



Co-funded
by the COSME programme
of the European Union



Project under GA number 101035935

Catalogue of EU SMEs Updated on 16/09/2022





INDEX PER TARGET SECTORS AND TARGET COUNTRIES

p	Company Name	Water	Energy	Domestic use	Industry	Agriculture	Health	Education	Local authorities	Tourism	Other(s)	Morocco	Senegal	Tunisia
1	2CA		✓		✓						✓	✓	✓	✓
2	ABN Engineering & Consulting		✓		✓	✓	✓					✓	✓	✓
3	ADASA	✓	✓		✓				✓					
4	Anatis	✓			✓	✓								
5	APB ENERGY	✓	✓	✓	✓	✓	✓		✓	✓			✓	
6	AQUASSAY	✓			✓				✓			✓	✓	✓
7	BEHQ SLU	✓		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
8	Benoo	✓	✓		✓	✓			✓				✓	✓
9	BGEO	✓							✓		✓	✓	✓	✓
10	Bluephage	✓			✓				✓					
11	CILE	✓		✓	✓	✓			✓	✓				
12	COESA Srl		✓	✓	✓	✓	✓	✓	✓	✓		✓		✓
13	Createch Solutions SL	✓			✓				✓			✓		
14	Defcon8	✓	✓	✓			✓	✓	✓	✓		✓		
15	Delpower		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
16	E4SMA Srl	✓	✓		✓				✓			✓		✓

1. Municipalities / Local authorities
2. Tourism, well-being and leisure





INDEX PER TARGET SECTORS AND TARGET COUNTRIES

p	Company Name	Water	Energy	Domestic use	Industry	Agriculture	Health	Education	Local authorities	Tourism	Other(s)	Morocco	Senegal	Tunisia
17	ECOBIOQUAL SRL	✓	✓		✓	✓			✓			✓		✓
18	Ecomacchine Srl	✓			✓				✓			✓		✓
19	ECO-SISTEMS WATERMAKERS SL	✓		✓	✓	✓			✓	✓	✓	✓		✓
20	ECOSUN Innovations	✓	✓		✓	✓	✓	✓	✓	✓		✓	✓	✓
21	ELIOSYS	✓	✓		✓				✓			✓	✓	✓
22	EnergTrade	✓	✓	✓	✓	✓						✓	✓	✓
23	Energy Pool Development		✓		✓				✓		✓			✓
24	ENERSOL	✓	✓	✓	✓	✓			✓				✓	
25	Eutectic System S.r.l.	✓	✓		✓				✓			✓		✓
26	EVOCELLS	✓	✓	✓	✓				✓			✓	✓	✓
27	EXTRIS srl	✓										✓		✓
28	FANDO	✓	✓		✓	✓	✓		✓			✓		
29	Ferplant srl		✓		✓		✓		✓			✓		✓
30	FTR	✓	✓		✓	✓			✓	✓		✓	✓	✓
31	G-HiTech Industries		✓	✓	✓	✓	✓	✓	✓				✓	
32	Greenfish	✓	✓		✓				✓			✓	✓	✓

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33	GreenPlug Engineering	✓	✓		✓				✓		✓	✓	✓	
34	GROUPE ER2I	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
35	HAL Service SpA	✓	✓	✓	✓	✓	✓	✓	✓					
36	HeliosLite		✓		✓	✓			✓		✓	✓	✓	✓
37	HYDRAO	✓	✓	✓	✓	✓			✓	✓		✓		✓
38	HYDROO	✓			✓	✓			✓			✓		✓
39	Hydroscan	✓	✓		✓				✓			✓		✓
40	Idroricerche S.r.l.	✓			✓				✓		✓	✓	✓	✓
41	IED Consult		✓						✓		✓	✓	✓	✓
42	INES		✓	✓	✓	✓		✓	✓			✓	✓	✓
43	INLOC ROBOTICS SL	✓			✓				✓				✓	
44	InovaYa	✓			✓		✓		✓				✓	
45	InSensus Project Srl	✓	✓		✓	✓			✓			✓	✓	✓
46	IRIDRA Srl	✓		✓	✓	✓			✓	✓		✓	✓	✓
47	Iris Srl	✓	✓	✓	✓	✓			✓			✓	✓	✓
48	Janson lawfirm	✓	✓		✓				✓			✓	✓	✓

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49	JLA Hydro		✓	✓	✓			✓	✓					
50	John Cockerill Group		✓		✓				✓				✓	
51	KEIKEN Engineering	✓	✓		✓				✓	✓		✓		✓
52	KING DIAMOND SLU	✓			✓	✓			✓			✓	✓	✓
53	Lagazel		✓	✓				✓	✓	✓			✓	
54	LuciSun		✓	✓	✓				✓			✓	✓	✓
55	Lumila		✓	✓	✓			✓	✓				✓	
56	MbeguSolar AB	✓	✓	✓	✓	✓	✓	✓	✓			✓		
57	MEC Srl		✓		✓	✓			✓			✓		
58	Mercato Circolare	✓	✓	✓	✓				✓				✓	
59	MITIS SA		✓		✓	✓			✓			✓	✓	✓
60	NEPSEN		✓		✓	✓			✓		✓	✓	✓	✓
61	Odit-e		✓		✓				✓				✓	
62														
63	Paneco Ambiente Srl	✓		✓	✓	✓			✓			✓	✓	✓
64	POD ONE - DHBC	✓	✓		✓	✓	✓	✓	✓			✓	✓	✓

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65	Regis Motors	✓	✓		✓	✓	✓		✓	✓		✓	✓	✓
66	Renolit Ibérica SA	✓	✓		✓	✓			✓			✓	✓	✓
67	Reyes Construccions	✓	✓		✓	✓	✓		✓			✓	✓	✓
68	Rutten New Energy System		✓		✓	✓	✓	✓	✓	✓			✓	
69	Sasso Srl	✓	✓		✓	✓	✓		✓	✓	✓	✓	✓	✓
70	Save Innovations	✓	✓		✓	✓			✓			✓	✓	✓
71	Sea Marconi Technologies		✓		✓				✓					
72	Seacoop STP	✓	✓			✓		✓	✓			✓	✓	
73	SEED-Energy		✓		✓				✓		✓	✓		✓
74	SETEC HYDRATEC	✓	✓		✓				✓			✓	✓	✓
75	SHER Ingénieurs-Conseils S.A.	✓	✓		✓	✓					✓		✓	
76	SIGMADAF CLARIFIERS SL	✓	✓		✓							✓		✓
77	Solar Cloth		✓		✓	✓			✓	✓	✓	✓	✓	✓
78	Solarly Srl		✓		✓	✓	✓	✓	✓	✓				
79	Sotrad Water	✓	✓		✓	✓	✓		✓				✓	
80	SPIN	✓	✓		✓							✓		✓

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81	SuperGrid Institute		✓		✓							✓		✓
82	SURTEC	✓	✓		✓	✓	✓	✓	✓				✓	
83	Terravolt		✓		✓	✓			✓				✓	
84	Trivelli Energia srl	✓	✓	✓	✓				✓			✓	✓	
85	Tucai	✓		✓		✓	✓		✓			✓	✓	✓
86	Unex aparellaje electrico	✓	✓		✓				✓			✓		✓
87	Waterologies SL	✓	✓	✓	✓	✓			✓	✓		✓	✓	✓
88	Watura	✓		✓	✓				✓			✓	✓	✓
89	Wave for Energy Srl	✓	✓		✓				✓	✓	✓	✓	✓	✓
90	WE&B	✓	✓		✓	✓	✓	✓	✓	✓		✓		✓
91	WeCo Toilets	✓	✓	✓	✓				✓	✓		✓	✓	✓
92	Well Pumps	✓	✓	✓	✓	✓			✓				✓	

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2CA
Other
 Arlanc • France
 www.2ca.fr

Skills, services, products, technologies

2CA (Concept Composites Auvergne) is specialised in the design and manufacture of assemblies and components in composite materials. It is part of the REXIAA Group.

Maximum production capacity: 25 MW/year (7/7/24h)
 Manufacture of ultra light PV modules, THicknesses from 1mm, dimensions up to 2m x 2m, compatible with all cell technologies

OPERASOL products:

- OPERASOL STDV14 60BM 285: 60 cells -285 W - 14 mm thick - weight 6.3 kg
- OPERASOL STDV14 28BM 130: 28 cells -130 W - 14 mm thick - weight 3.25 kg



Design and manufacture of composite solar modules under the OPERASOL brand
 Design and manufacture of customised composite or glass solar modules
 Development of systems for the production, storage and distribution of photovoltaic energy.



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- ✓ Manufacturing & Production
- ✓ Funding
- ✓ Distribution & Installation
- ✓ Marketing
- Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness



- Preservation of Water Resources
- Water Catchment
- Water Treatment
- Water Quality Control
- Water Adduction/Transport
- Water Distribution
- Water Storage
- Wastewater Collection
- Wastewater Treatment
- Water Desalination
- Hardware - Smart metering
- Software - Digitalisation - Data
- Other(s)



- ✓ Solar - PV
- Solar - Thermal
- CSP (Concentrated Solar Power)
- Off-shore Wind
- On-shore Wind
- Hydropower
- Combined Heat & Power
- Geothermal
- Biomass - Biofuel
- Micro-grids
- Hydrogen
- Energy Storage
- Energy Efficiency
- Hardware - Smart Metering
- Software - Digitalisation - Data
- Other(s)



PROJECTS IN AFRICA:



ABN Engineering & Consulting
 Private - SME (less than 250 staff)
 Roche-La-Molière • France
 www.abnec.com

Skills, services, products, technologies

ABN Engineering & Consulting is specialised in industrial freezing, clean rooms and energy saving. It offers solutions to provide cold room and tunnel, clean rooms with natural fluids solutions and energy saving. The company also has an offgrid cold room for farmers without easy access to energy.

Company's expertise goes from engineering to maintenance, including conception, installation, training, etc.



ABN Engineering & Consulting provides industrial freezing and clean room solutions that are economical in energy consumption. It is specialised in improving energy consumption of existing installations. The solar cooler enables cold storage in areas without easy access to a reliable energy power.



- R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- ✓ Manufacturing & Production
- ✓ Distribution & Installation
- Marketing
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PROJECTS IN AFRICA:
 Morocco, Tunisia, Algeria, Lybia, Ivory Coast, Senegal, Togo, Cameroon



ADASA

Private - Large company (more than 250 staff)
El Prat de Llobregat • Spain
www.adasasistemas.com



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- ✓ Funding
- ✓ Manufacturing & Production
- ✓ Distribution & Installation
- ✓ Marketing
- ✓ Operations & Maintenance
- ✓ Dismantling & Recycling
- ✓ Training & Certification
- ✓ Education
- ✓ Promotion & Awareness

Skills, services, products, technologies

ADASA is an engineering company.

6 CLEAN WATER AND SANITATION



Control systems for water treatment and distribution, and water quality and quantity monitoring

7 AFFORDABLE AND CLEAN ENERGY



Power consumption optimization in WWTP and distribution network



- ✓ Preservation of Water Resources
- ✓ Water Catchment
- ✓ Water Treatment
- ✓ Water Quality Control
- ✓ Water Adduction/Transport
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- Hydrogen
- Energy Storage
- ✓ Energy Efficiency
- ✓ Hardware - Smart Metering
- ✓ Software - Digitalisation - Data
- ✓ Other(s)



PROJECTS IN AFRICA: Morocco



Anatis

Private - SME (less than 250 staff)
Liège • Belgium
www.anatis.be

Skills, services, products, technologies

Anatis is a Belgian company who has developed FLUID-ANYOLE®. This process is able to treat industrial organic effluents by anaerobic digestion (loads between 500 and 2500 kg of biodegradable COD per day) with a high purification efficiency (>80%).

Anatis was founded to specifically develop the treatment of liquid agricultural effluents such as slurry. It has developed the ANYOLE® process, which is based on the implementation of a hydraulic system with differentiated flows to stimulate the activity of different microbial complexes. In line with the industrial market, Anatis then extended and adapted its process to a simple, robust and modular design, the FLUID-ANYOLE® process.

The FLUID-ANYOLE® process is able to treat industrial organic effluents by anaerobic digestion (loads between 500 and 2500 kg of biodegradable COD per day) and leads to numerous advantages such as: compactness (> 10 kg COD/m³ reactor /day); high purification efficiency (>80%); increased biogas quantity and quality; robustness and simplicity of operation; none invasive plant resulting in a small land footprint.



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- ✓ Manufacturing & Production
- ✓ Distribution & Installation
- ✓ Marketing

- Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness



- Preservation of Water Resources
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- Software - Digitalisation - Data
- Other(s)

PROJECTS IN AFRICA:



APB ENERGY

Private - SME (less than 250 staff)
Charvonnex • France
www.apb-energy.fr



R&D – R&I

- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- ✓ Distribution & Installation
- Marketing

Operations & Maintenance

- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness

Skills, services, products, technologies

APB Energy provides solar offgrid systems and solar pumping systems since 2007. Systems are sized and adapted to each project according to needs. Technical support and training can also be provided. The company is active in Africa with several hundred systems commissioned and operating.

6 CLEAN WATER AND SANITATION



Solar pumping, system sizing, solar pumping project management.

7 AFFORDABLE AND CLEAN ENERGY



Rural electrification, offgrid solar system design and supply, project management.



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- Biomass - Biofuel
- ✓ Micro-grids
- Hydrogen
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- Other(s)



PROJECTS IN AFRICA:

Benin, Burkina Faso, Ivory Coast, DR Congo, Mali, Niger, Togo, Mauritania, Madagascar, Comoros



AQUASSAY

Private - SME (less than 250 staff)
 Le Palais-sur-Vienne • France
www.aquassay.com



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- Distribution & Installation
- Marketing
- Operations & Maintenance
- Dismantling & Recycling
- ✓ Training & Certification
- Education
- Promotion & Awareness

Skills, services, products, technologies

Expert Cabinet in Hydric Efficiency for industry.

Hydric Efficiency Diagnostics, Water Performance
 Management Tool (e-Water Efficiency).

6 CLEAN WATER AND SANITATION



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7 AFFORDABLE AND CLEAN ENERGY



PROJECTS IN AFRICA:
 Algeria, Tunisia



BEHQ SLU

Private - SME (less than 250 staff)
 Les Franqueses Del Vallès • Spain
www.behqsl.com



- ✓ R&D – R&I
- Studies - Design - Consultancy
- Funding
- ✓ Manufacturing & Production
- ✓ Distribution & Installation
- Marketing
- Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness

Skills, services, products, technologies

BEHQ is a manufacturer of chemical for recreational water treatment and others. They have expertise in water analysis, chemical, physical and microbiological.

Specialists in field analysis.

Chemical solutions for saving water and energy.



Chemical solutions for saving water and energy.



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PROJECTS IN AFRICA: Tunisia



Benoo

Private - SME (less than 250 staff)
Bordeaux • France
benoo.africa



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- ✓ Funding
- ✓ Manufacturing & Production
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- Operations & Maintenance
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Skills, services, products, technologies

Benoo is a company specialised in off-grid solar projects. Its mission: Empower African businesses in the context of climate change.

Benoo offers a standardized approach to address productive use projects based on 3 digital tools :

- Insight : Automated analysis of final customers needs
- Foresight : Predictive analysis of energy consumption
- Opps : Productive use equipment lease and management



Benoo develops a project in Tunisia where water and energy production are combined to create a business place for local entrepreneurs. They called the concept "connected oasis".



In the energy field it offers digital tools to accelerate the project development, the technical sizing and the management of productive units based on off-grid energy and efficient equipments.



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- Other(s)



PROJECTS IN AFRICA:
Ghana, Togo, Burkina Faso, Senegal, Tunisia



BGEO

Private - SME (less than 250 staff)
 Granollers • Spain
 www.bgeo.es



R&D – R&I

- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- Distribution & Installation
- Marketing

Operations & Maintenance

- Dismantling & Recycling
- ✓ Training & Certification
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Skills, services, products, technologies

BGEO is a knowledge-driven company. They are core developers of Giswater software as well as the co-founders of the Giswater Association (www.giswater.org). Using Open Source technology among others, the company's vision is to help water utilities share knowledge to improve their efficiency and resilience.

6 CLEAN WATER AND SANITATION



Experts and core developers of Giswater software (www.giswater.org). Giswater is the world's leading open source GIS & WATER MODELING TOOLS solution for water utilities. More than 8 million people are served by utilities using Giswater in America, Africa and Europe. The best value for money solution to help water utilities to improve their efficiency and resilience, with the added incentive that it provides a true knowledge transfer for end users.

7 AFFORDABLE AND CLEAN ENERGY



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**PROJECTS IN AFRICA:
 South Africa**



Bluephage

Private - SME (less than 250 staff)
 El Prat de Llobregat • Spain
www.bluephage.com



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- ✓ Distribution & Installation
- Marketing
- Operations & Maintenance
- Dismantling & Recycling
- ✓ Training & Certification
- ✓ Education
- ✓ Promotion & Awareness

Skills, services, products, technologies

Bluephage is a company that commercialises kits for analysis of viral indicators in water.

Bluephage controls microbiological quality of water.

6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



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- Water Desalination
- Hardware - Smart metering
- Software - Digitalisation - Data
- Other(s)



- Solar - PV
- Solar - Thermal
- CSP (Concentrated Solar Power)
- Off-shore Wind
- On-shore Wind
- Hydropower
- Combined Heat & Power
- Geothermal
- Biomass - Biofuel
- Micro-grids
- Hydrogen
- Energy Storage
- Energy Efficiency
- Hardware - Smart Metering
- Software - Digitalisation - Data
- Other(s)



PROJECTS IN AFRICA: South Africa



CILE

Public utility / entreprise
Liège • Belgium
www.cile.be

Skills, services, products, technologies

CILE (Compagnie Intercommunale Liégeoise des Eaux) is a public company, an association of 24 municipalities, including the City of Liège. CILE manages, protects, and operates the main underground water resources of the Liège area in order to distribute over 28 million cubic meters of drinking water per year.

CILE is a member of the World Water Council and the International Water and Sanitation Association for Sustainable Water Security (W-Smart), recognised by UNESCO.

6 CLEAN WATER AND SANITATION



Water production and distribution by network

Protection of the groundwater catchments, Supply of drinking water, Processing and analysis to produce drinking water, Adduction and distribution of water through pipelines, Management, governance, pricing, mapping, modelling, Enterprise Resource Planning (ERP), IT, Crisis Management, Smart metering, ISO 9001-2015 "Quality Management System", 17025 - "General requirements for the competence of testing and calibration laboratories", ISO 27001 certification - "Information Security Management" – due to its NIS obligations and ISO 22000 certified - "Food Safety Management System" – for the 10-litre bottles offered in emergency situations

7 AFFORDABLE AND CLEAN ENERGY



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- ✓ Funding
- ✓ Manufacturing & Production
- ✓ Distribution & Installation
- ✓ Marketing
- ✓ Operations & Maintenance
- ✓ Dismantling & Recycling
- ✓ Training & Certification
- ✓ Education
- ✓ Promotion & Awareness



- ✓ Preservation of Water Resources
- ✓ Water Catchment
- ✓ Water Treatment
- ✓ Water Quality Control
- ✓ Water Adduction/Transport
- ✓ Water Distribution
- ✓ Water Storage
- Wastewater Collection
- Wastewater Treatment
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- Other(s)



PROJECTS IN AFRICA:



COESA Srl

Private - SME (less than 250 staff)
 Torino • Italy
<http://coesaenergy.it/>

Skills, services, products, technologies

COESA srl is an energy efficiency company, ESCo certified. It simplify the energy transition, supporting its customers (public administrations, residentials and companies) with energy efficiency projects. It works as general contractor, from design to the final implementation.

COESA believes that the green transition have to be affordable to everyone.

Nowaday, COESA manages roughly 150 construction sites simultaneously, with track records of several thousand of clean energy projects. It designs, financial supports and provides energy efficiency technologies, such as

- photovoltaic panels + inverter
- power walls + batteries + chargers
- heat pumps
- window fixtures
- thermal insulation
- building automation (class A and B)

COESA works with more than 100 companies focused on energy technologies, providing turnkey project services. Thanks to a partnership with start-up and universities, it has developed its own Building Automation system based on AI, which is able to manage and link the existing thermal and energy systems improving the efficiency by 15-20%.



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- ✓ Distribution & Installation
- Marketing
- ✓ Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness



- Preservation of Water Resources
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- Other(s)

7 AFFORDABLE AND CLEAN ENERGY



PROJECTS IN AFRICA:



Creattech Solutions SL

Private - SME (less than 250 staff)

Vic • Spain

www.creattech360.com



R&D – R&I

Studies - Design - Consultancy

Funding

✓ Manufacturing & Production

✓ Distribution & Installation

Marketing

Operations & Maintenance

Dismantling & Recycling

Training & Certification

Education

Promotion & Awareness

Skills, services, products, technologies

Creattech360° built an amazing team combining both process and IT engineers, having deployed its Intelligent Control Platform in more than 150 sites in more than 20 countries. Creattech's solution helps the wastewater treatment operators to optimise the plants and reduce the current O&M costs.

6 CLEAN WATER AND SANITATION



Creattech has developed its own Intelligent Control Platform to provide its customers a holistic solution to optimise the WWTPs Control. Their solution improves the stability and reliability of the processes, increases process performance, and reduces significantly O&M costs, such as aeration power and chemical dosing. Over and beyond the Platform customisable Process Intelligence Tools to support strategic decisions as we as day-to-day operations.

7 AFFORDABLE AND CLEAN ENERGY



Preservation of Water Resources

Water Catchment

Water Treatment

Water Quality Control

Water Adduction/Transport

Water Distribution

Water Storage

Wastewater Collection

✓ Wastewater Treatment

Water Desalination

Hardware - Smart metering

✓ Software - Digitalisation - Data

Other(s)



Solar - PV

Solar - Thermal

CSP (Concentrated Solar Power)

Off-shore Wind

On-shore Wind

Hydropower

Combined Heat & Power

Geothermal

Biomass - Biofuel

Micro-grids

Hydrogen

Energy Storage

Energy Efficiency

Hardware - Smart Metering

Software - Digitalisation - Data

Other(s)



PROJECTS IN AFRICA:



Defcon8

Private - SME (less than 250 staff)
Barcelona • Spain
www.defcon8.com

Skills, services, products, technologies

Defcon8 is a water technology company committed to solving critical water challenges with technological innovation. We are creating a more sustainable world by enabling our customers to optimise water usage.

Smart Cities need smart water. According to UN, water demand will outstrip its availability by 40% in 2030. Apart from aerators, flow limiters, eco taps, etc. which are necessary there is around an 18% unleashed potential savings in water usage by changing our behavior.

6 CLEAN WATER AND SANITATION



Defcon8 foster savings in buildings by raising awareness. It provides real time feedbacks and gamification to users when and where water is being used. 5-18% savings are achieved through behaviour changes in our daily habits.

7 AFFORDABLE AND CLEAN ENERGY



Defcon8's smart water flow monitor has been installed in hotels, offices, hospitals, households. About half of the water saved is warm, hence the energy & CO2 savings associated. A typical household of 2p could save 9m3 of water, 240kwh and 0,11T CO2 / yr.



R&D – R&I

Studies - Design - Consultancy

Funding

- ✓ Manufacturing & Production
- Distribution & Installation
- Marketing

Operations & Maintenance

Dismantling & Recycling

Training & Certification

- ✓ Education
- ✓ Promotion & Awareness



- ✓ Preservation of Water Resources
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- ✓ Energy Efficiency
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- Other(s)



PROJECTS IN AFRICA:



Delpower
 Private - SME (less than 250 staff)
 Thimister-Clermont • Belgium
 delpower.be

Skills, services, products, technologies

Delpower offers software development for energy audit and energy efficiency advisory.

Easee allows to create energy balance and simulate investments for energy efficiency and renewables. It helps companies build multisite energy management, and obtain a better visibility on their action plan and follow up of the situation. easee could help african countries acquire the expertise related to the construction of energy reduction strategies and plan the energy transition.



Easee.energy is an energy and CO2 audit software which helps companies build efficient and optimised action plan to reduce CO2 emissions

- R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- ✓ Distribution & Installation
- Marketing
- Operations & Maintenance
- Dismantling & Recycling
- ✓ Training & Certification
- Education
- Promotion & Awareness



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- ✓ Software - Digitalisation - Data
- Other(s)

PROJECTS IN AFRICA:



E4SMA Srl
 Private - SME (less than 250 staff)
 Torino • Italy
 www.e4sma.com



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- Distribution & Installation
- Marketing
- Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- ✓ Education
- ✓ Promotion & Awareness

Skills, services, products, technologies

E4SMA provides services in the area of energy planning, policy, environment, and develops energy, environmental and economic models. E4SMA delivers analyses to support energy decision makers on climate policies, energy security, technology perspectives, impacts of climate change on the energy system, etc.



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- Software - Digitalisation - Data
- ✓ Other(s)

Scenario based integrated analysis of energy and water



Scenario based integrated analysis of energy technology assessment



PROJECTS IN AFRICA:
 Ethiopia, Morocco



ECOBIOQUAL Srl
Private - SME (less than 250 staff)
 Torino • Italy
www.ecobioqual.it



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- Distribution & Installation
- Marketing
- Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness

Skills, services, products, technologies

ecoBIOQUAL is a consultant society working in the field of ecotoxicology, mutagenesis and applied biology, referring to environment, human health and quality of both products and industrial activities. It's a highly specialised society co-works with scientific research centres and University.

ecoBIOQUAL is a highly specialised society that propose a new approach relating to environment quality and occupational exposure, using biological assays (ecotoxicity and mutagenicity assays) developed in a laboratory following standards methods both national, and international (OCSE, ASTM, USEPA, Environment Canada).The approach proposed integrate biological science with other environmental sciences, providing a wide range of bioassays on microorganisms, animal organisms and plants to evaluate human activities impact on freshwater and seawater quality, groundwaters, drinking waters, wastewaters. Biological test are also used for the evaluation of wastewater treatment plants efficiency.

ecoBIOQUAL offers its professional know-how in the renewable energy sector such as the production of energy from the anaerobic digestion of urban wastes and wastes derived from different processes (sludges, animal manure, wastes from food industry).



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- Other(s)

6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



PROJECTS IN AFRICA:



Ecomacchine Srl

Private - SME (less than 250 staff)
 Grugliasco • Italy
 www.ecomacchine.it



- R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- ✓ Manufacturing & Production
- Distribution & Installation
- Marketing
- ✓ Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness

Skills, services, products, technologies

Ecomacchine has been the first manufacturer in Italy to design and make the whole range of machines employed for waste or primary water treatment plants. It works now as a supplier of both public water treatment and private companies, including some petrochemical World leading companies.

Ecomacchine works not only in design and manufacturing but also in supporting its clients in equipment sizing and after-sales services.

6 CLEAN WATER AND SANITATION



Design, construction and sales of water and wastewater treatment equipment.

7 AFFORDABLE AND CLEAN ENERGY



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7 AFFORDABLE AND CLEAN ENERGY



**PROJECTS IN AFRICA:
 Tunisia, Algeria, Egypt**



ECO-SYSTEMS WATERMAKERS

Private - SME (less than 250 staff)

Sabadell • Spain

www.eco-systems.com

Skills, services, products, technologies

Eco-Systems Watermakers SL designs, develops and manufactures watermakers known for their energy-saving seawater desalination systems.

The company's innovative design, development and production centre in Sabadell (Barcelona) collaborates regularly with the Polytechnic University of Catalonia. Eco-Systems Watermakers opens up its ground-breaking analysis and testing laboratories to the University, as well as contributing to the know-how of its experts in fluid mechanics.

Eco-systems Watermakers is advanced technology and quality Service guaranteed.

The EFFICIENT T-2000 and 4000 watermakers feature the most advanced technology on the market and can make any sort of saltwater drinkable: from that extracted directly from the sea to that from saline phreatic layers.

They are fully autonomous devices, portable or fixed depending on the model, that can produce 2,000 or 4,000 litres of drinking water per hour; perfect for small business, industrial, agricultural or domestic use.

The main feature of the EFFICIENT series is its patented energy-recovery system, which considerably reduces the power needed, using up to 80% less than the rest of the devices available on the market.

6 CLEAN WATER AND SANITATION



R&D – R&I

Studies - Design - Consultancy

Funding

✓ Manufacturing & Production

Distribution & Installation

Marketing

Operations & Maintenance

Dismantling & Recycling

Training & Certification

Education

Promotion & Awareness



- Preservation of Water Resources
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- Other(s)



PROJECTS IN AFRICA: South Africa



ECOSUN Innovations

Private - SME (less than 250 staff)
Hombourg • France
www.ecosuninnovations.com



R&D – R&I

Studies - Design - Consultancy

Funding

- ✓ Manufacturing & Production
- Distribution & Installation
- Marketing

Operations & Maintenance

Dismantling & Recycling

Training & Certification

Education

Promotion & Awareness

Skills, services, products, technologies

ECOSUN vocation is to design, build and commercialize innovative and mobile Plug and Play solutions. Its solar power plants allow their customers to install green energy into off-grid areas. Thanks to renewable solar energy, this opportunity to replace genset contributes to save lot of CO2 emissions.

The ECOSUN Innovations range combines performance, economy, protection of environment by making available a clean and secure source of energy, sustainable over time and suitable for all types of sites. The mobile solutions bring a new form of green energy at an affordable and reliable price anywhere in the world. The solar energy generated doesn't pollute, and replaces the fossile energy at a price 5 to 10 times less expensive compared to a kWh fossile. The negative impacts on the environment are significantly reduced. As opposed to fossile energy, their generators limit the emissions of CO2.



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ECOSUN Innovations provides containerized solar powered solution for seawater and brackish water desalination, designed for a quick installation and commissioning in a humanitarian, military or natural disaster relief aid context.



ECOSUN is manufacturing several ranges of patented solar generators, particularly innovative, able to cover the needs of mobility, self-consumption and electrification of remote off-grid sites.



PROJECTS IN AFRICA:

Mozambique, Gabon, Central Africa, Senegal, Guinea, Mali, Cameroon



ELIOSYS

ELIOSYS

Private - SME (less than 250 staff)
Liège • Belgium
www.eliosys.eu



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- Distribution & Installation
- Marketing
- ✓ Operations & Maintenance
- Dismantling & Recycling
- ✓ Training & Certification
- ✓ Education
- ✓ Promotion & Awareness

Skills, services, products, technologies

ELIOSYS, with a ISO 17025 accredited testing laboratory and an engineering services, is a SME specialised in renewable energy technology and system.

Company offers support for all renewable energy projects from user requirements definition to interpretation of the results or recommendations.

Provides expertise in energy efficiency and renewable energy-based systems to offer project leaders (architects, companies or public authorities) a complete service.

6 CLEAN WATER AND SANITATION



ELIOSYS offers technical support with their experts in photovoltaics, solar thermal, hybrid (PVT), heat pumps and micro wind turbines. These renewable technologies can generate power for the cleaning water systems.

7 AFFORDABLE AND CLEAN ENERGY



They also offer technical acceptance during or after the technical works. Eliosys regularly carries out SAT (site acceptance test) and FAT (factory acceptance test) for renewable energy projects. The engineering services can design and follow energy solutions and the ELIOSYS lab can validate all these solutions to any climat.



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- ✓ Other(s)



PROJECTS IN AFRICA: Senegal, Egypt, Tunisia, Morocco



EnerTrade

Private - SME (less than 250 staff)
 Strambino • Italy
 www.enertrade.com



R&D – R&I

Studies - Design - Consultancy

Funding

Manufacturing & Production

✓ Distribution & Installation

Marketing

Operations & Maintenance

Dismantling & Recycling

Training & Certification

Education

Promotion & Awareness

Skills, services, products, technologies

EnerTrade is an Italian company with over fifty years of experience in the energy sector.

EnerTrade is specialised in B2B trading of products to produce energy: solar panels, hydro and wind turbines, generators, and batteries.

6 CLEAN WATER AND SANITATION



EnerTrade has been producing hydroelectricity for 3 generations and it sells hydroelectric turbines all over the world.

7 AFFORDABLE AND CLEAN ENERGY



B2B trading of products to produce energy: solar panels, hydro and wind turbines, generators, and batteries.



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- Other(s)



PROJECTS IN AFRICA: Kenya, Ivory Coast



Energy Pool Development
 Private - SME (less than 250 staff)
 Le Bourget-du-Lac • France
 www.energy-pool.eu



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- Distribution & Installation
- Marketing
- Operations & Maintenance
- Dismantling & Recycling
- ✓ Training & Certification
- Education
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Skills, services, products, technologies

At the centre of the smart grid revolution, Energy Pool manages and optimises the energy consumption of complex systems (industrial sites, distributed generation, renewable energy, storage asset, etc.) for a smarter and more sustainable energy management.



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- Other(s)



HV Network Flexibility monetisation and operations, Decarbonisation of industrial processes, Energy Management System - Software.



PROJECTS IN AFRICA:



ENERSOL

Private - SME (less than 250 staff)
Battice • Belgium
www.enersol.be

Skills, services, products, technologies

Enersol is active in solar, windturbines, storage solutions and charging solutions as well as HVAC for B2B and B2C applications.

From a few kWp to several MWp stations, fully scalable, fully customizable. Integrators/EPC who cover the design, construction and maintenance of all their projects.

6 CLEAN WATER AND SANITATION



Water pumps coupled with solar/windturbines and storage solutions.

7 AFFORDABLE AND CLEAN ENERGY



Services and products in Windturbines, solar stations, storage and charging stations.



- R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- ✓ Distribution & Installation
- ✓ Marketing
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PROJECTS IN AFRICA:

Burkina Faso, Mozambique, DR Congo, Senegal, Mali, Nigeria, Sudan



Eutectic System S.r.l.
 Private - SME (less than 250 staff)
 Dovadola • Italy
 www.esfrigo.it



- ✓ R&D – R&I
- Studies - Design - Consultancy
- Funding
- ✓ Manufacturing & Production
- Distribution & Installation
- Marketing
- Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness

Skills, services, products, technologies

Eutectic System is an Italian company specialised in cool and frozen solutions using eutectic technology for the storage and distribution of perishable goods. Its technologies and services are easy to use: they entail no fuel consumption and allow flexibility in order to save energy.

6 CLEAN WATER AND SANITATION



Water production through condensation of the air humidity and ECA technology for water sanitisation (Acqua di rugiada station).

7 AFFORDABLE AND CLEAN ENERGY



Production of condensing units and eutectic devices with P.C.M. Phase Change Materials and storage of latent energy for the conservation of perishable goods thermal conditioning of buildings.



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PROJECTS IN AFRICA: Algeria



EVOCELLS

Private - SME (less than 250 staff)
Baillonville • Belgium
www.evocells.be

Skills, services, products, technologies

Evocells is the largest Belgian producer of solar photovoltaic panels.

The company products are quality driven by a cautious selection of component and its own manufacturing recipe. 100% of the modules are double tested by flashing and electroluminescence.

On top of the manufacturing, EVOCELLS can provide a service of engineering, installation and maintenance of solar plant.

The complete package from the manufacturer to the installation gives to the customer the best and longest warranties on the market.



Understanding of the link between water distribution and energy production.



Photovoltaic energy, Photovoltaic panel production with high Belgian Quality, Photovoltaic expertise, Battery storage, Energy production and engineering according to customer needs.



R&D – R&I

- ✓ Studies - Design - Consultancy
- Funding
- ✓ Manufacturing & Production
- ✓ Distribution & Installation
- Marketing

Operations & Maintenance

- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness



- Preservation of Water Resources
- Water Catchment
- Water Treatment
- Water Quality Control
- Water Adduction/Transport
- Water Distribution
- Water Storage
- Wastewater Collection
- Wastewater Treatment
- Water Desalination
- Hardware - Smart metering
- Software - Digitalisation - Data
- ✓ Other(s)



- ✓ Solar - PV
- Solar - Thermal
- CSP (Concentrated Solar Power)
- Off-shore Wind
- On-shore Wind
- Hydropower
- Combined Heat & Power
- Geothermal
- Biomass - Biofuel
- Micro-grids
- Hydrogen
- ✓ Energy Storage
- Energy Efficiency
- Hardware - Smart Metering
- Software - Digitalisation - Data
- Other(s)



PROJECTS IN AFRICA: Morocco, Madagascar



EXTRIS srl

Private - SME (less than 250 staff)
Colverde • Italy
www.extris.com



R&D – R&I

Studies - Design - Consultancy

Funding

- ✓ Manufacturing & Production
- Distribution & Installation
- Marketing

Operations & Maintenance

Dismantling & Recycling

Training & Certification

Education

Promotion & Awareness

Skills, services, products, technologies

EXTRIS is an Italian manufacturer of technical fabrics used for the production of screen printing stretched frames or to produce high precision and fine micrometer filters. The company has a weaving department with highly sophisticated looms and a fabrication department where high-tech machines are used. Application areas of EXTRIS filters range from water and food filters, to automotive sector filters as well as filtration for the chemical industry. EXTRIS is also capable of producing non-standard fabrics to help solve specific filtration problems.



Extris supplies filters for irrigation or for drinking water.



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- Hardware - Smart metering
- Software - Digitalisation - Data
- Other(s)



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- Energy Efficiency
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- Software - Digitalisation - Data
- Other(s)



PROJECTS IN AFRICA: Tunisia, Morocco, Egypt



FANDO

Private - SME (less than 250 staff)
 Bruxelles • Belgium
www.fando.be

Skills, services, products, technologies

Follow and Optimize (FANDO) is a start-up active in energy optimisation for companies. It gives supports to customers from the study to the implementation of energy metering solutions including computer monitoring with its software.

FANDO offers multi-energy metering solutions as well as energy monitoring software. It supports customers in an energy optimisation process of all installations

6 CLEAN WATER AND SANITATION



The company installs its dataloggers to recover and monitor the electrical consumption of wastewater treatment plants. They also make programmations for water treatment.

7 AFFORDABLE AND CLEAN ENERGY



They develop their own datalogger and software. With 20 years of experience in multi-energy energy monitoring, they support their customers in an approach to optimise their consumption.



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- ✓ Distribution & Installation
- Marketing
- ✓ Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness



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- ✓ Software - Digitalisation - Data
- Other(s)



PROJECTS IN AFRICA: RDC, Morocco, Kenya



Ferplant srl

Private - SME (less than 250 staff)

Torino • Italy

www.ferplant.it



R&D – R&I

Studies - Design - Consultancy

Funding

- ✓ Manufacturing & Production
- Distribution & Installation
- Marketing

✓ Operations & Maintenance

Dismantling & Recycling

Training & Certification

Education

Promotion & Awareness

Skills, services, products, technologies

Ferplant is specialised in the design and construction of plants for the production of energy from renewable sources such as the organic fraction of solid urban waste.



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- ✓ Energy Efficiency
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- Other(s)



Design and construction of plants for the production of energy from renewable and similar sources such as the organic fraction of solid urban waste.



PROJECTS IN AFRICA: Morocco



FTR

Private - SME (less than 250 staff)
 Sant Cugat Del Vallès • Spain
 ftreuse.com | elvisindywater.com

Skills, services, products, technologies

The FTR WASTEWATER RECYCLING AND REUSE SPECIALISTS' team has over 20 years of experience in municipal and industrial wastewater treatment, water treatment, reuse and process water. They participated in the design, construction and operation of plants in its various applications.

Focused on the technology and supply of membranes, engineering and ultrafiltration systems for application in plants with MBR technology, tertiary and polishing treatments, purification and reuse of sanitary, urban and industrial wastewater.

FTR has designed together with its partner MITSUBISHI a standardised range of containerized MBR (membrane bioreactor) plants, conceived as a complete solution for the treatment of sanitary and assimilated wastewater in hotel complexes, shopping centers, urban developments or mining camps among others.

In addition, it accompanies its clients towards digitalisation of water treatment process, through the capture with IoT, Big Data management and its transformation into Smart Data.

Their product ELVIS INDY WATER can apply to the energy sector. It is a technology platform that aims to enable industrial processes to make the transition to industry 4.0 by capturing data via IoT, managing big data and transforming it into smart data.

For further info on this product: elvisindywater.com

6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



R&D – R&I

Studies - Design - Consultancy

Funding

✓ Manufacturing & Production

✓ Distribution & Installation

Marketing

✓ Operations & Maintenance

Dismantling & Recycling

Training & Certification

Education

Promotion & Awareness



- ✓ Preservation of Water Resources
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- Other(s)



PROJECTS IN AFRICA: Namibia



G-HiTech Industries

Private - SME (less than 250 staff)
Tertre • Belgium
www.g-hitech.com



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- ✓ Funding
- ✓ Manufacturing & Production
- ✓ Distribution & Installation
- ✓ Marketing
- ✓ Operations & Maintenance
- ✓ Dismantling & Recycling
- ✓ Training & Certification
- ✓ Education
- ✓ Promotion & Awareness

Skills, services, products, technologies

G-Hitech Industries has developed technologies and equipment that can efficiently harness solar energy. G-HiTech's solutions allow electrical energy cost reduction in intertropical region, mainly through solar panel and battery sharing.

G-HiTech has designed a global energy supply system, G-ESS; a self-sufficient photovoltaic electrical energy network that can be deployed anywhere in the world thanks to a global management system using telecommunication and geolocalisation satellite networks. The centerpiece of this G-ESS system is the Smart Energy Box (G-SEB) which includes a solar battery charger, a DC/AC inverter, a BMS and a high energy density battery. Some stand-alone DC/AC inverters (SDI) can be connected to the G-SEB battery to share power and costs with neighbors. The result is a node of the G-ESS (Global Energy Supply System) grid, which can be connected to another node in order to share batteries and thus, step by step, a village, a city or an entire region is electrified. This G-ESS network, which does not require a "power plant", or high or medium voltage transmission cables, is optimised in terms of cost, performance and installation time. It provides access to uninterrupted electricity at a power level that allows income-generating activities to be undertaken.

G-HiTech takes care of the Design, Manufacture and Installation and offers services in Maintenance, Operation and Training.



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- Other(s)



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PROJECTS IN AFRICA: Malawi



GREENFISH

Greenfish

Private - Large company (more than 250 staff)

Bruxelles • Belgium

<https://www.greenfish.be/>

Skills, services, products, technologies

Greenfish has developed a 360° approach to accelerate your sustainable transformation and reach climate neutrality. It supports its customers in defining sustainability ambitions, assessing footprint and engineering innovative solutions to make products and services competitive and sustainable.

Consulting services



Consulting services

- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- ✓ Distribution & Installation
- Marketing
- ✓ Operations & Maintenance
- Dismantling & Recycling
- ✓ Training & Certification
- ✓ Education
- ✓ Promotion & Awareness



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PROJECTS IN AFRICA:



R&D – R&I

- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- Distribution & Installation
- Marketing

Operations & Maintenance

- Dismantling & Recycling
- ✓ Training & Certification
- Education
- Promotion & Awareness

Skills, services, products, technologies

GreenPlug Engineering offers engineering & consultancy services in renewable energy (Hydropower, Wind, Solar, Storage)

They mainly work on small and medium plants (0,1 - 20MW) and have a strong international and African experience.

6 CLEAN WATER AND SANITATION



GreenPlug engineering studies run-of-the-river and reservoir hydropower projects in compliance with the highest environmental standards. Know-how in the turbinning of networks' waters: irrigation, waste- or drinking water.

7 AFFORDABLE AND CLEAN ENERGY



Energy resource Assessment, Feasibility study & Design, Owner's Engineer and Construction management, Technical due diligence.



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PROJECTS IN AFRICA:

Kenya, DR Congo, Rwanda, Madagascar, Burundi, Cameroon, Chad, Djibouti, Mali, Morocco, Mozambique, Niger, Senegal, Tanzania.



GROUPE ER2I
 Private - SME (less than 250 staff)
 Saint-Ismier • France
 www.er2i.eu



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- ✓ Manufacturing & Production
- ✓ Operations & Maintenance
- ✓ Funding
- ✓ Distribution & Installation
- ✓ Marketing
- ✓ Dismantling & Recycling
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Skills, services, products, technologies

Group ER2I is a major player in the real estate sector.



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- Other(s)



IDEC ENERGY



PROJECTS IN AFRICA:



HAL Service SpA

Private - SME (less than 250 staff)
 Borgosesia • Italy
<https://www.halservice.it/>



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- ✓ Distribution & Installation
- Marketing
- Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness

Skills, services, products, technologies

Founded in 1990, Hal Service has always focused its activities on the search for highly reliable solutions, designing and delivering cutting-edge ICT services that can ensure the security of systems and data.

6 CLEAN WATER AND SANITATION



Hal Service hasn't direct expertise, but can provide technologies and tools to connect and integrate water sector supplier information systems.

7 AFFORDABLE AND CLEAN ENERGY



Energy optimisation for data centers and connectivity infrastructure in remote areas of the territory with solar energy.



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- ✓ Software - Digitalisation - Data
- Other(s)



PROJECTS IN AFRICA:



HeliosLite

Private - SME (less than 250 staff)
 Le Bourget-du-Lac • France
 helioslite.com



R&D – R&I

Studies - Design - Consultancy

Funding

- ✓ Manufacturing & Production
- Distribution & Installation
- Marketing

Operations & Maintenance

Dismantling & Recycling

Training & Certification

Education

Promotion & Awareness

Skills, services, products, technologies

HeliosLite is a "technological challenger" in the field of photovoltaic structures (e.g. trackers and floating PV) with patented and field proven products to lower the cost of energy and open new markets notably off-grid and self-consumption applications.



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- Energy Efficiency
- Hardware - Smart Metering
- Software - Digitalisation - Data
- Other(s)



HeliosLite is an equipment provider combining a patented mechanical structure with electronic control, monitoring and smart phone O&M application for ground mounted, PV power plants from 5kWp (one tracker) to 1MWp (200 trackers). HeliosLite works for developers of energy production & storage solutions.



PROJECTS IN AFRICA: South Africa, Senegal, Morocco



HYDRAO

Private - SME (less than 250 staff)
Grenoble • France
pro.hydrao.com

Skills, services, products, technologies

HYDRAO offers smart solutions for water preservation. The solutions raise consumers awareness and encourage them to adopt an eco-responsible behaviour. It also offers a set of innovative and easy-to-use products & services to help individuals and companies to take action on their water consumption.

6 CLEAN WATER AND SANITATION



HYDRAO Smart Shower allows to reduce water consumption thanks to the Nudge pedagogy and an economic flow. Its solution also allows to monitor water consumption in the shower.

HYDRAO Meter allows to follow water consumption in real time to know it better and to be able to quickly detect abnormal consumption (leaks, etc.)

7 AFFORDABLE AND CLEAN ENERGY



HYDRAO Showers reduce hot water consumption in the shower. This means that less energy is needed to heat the water.

All the technologies work without batteries thanks to a micro-turbine. HYDRAO shower heads save up to 7 % of hot water. This means both water and energy savings. They also save up to 3 times more CO2 than they emit during their manufacture.



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- ✓ Distribution & Installation
- Marketing
- Operations & Maintenance
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- Other(s)



PROJECTS IN AFRICA:



HYDROO

Private - SME (less than 250 staff)
 Palol de Revardit • Spain
 www.hydroo.com



- ✓ R&D – R&I
- Studies - Design - Consultancy
- Funding
- ✓ Manufacturing & Production
- Distribution & Installation
- Marketing
- ✓ Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness

Skills, services, products, technologies

HYDROO PUMP INDUSTRIES, S.L. manufactures a wide range of pumping solutions for the most demanding applications. It designs efficient pumps in connection with our own RD&I Excellence Centre. Hydroo also provides engineering services for hydraulic systems and equipment. Our Tests Centres sized up to 1000 m3/h, 40 bar and 160 kW provide performance warranty to 100% of our production.

6 CLEAN WATER AND SANITATION



Pumping solutions for building services, industry, irrigation and industrial process. Customers find out the highest performance in booster sets and pressurisation, fire-fighting sets, underground water, HVAC, drainage and sewage, utilities, desalination and OEM integrations.

7 AFFORDABLE AND CLEAN ENERGY



- Preservation of Water Resources
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- Other(s)



PROJECTS IN AFRICA:
 Morocco, Egypt, Tunisia, Kenya, Uganda.



Hydroscan

Private - SME (less than 250 staff)

Gembloux • Belgium

www.hydroscan.eu

Skills, services, products, technologies

Hydroscan is a world-leading expert in holistic, integrated solutions for more sustainable and cost-effective water management. We are in first instance water engineers that deliver preventive warning for water impacts and smart urban water solutions.

Their smart water management solutions in these 3 key markets are :

- Hydro portal & LeakRedux[®] Real-time leakage warning system and operational leakage reduction management
- RioScan[®] Integrated 3D measuring technology , structural failure forecasting and 3D visualisation (cloud)
- Flood4Cast[®] real-time forecasting on urban floods and operational disaster management

Hydroscan offers smart water solutions in 3 markets: Drinking water management, Sewer management, Urban flood management. Their target groups are the Public (Water Utilities, Regions, provinces, Cities, Ministries/Governments, Regulators, Industry, Emergency services) and the Private sector (Banks & Funds, International consultancy groups, Insurances).

The products and services offered in the water sector (Hydraulic modeling, detection of leaks to reduce NRW, real time modeling,...) will help utilities and water infrastructures managers to better manage and optimize their infrastructures with a reduction of energy consumption.



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
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PROJECTS IN AFRICA: Morocco



Idroricerche S.r.l.
 Private - SME (less than 250 staff)
 Chiusa di Pesio • Italy
 www.idroricerche.com

Skills, services, products, technologies

Idroricerche is active in the research, planning and implementation of customised and turnkey solutions for the efficient and ecological use of water in the Food&Beverage industry, especially mineral water, brewery, wine, dairy and water for drinking purposes.

Idroricerche offers tailor-made ecological applications for the improvement of production processes, based on an integrated water cycle: incoming water, process water at the points of use, service water, wastewater, and renoval of incoming water.

Its microfiltration systems are useful in food & beverage. Idroricerche also works in hydrogeological research for water extraction.

Hydrogeological research (non-invasive studies), intake works (springs and wells), piping storage and plant distribution, all kind of water treatment (reverse-osmosis, microfiltration, ultrafiltration, softening, chlorine dosage, activated carbon systems...), automation for managing plants, springs, wells, plants sanitising, CIP systems, enzymatic washing, water saving systems, dynamic filtration plants for cheese firming water, brine filtration plants.



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- Other(s)

PROJECTS IN AFRICA:



IED Consult

Private - SME (less than 250 staff)
 Francheville • France
 www.ied-sa.fr



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- ✓ Funding
- ✓ Manufacturing & Production
- ✓ Distribution & Installation
- ✓ Marketing
- ✓ Operations & Maintenance
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Skills, services, products, technologies

IED is specialised in sustainable energy services in developing countries (Asia, Africa).



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The involvement of IED extends from the design of national electricity strategy to the construction and commissioning of infrastructure such as distribution networks and renewable energy production plants.



PROJECTS IN AFRICA:

Uganda, Kenya, Mali, Senegal, Benin, Tanzania, DR Congo, Niger, Madagascar, Guinea, Gabon, Cameroon



INES

Research center/institute/team or Knowledge center

Le Bourget-du-Lac • France

<https://www.ines-solaire.org/>

Skills, services, products, technologies

INES PLATEFORME FORMATION & EVALUATION works on the transfer of knowledge and skills on solar photovoltaics, solar thermal and energy efficiency in the buildings.



Training of professionals (technicians, trainers, students and general public), monitoring and evaluation of systems and buildings, digital resource centre (calculation tools, data observatory), and provision of conferences.



R&D – R&I

- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- Distribution & Installation
- Marketing

Operations & Maintenance

- Dismantling & Recycling
- ✓ Training & Certification
- ✓ Education
- ✓ Promotion & Awareness



- Preservation of Water Resources
- Water Catchment
- Water Treatment
- Water Quality Control
- Water Adduction/Transport
- Water Distribution
- Water Storage
- Wastewater Collection
- Wastewater Treatment
- Water Desalination
- Hardware - Smart metering
- Software - Digitalisation - Data
- Other(s)



- ✓ Solar - PV
- ✓ Solar - Thermal
- ✓ CSP (Concentrated Solar Power)
- Off-shore Wind
- On-shore Wind
- Hydropower
- ✓ Combined Heat & Power
- Geothermal
- Biomass - Biofuel
- ✓ Micro-grids
- Hydrogen
- ✓ Energy Storage
- ✓ Energy Efficiency
- Hardware - Smart Metering
- Software - Digitalisation - Data
- Other(s)



PROJECTS IN AFRICA:

Tunisia, Algeria, Morocco, Senegal, Niger, etc



INLOC ROBOTICS SL

Private - SME (less than 250 staff)

Barcelona • Spain

www.inlocrobotics.com

Skills, services, products, technologies

INLOC ROBOTICS is a StartUp founded in 2014 who, through research projects and engineering projects offers solutions in the field of robotics and, in a generic way, in the fields of automation and control including the paradigms of Industry 4.0 and IoT.

6 CLEAN WATER AND SANITATION



SEWDEF, a fully automatised system that analyses network sewer videos using Computer Vision and Artificial Intelligence to search for defects. Calibrated on over 5 million images. SEWDEF offers totally automated analysis, delivering objective results quickly and reliably. Using SEWDEF implies cost savings in operation and improvement in the reliability and consistency of the analysis.

7 AFFORDABLE AND CLEAN ENERGY



For the energy sector we are creators, designers and manufacturers of modular concentrating solar panels that are able to have a high efficiency and can heat various fluids such as water, diathermic oil, steam, air and / or compressed gases in the tempera.



- ✓ R&D – R&I
- Studies - Design - Consultancy
- Funding
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- Distribution & Installation
- Marketing
- Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
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- Promotion & Awareness



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- Other(s)



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- Other(s)



PROJECTS IN AFRICA:



Inovaya

Private - SME (less than 250 staff)
Lyon • France
www.inovaya.eu

Skills, services, products, technologies

Inovaya is a french start-up with social utility goal. It develops innovative water filtration devices for drinking water access and reduces waterfootprint for industrial sector.

6 CLEAN WATER AND SANITATION



Inovaya develops new technology for water filtration and treatment to improve drinking water access. Its technology works without consumable nor chemical products and with a minimum of maintenance. It can filter any kind of fresh water source and make it drinkable. The filters work during 10 years thanks to an algorithm which cleans them automatically.

7 AFFORDABLE AND CLEAN ENERGY



Inovaya's device works with a minimum of electricity and can be plugged to solar panel, water turbine or work with gravity only.

R&D – R&I

- ✓ Studies - Design - Consultancy
- Funding
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- Marketing

Operations & Maintenance

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- Training & Certification
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- Promotion & Awareness



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- Other(s)

PROJECTS IN AFRICA:

DR Congo



InSensus Project Srl

Private - SME (less than 250 staff)
 Pino Torinese • Italy
 www.in-sensus.com



- R&D – R&I
- Studies - Design - Consultancy
- Funding
- ✓ Manufacturing & Production
- Distribution & Installation
- Marketing
- ✓ Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness

Skills, services, products, technologies

InSensus Project is a designer and manufacturer of cutting-edge data loggers, from sensor to visualisation software. InSensus offers ingenious monitoring solutions for structural health monitoring of infrastructures, land and snow slide monitoring, pipeline structural health monitoring, and boat/ship structural monitoring.

The solutions are able to monitor the performance of structures such as pipes dams wind turbines ect, to optimise maintenance and to prevent failure.

6 CLEAN WATER AND SANITATION



Supermicron for underground and overground pipes:

A revolutionary system, able to monitor continuously and with great precision the behavior of external or underground pipelines, alerting in real-time in case of deformations and anomalous pressure variations or angular displacements, and capable of identifying any leaks and their exact location.

7 AFFORDABLE AND CLEAN ENERGY



The SuperMicron sensor is perfect for off and onshore wind turbines. The same technology can be applied to penstocks and hydrogen transport.



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- Energy Efficiency
- Hardware - Smart Metering
- Software - Digitalisation - Data
- Other(s)



PROJECTS IN AFRICA:



IRIDRA Srl

Private - SME (less than 250 staff)
 Firenze • Italy
 www.igidra.com



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- Distribution & Installation
- Marketing
- Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness

Skills, services, products, technologies

IRIDRA is an engineering SME based in Florence (Italy) founded in 1998 by a multidisciplinary group of professionals with multi-year experience in sustainable water management and nature-based solution.

IRIDRA staff designed over 3 constructed wetland (CW) systems to face several problems (domestic, urban and industrial wastewater, landfill leachate, extensive systems for agricultural and highway runoff, Combined Sewer Overflows) in different geographical situations (Italy, North Africa, Moldavia, India, Sri Lanka, Cuba, Honduras, Palestine). For most of the CW realised, IRIDRA team worked also on supervision and participated to the CW management and monitoring during the years after the operation. IRIDRA designed and supervised the realisation of the nowadays biggest treatment wetland for secondary treatment in the World: the treatment plant of Orhei (Moldova).



- ✓ Preservation of Water Resources
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- Other(s)



Design, assistance to construction, R&D, dissemination, training on sustainable water management and nature-based solutions.



**PROJECTS IN AFRICA:
 Malawi, Mozambique, Tunisia, Tanzania**



Iris Srl

Private - SME (less than 250 staff)
Orbassano • Italy
www.irissrl.eu



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- ✓ Funding
- ✓ Manufacturing & Production
- Distribution & Installation
- Marketing
- Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness

Skills, services, products, technologies

IRIS is a strong innovative SME, based in the industrial area of Turin, specialised in the integration and development of technologies for the circular economy in small-scale industrial and civil institutions (recovery of resources, water, energy, raw materials).

IRIS major technologies are related to:

1. Waste to energy. The plasma conversion reactor.
2. Plasma Water treatment. Thanks to this technology bacteria and microorganisms are eliminated and the formation of algae is prevented.

6 CLEAN WATER AND SANITATION



IRIS has conceived, designed, and patented the Greenplasma Cold treatment, which uses high-voltage discharge but very short electrical pulses to treat any fluid. Applied to water, it eliminates bacteria, prevents the formation of algae, and eliminates non-biodegradable pollutants. IRIS also integrates water technologies.

7 AFFORDABLE AND CLEAN ENERGY



IRIS has conceived, designed, and patented, with the use of thermal plasma technology, a treatment that allows, due to the high temperatures reached (up to 5000 ° C), to transform any organic compound into gas, separating it from the matrix. The system has great potential in circular economy applications as it allows the recovery of raw materials and energy, without harmful emissions.



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- ✓ Other(s)



PROJECTS IN AFRICA:



Janson lawfirm
Other
 Bruxelles • Belgium
 www.janson.be

Skills, services, products, technologies

The Energy, Climate Change and Mobility Department of the law firm Janson Baugniet is specialised in legal and regulatory matters related to renewable energy.

Janson lawfirm offers legal and regulatory assistance; Provides legal expertise in the implementation of energy projects, including energy efficiency projects; Conducts and assists in legal studies and benchmarking in energy and renewable energy; Provides advice in contract drafting (energy supply, PPA, B.O.T of power plants, LNG, pipeline matters, financial arrangements, etc.), negotiations, and in the development of new renewable energy sources.



Regulatory and tariff structure licensing.



Regulatory, tariff, grid code, access to the grid and smart grid infrastructure, distribution and metering, protection of investment, development of a financing structure, financing opportunities and public-private partnerships, rural electrification, energy storage, energy efficiency projects, low-carbon growth, capacity building, development of policy, governance and institutional frameworks.



R&D – R&I

- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- Distribution & Installation
- Marketing

Operations & Maintenance

- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness



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PROJECTS IN AFRICA:

Algeria, Benin, Burkina Faso, Burundi, Djibouti, DR Congo, ECOWAS region, Guinea, Ivory Coast, Madagascar, Mali, Morocco, Niger, Nigeria, Rwanda, Senegal, Togo.



JLA Hydro

Private - SME (less than 250 staff)
 Assesse • Belgium
www.jlahydro.be

Skills, services, products, technologies

JLA Hydro is a Belgian based company specialised in the design, manufacturing and installation of tailor-made hydro turbogenerators.

JLA Hydro turbines are designed for heads ranging between 3 and 80 metres and flow rates from 30 to 1600 l/s, generating powers from 5 to 500 kW.



Design, manufacture and installation of hydroelectric equipment. Operations and maintenance through powerful remote management tools and regular routine maintenance and visits. Rehabilitation of old turbines. Training to develop existing local capacity in the pico-hydropower sector: generating electricity from 1 to ~ 20 kW from a waterfall. With objective to enable local entrepreneurs to design, manufacture and operate hydroelectric equipment.

- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- ✓ Funding
- ✓ Manufacturing & Production
- ✓ Distribution & Installation
- ✓ Marketing
- ✓ Operations & Maintenance
- ✓ Dismantling & Recycling
- ✓ Training & Certification
- ✓ Education
- ✓ Promotion & Awareness



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- Other(s)

PROJECTS IN AFRICA:
 DR Congo, Kenya, Rwanda, Burundi, Cameroon, Madagascar



John Cockerill Group

Private - Large company (more than 250 staff)
 Seraing • Belgium
www.johncockerill.com

Skills, services, products, technologies

Founded in 1817, the John Cockerill Group develops large-scale technological solutions to meet the needs of its time: preserving natural resources, contributing to greener mobility, producing sustainably, fighting against insecurity and facilitating access to renewable energy.

The solutions range from 2 to 50MW for both industry and national utility.

The company offers turnkey energy solutions in order to address the challenges faced by Africa in terms of access to clean and affordable energy for communities and businesses. Its global approach enables to cover the full value chain, from energy audits, optimal solution design, EPC offer, project execution and operation & maintenance. The company also provides financing solutions.

The product range dedicated to the African market:

- Energy storage (energy arbitrage, frequency regulation, peak-shaving, black-start, UPS).
- Energy Management System (EMS) to optimise all energy flows & storage and the profitability.
- Energy generation: multi tech and multi-MW range energy generation solutions (generator set, solar, H2, biomass, cogen, power2gas, thermal storage)
- Hybrid power plant: (off-grid or weak-grid solutions, solutions combining generator sets, PV and battery storage).
- Grid connected PV systems.



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- ✓ Funding
- ✓ Manufacturing & Production
- ✓ Distribution & Installation
- ✓ Marketing

- ✓ Operations & Maintenance
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Preservation of Water Resources

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- Other(s)

PROJECTS IN AFRICA:

Morocco, Senegal, Kenya, Ivory Coast, DR Congo, South Africa



KEIKEN Engineering
 Private - SME (less than 250 staff)
 Madrid • Spain
 www.keiken-engineering.com



R&D – R&I

Studies - Design - Consultancy

Funding

✓ Manufacturing & Production

✓ Distribution & Installation

Marketing

Operations & Maintenance

Dismantling & Recycling

Training & Certification

Education

Promotion & Awareness

Skills, services, products, technologies

KEIKEN Engineering develops solutions for sea water desalination and energy efficiency.

6 CLEAN WATER AND SANITATION



Sea water desalination plants (small and mid-sized), containerised solutions integrated with renewable energies.

7 AFFORDABLE AND CLEAN ENERGY



Energy audits, energy efficiency equipment supply and solar panels installations.



Preservation of Water Resources

Water Catchment

Water Treatment

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Water Adduction/Transport

Water Distribution

Water Storage

Wastewater Collection

Wastewater Treatment

✓ Water Desalination

Hardware - Smart metering

Software - Digitalisation - Data

Other(s)



✓ Solar - PV

Solar - Thermal

CSP (Concentrated Solar Power)

Off-shore Wind

On-shore Wind

Hydropower

Combined Heat & Power

✓ Geothermal

Biomass - Biofuel

Micro-grids

Hydrogen

Energy Storage

✓ Energy Efficiency

Hardware - Smart Metering

Software - Digitalisation - Data

Other(s)



PROJECTS IN AFRICA:

Algeria



KING DIAMOND SLU
Private - SME (less than 250 staff)
 Sant Pere de Ribes • Spain
 www.ufbaf.com

Skills, services, products, technologies

King Diamond provides solutions for nitrates removal in water.

- CO2 emissions reduction compared to reverse osmosis.
- Minimal operational cost.
- Zero waste, NO3 to N2, clean technology.
- Modular construction. This makes it easy to adapt to load variations and possible expansions.

Patented solution for nitrates removal in water.



R&D – R&I

Studies - Design - Consultancy

Funding

- ✓ Manufacturing & Production
- ✓ Distribution & Installation
- Marketing

Operations & Maintenance

Dismantling & Recycling

Training & Certification

Education

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- Preservation of Water Resources
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PROJECTS IN AFRICA:



Lagazel

Private - SME (less than 250 staff)
 Saint-Galmier • France
 www.lagazel.com



- ✓ R&D – R&I
- Studies - Design - Consultancy
- Funding
- ✓ Manufacturing & Production
- Distribution & Installation
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- Operations & Maintenance
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Skills, services, products, technologies

Lagazel manufactures solar lamps and solar-home-systems in France and Africa.



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R&D and production of off-grid solar products: solar lamps, solar-home-systems, collective charging station, bulblights, battery pack. Local production and sub-contracting for other players. Repair and refurbishing of components from solar products.



PROJECTS IN AFRICA: Burkina Faso, Benin, Senegal, Mali



LuciSun
 Private - SME (less than 250 staff)
 Bruxelles • Belgium
 www.lucisun.com

Skills, services, products, technologies

LuciSun is a Research and Consulting company active in solar energy.

LuciSun is a company that has been created by a team of highly-skilled engineers and scientists in the fields of solar energy and energy meteorology. The company specialises in advanced consulting services, simulation tools, data analytics and R&D for the solar energy sector, mostly regarding photovoltaic (PV) applications.



LuciSun offers services to solar energy plant managers, consulting companies, investment entities, and public bodies. These services include energy yield simulation, performance assessment, due diligence, risk assessment, monitoring data analysis, reporting, as well as fault detection and diagnosis.

- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
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- Other(s)

PROJECTS IN AFRICA:
 Benin, Tunisia, Egypt



Lumila

Private - SME (less than 250 staff)
 Aulnay-sous-Bois • France
<https://www.lumila.fr/>



R&D – R&I

- ✓ Studies - Design - Consultancy
- Funding
- ✓ Manufacturing & Production
- Distribution & Installation
- Marketing

Operations & Maintenance

- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness

Skills, services, products, technologies

French provider of lighting & energy solutions, both fixed & mobiles products. Its main clients are industry & public institutions.

Charging station for autonomous batteries between 500 & 1,000Wh. 1 station could integrate ~100-200 batteries, depending on PV panels surface.
 24V batteries, with integrated lighting and USB/12V/230V outputs. The 230V will be "locked" at ~80-100W of discharged.



- Preservation of Water Resources
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- ✓ Solar - PV
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- ✓ Micro-grids
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- Energy Efficiency
- Hardware - Smart Metering
- Software - Digitalisation - Data
- Other(s)



- Fixed & mobile lighting solutions (LED-driven) for industry & public institutions
- Offgrid PV charging stations, enabling to charge multiple mobile/autonomous Li-Ion batteries (that people will use the same way they use gas bottle)



PROJECTS IN AFRICA: Burkina Faso



MbeguSolar AB

Private - SME (less than 250 staff)
Lund • Sweden
<https://mbegusolar.com>



R&D – R&I

Studies - Design - Consultancy

Funding

Manufacturing & Production

✓ Distribution & Installation

Marketing

Operations & Maintenance

Dismantling & Recycling

Training & Certification

Education

Promotion & Awareness

Skills, services, products, technologies

MbeguSolar is a mission driven company based in Sweden and Kenya. It builds a platform to connect micro-enterprises in emerging markets with existing solar solutions.

MbeguSolar is a B2B software company that connects African micro-enterprises with existing solar solutions (for both water and energy sector).
Its distributors (B2B customers) normally work with off grid solar systems that's below 2kW.

6 CLEAN WATER AND SANITATION



Our platform offer hardware providers (i.e. european companies building solar water pump) access to a wide network of local distributors.

7 AFFORDABLE AND CLEAN ENERGY



Our platform offer hardware providers (i.e. european companies building solar cooling system) access to a wide network of local distributors.



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- Energy Efficiency
- Hardware - Smart Metering
- ✓ Software - Digitalisation - Data
- ✓ Other(s)



PROJECTS IN AFRICA: Kenya



MEC Srl

Private - SME (less than 250 staff)
 Torino • Italy
 www.mecsrl.net



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- Distribution & Installation
- Marketing
- Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
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Skills, services, products, technologies

MeC is a consultancy firm based in Italy and USA. MeC's core business is Cost Analysis. In particular, it concentrates its activities on Should Cost (analysis of variable costs and investments), Cost Tracking (cost monitoring and control), Cost Benchmark (evaluation of competitor products), and Cost Reduction (identification of value optimisation opportunities). Thanks to its business, clients are able to know and control the exact costs of what they buy and/or produce, and to obtain new information on the market of their interest, thus increasing their competitiveness.



6 CLEAN WATER AND SANITATION

- Preservation of Water Resources
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7 AFFORDABLE AND CLEAN ENERGY

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- ✓ Other(s)



Cost Analysis for solar panels located in solar plants (Variable and Investments)
 Feasibility and make-buy logic; MeC answers questions such as “Where is it convenient to produce? Do the countries where the panels will be installed have the technologies and skills necessary for the production and assembly of the panels? Would the customer like to use local labour for assembly?” and similar questions.

PROJECTS IN AFRICA:
 MEC is opening its new Company "MEC COSTING" in Tanger Free Zone - Morocco



Mercato Circolare

Private - SME (less than 250 staff)
 Torino • Italy
<https://www.mercatocircolare.it>

Skills, services, products, technologies

Mercato Circolare is an innovative startup with a social vocation, creating digital and cultural connections within the circular economy ecosystem. It develops different cross-media services and tools: an app that creates B2B and B2C connections; Training & Education; Consulting and networking

- 1) MERCATO CIRCOLARE App creates B2B and B2C connections by promoting products and services of circular enterprises, allowing the user to buy online and/or locally, making accessible interactive and knowledgeable information on circular practices.
- 2) Educational, popular and cultural events and serious games on the theme of circular economy.
- 3) Consulting, training and networking opportunities to accompany businesses and institutions in the circular and sustainable transition.



Our skills and tools are enabling and supportive of the Water sector (connecting actors; training and awareness)



Our skills and tools are enabling and supportive of the Energy sector (connecting actors; training and awareness)



- Preservation of Water Resources
- Water Catchment
- Water Treatment
- Water Quality Control
- Water Adduction/Transport
- Water Distribution
- Water Storage
- Wastewater Collection
- Wastewater Treatment
- Water Desalination
- Hardware - Smart metering
- ✓ Software - Digitalisation - Data
- Other(s)



- Solar - PV
- Solar - Thermal
- CSP (Concentrated Solar Power)
- Off-shore Wind
- On-shore Wind
- Hydropower
- Combined Heat & Power
- Geothermal
- Biomass - Biofuel
- Micro-grids
- Hydrogen
- Energy Storage
- Energy Efficiency
- Hardware - Smart Metering
- ✓ Software - Digitalisation - Data
- Other(s)

PROJECTS IN AFRICA:

Senegal



MITIS SA

Private - SME (less than 250 staff)
 Angleur • Belgium
 www.mitis.be

Skills, services, products, technologies

MITIS develops, manufactures, sells, and services innovative energy converters for the transition to decentralised, low greenhouse gas and efficient energy production. Company's systems are based on flameless combustion microturbines applied to Combined Heat and Power.

Production ranges from 10 to 20 kWe and 90 kW of heat.

The solutions "micro-10 HP" and "micro-20" combine a flameless combustion microturbine with a heat pump as an ultra efficient gas heat pump. The microturbine produces up to 10 kWe (Micro-10) or 20 kWe (Micro- 20) of DC electricity and heat (35 kWth) through the clean combustion of natural gas, biogas or liquid fuels. The heat pump works with a natural refrigerant (R290) and DC powered compressors from the automobile industry. The solution offers a very efficient and novel capability when feeded by biogas as the flameless combustion ensures very low emissions while the novel microturbine produces electricity. The microturbine and the heat pump connect through a DC microgrid. The heat pump combines four separate refrigeration loops and exploits air renewable energy to produce up to 40 kWth of renewable heat or cool. The solution is very modular since multiple systems can be combined on the same microgrid to yield higher power.

7 AFFORDABLE AND CLEAN ENERGY



- ✓ R&D – R&I
- Studies - Design - Consultancy
- Funding
- ✓ Manufacturing & Production
- Distribution & Installation
- Marketing
- Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness



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PROJECTS IN AFRICA:



NEPSEN

Private - SME (less than 250 staff)
Lyon • France
www.transenergie.eu

Skills, services, products, technologies

NEPSEN (formerly Transénergie) is an independent consulting and engineering firm specialised in renewable energies since 1992.
The team is part of the NEPSEN group: turnover of 11M €, 150 employees, mainly consulting engineers.

- Solar photovoltaics (ground mounted, rooftop, carports, floating): owner's engineering, pre-feasibility studies, feasibility studies, energy yield analysis, site surveys, construction monitoring, performance analysis, project management, technical due diligence, certified training.
- Renewable energy strategy involving GIS methodology and various renewables (not only solar)
- Charging stations for electric vehicles
- Off-grid networks / hybrid solar plants (PV + li-ion storage or diesel generator)
- Green Hydrogen

7 AFFORDABLE AND CLEAN ENERGY



R&D – R&I

- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- Distribution & Installation
- Marketing

Operations & Maintenance

- Dismantling & Recycling
- ✓ Training & Certification
- Education
- Promotion & Awareness



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- Other(s)



PROJECTS IN AFRICA:



Odit-e

Private - SME (less than 250 staff)
 Meylan • France
 odit-e.com



- ✓ R&D – R&I
- Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- ✓ Distribution & Installation
- Marketing
- Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness

Skills, services, products, technologies

Odit-e is digitalising the electricity distribution networks to support their managers in the energy transition.



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- Other(s)



Odit-e's main innovation consists in automatically modeling electricity distribution networks from data from smart meters.

Based on this model, the company offers four services to optimise these networks by improving the quality of service, the quality of supply and the capacity of PV production while minimising losses.



PROJECTS IN AFRICA:
 Burkina Faso, Madagascar, Kenya, Tanzania



Paneco Ambiente Srl
 Private - SME (less than 250 staff)
 Cuneo • Italy
www.bioecologicalsystem.com

Skills, services, products, technologies

Paneco Ambiente is a young and dynamic reality that boasts over 40 years of virtuous history dedicated with passion and commitment to ecology, the green economy and microbiodiversity.

The line of products dedicated to the aquatic ecosystem is the conclusion of the important air-land-water trio also represented in the company logo. The goal of Ecocandy® initially was to respond to the increasingly frequent requests of agricultural/industrial companies with accumulation tanks affected by excessive algal growth. It then developed to include products to improve the welfare of fish-farmed species, especially in the most delicate phases.

Ecocandy® is the innovative line dedicated to the aquatic ecosystem, and includes products:

- ✓ completely natural and 100% biodegradable
- ✓ easily applicable and modular according to needs
- ✓ extremely complex and multivalent, consequently able to act without causing sudden upheavals

All their products are developed to be completely eco-sustainable and environmentally friendly. The goal of the Ecocandy® line is to offer an alternative to the use of algaecides and substances of chemical origin. In fact, the latter, in addition to being harmful to the environment, are now no longer provided for by recent legislation (copper in flakes).



- ✓ R&D – R&I
- Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- Distribution & Installation
- Marketing
- Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness



- ✓ Preservation of Water Resources
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- Other(s)



PROJECTS IN AFRICA: Algeria



POD ONE - DHBC

Private - SME (less than 250 staff)
Paris • France
www.podoneconsulting.eu



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- ✓ Funding
- Manufacturing & Production
- Distribution & Installation
- Marketing
- ✓ Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- ✓ Education
- ✓ Promotion & Awareness

Skills, services, products, technologies

Consulting company which is specialised in business strategy to modernise and transform public administration for governments in Africa : Senegal, Chad, Mali, Niger, Burkina, Guinea, Central African Republic. Pod One - DHBC leads projects in accordance with sustainable objectives of the United Nations.

6 CLEAN WATER AND SANITATION



Proposes devices for providing drinking water and wastewater treatment powered by solar. Pod One - DHBC provides, sets up and maintains systems with its teams and reference partners. Packaged offer for disadvantaged areas: wastewater treatment and drinking water production in container. Projects currently under study for the areas of northern Mali, Senegal and Niger.

7 AFFORDABLE AND CLEAN ENERGY



Pod One is involved in Senegal, Mali, Chad and Niger for the decarbonation of essential services, particularly for hospitals, health centers, and provides kits to supply with solar electricity villages (2000 to 5,000 inhabitants) who do not have electricity. Company's strength is to propose solutions mixing solar technologies to give the autonomy of operation to the necessary energy and those of telemedicine which are also decarbonated.



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- Micro-grids
- Hydrogen
- Energy Storage
- ✓ Energy Efficiency
- Hardware - Smart Metering
- Software - Digitalisation - Data
- Other(s)



PROJECTS IN AFRICA:

Senegal, Mali, Chad, Niger, Burkina Faso, Guinea, Morocco, Tunisia



Regis Motors

Private - SME (less than 250 staff)

Biella • Italy

<https://regis-motors.com/en/>

Skills, services, products, technologies

Regis Motors SRL is an innovative start-up. The core of the company is the production, with its own brand, of an entire family of Full Electric vehicles, called Epic0, with unique technological contents compared to the competition and exclusively equipped with proprietary powertrain systems. Its vehicles have high standards in terms of security, sustainability, quality, and innovation.

6 CLEAN WATER AND SANITATION



Epic0 is a compact electric vehicle, classified as a heavy quadricycle in the commercial version with L7e CU approval. In the company's plans, the project was created to meet the needs of the goods distribution of the so-called "last mile" and the distribution of goods in general, with a vehicle capable of carrying out a daily activity within urban centers.

7 AFFORDABLE AND CLEAN ENERGY



Regis Motors' mission is to strongly contribute in the technological innovation and in the sustainable mobility, with a focus on humans and environment.



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- ✓ Funding
- ✓ Manufacturing & Production
- ✓ Distribution & Installation
- ✓ Marketing
- ✓ Operations & Maintenance
- ✓ Dismantling & Recycling
- ✓ Training & Certification
- ✓ Education
- ✓ Promotion & Awareness



- Preservation of Water Resources
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- Software - Digitalisation - Data
- Other(s)



PROJECTS IN AFRICA: Morocco, Angola



Rely on it.

Renolit Ibérica SA

Private - Large company(>250 staff)

Sant Celoni • Spain

www.renolit.com



R&D – R&I

Studies - Design - Consultancy

Funding

✓ Manufacturing & Production

Distribution & Installation

Marketing

Operations & Maintenance

Dismantling & Recycling

Training & Certification

Education

Promotion & Awareness

Skills, services, products, technologies

RENOLIT Ibérica manufactures synthetic waterproofing membranes.

They are very active in pumped storage schemes, including some large projects in Morocco.

6 CLEAN WATER AND SANITATION



Their products enhance the efficiency of hydraulic structures by avoiding the loss of resource. They are used for waterproofing infrastructures such as reservoirs, canals, dams, tanks, municipal deposits, etc.

7 AFFORDABLE AND CLEAN ENERGY



The products are oftenly used in hydropower plants, waterproofing dams, canals or reservoirs. Renolit Ibérica also produces roof waterproofing membranes incorporating a PV mounting system for solar rooftops.



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- Energy Efficiency
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- Software - Digitalisation - Data
- Other(s)



PROJECTS IN AFRICA:

Morocco, Algeria, Egypt, South Africa



Reyes Constructions

Private - Large company(>250 staff)

Valence • France

www.reyesgroupe.fr



R&D – R&I

- ✓ Studies - Design - Consultancy
- Funding
- ✓ Manufacturing & Production
- Distribution & Installation
- Marketing

Operations & Maintenance

- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness

Skills, services, products, technologies

Expert in the design, industrialisation and production of HV/LV electrical devices for smart energies.

Large experiment in projets for Africa.



- Preservation of Water Resources
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6 CLEAN WATER AND SANITATION



Engineering, industrialisation, smart equipments for hydroelectricity power plant, pumping process, etc.

7 AFFORDABLE AND CLEAN ENERGY



Engineering, industrialisation, smart equipments for energy storage, solar power plant, hydrogen, biogas, electric power plant, etc.



PROJECTS IN AFRICA:

Tunisia, Algeria, Morocco, Niger, Mali, Ivory Cost, Gabon, DR Congo, Cameroon, Senegal, etc.



Rutten New Energy System
Private - SME (less than 250 staff)
 Herstal • Belgium
 rutten-nes.com



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- ✓ Funding
- ✓ Manufacturing & Production
- ✓ Distribution & Installation
- ✓ Marketing
- ✓ Operations & Maintenance
- ✓ Dismantling & Recycling
- ✓ Training & Certification
- ✓ Education
- ✓ Promotion & Awareness

Skills, services, products, technologies

Rutten NES is a Belgian company founded in 2013 and basing its development on innovation and the search for simple solutions, particularly in the renewable energy sector. The company holds 35 patents and has commercialised many ground-breaking products and solutions.

To avoid premature aging and failure of the electrochemical storage system, Rutten NES decided to develop a totally innovative system that is not sensitive to high temperatures, with a storage capacity that does not degrade over time and which components are totally non-polluting and completely and easily recyclable.

This ecological and sustainable solution has been developed thinking of the most vulnerable remote communities and Small Island Developing States (SIDS) so as to provide them with a reliable access to solar photovoltaic energy 24 hours a day, for many, many days.



- Preservation of Water Resources
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- ✓ Energy Efficiency
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- ✓ Software - Digitalisation - Data
- ✓ Other(s)



Solar photovoltaic generation combined with hydropneumatics long term energy storage for off-grid electrification.



PROJECTS IN AFRICA:
 Senegal, Cape Verde, São Tomé and Príncipe



Sasso Srl

Private - SME (less than 250 staff)
Cuneo • Italy
www.sasso-italy.com



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- ✓ Funding
- ✓ Manufacturing & Production
- ✓ Distribution & Installation
- ✓ Marketing
- ✓ Operations & Maintenance
- ✓ Dismantling & Recycling
- ✓ Training & Certification
- ✓ Education
- ✓ Promotion & Awareness

Skills, services, products, technologies

Sasso has one century of experience in distributed energy and water treatment technologies.

Sasso can offer many solutions: power from few We up to 1MWe, stand-alone and grid-connected, hybrid solutions.

6 CLEAN WATER AND SANITATION



Pumps - turbines - pv-pumping - hydro-pumping-storage - hydro-IoT.

7 AFFORDABLE AND CLEAN ENERGY



Pumps - turbines - pv-pumping - hydro-pumping-storage - energy-IoT - energy efficiency - demande/response - micro-grid - pv-solutions - hydroelectric-solutions.



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- ✓ Other(s)



PROJECTS IN AFRICA:

Ethiopia, Zimbabwe, South Africa, Morocco, Burkina Faso, Kenya, Tanzania, Mali, Senegal



Save Innovations

Private - SME (less than 250 staff)
 Seyssins • France
www.save-innovations.com



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- ✓ Funding
- ✓ Manufacturing & Production
- ✓ Distribution & Installation
- ✓ Marketing
- ✓ Operations & Maintenance
- ✓ Dismantling & Recycling
- ✓ Training & Certification
- ✓ Education
- ✓ Promotion & Awareness

Skills, services, products, technologies

Save Innovations develops, manufactures and markets dedicated solutions for Smart Water applications.

6 CLEAN WATER AND SANITATION



The SMART PICOGEN is an autonomous permanent diagnostic station for the water networks. Thanks to the in-line monitoring of physico-chemical measurements (up to 7 parameters) and their real-time communication.

7 AFFORDABLE AND CLEAN ENERGY



The PICOGEN®, labeled Solar Impulse Efficient Solution, is a turbine for the power supply of the instrumentation of water networks.



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- Other(s)



PROJECTS IN AFRICA:
 Cameroon, Senegal, Ivory Coast and Niger



Sea Marconi Technologies

Private - SME (less than 250 staff)
 Collegno • Italy
www.seamarconi.com



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- ✓ Manufacturing & Production
- ✓ Operations & Maintenance
- ✓ Dismantling & Recycling
- ✓ Training & Certification
- ✓ Education
- ✓ Promotion & Awareness
- ✓ Funding
- ✓ Distribution & Installation
- ✓ Marketing

Skills, services, products, technologies

Sea Marconi operates in the key sectors of energy and the environment, being a leader in the market of services, technologies, and products for the management of electrical equipment. Sea Marconi is also engaged in the development of plants for the thermochemical conversion of biomass into bioenergy.

Sea Marconi is a comprehensive strategic partner alongside the most important industrial groups in the field of the production, transmission and distribution of power. Sea Marconi's market is expanding, also thanks to the awarding of prestigious international tenders issued by world organisations in Developing Countries. The core business of the company, the TransfoClean® product and service portfolio, includes services, products and technologies finalised toward the Life Cycle Management (LCM) of fleets of strategic equipment with insulating fluids supporting the holders in the difficult and very delicate task of asset management, loss prevention and environmental protection. Sea Marconi designed and implemented different units for the thermochemical conversion of a large variety of feedstock, including biomass, electronic waste, waste tyres, etc., into bioenergy and bioproducts.

7 AFFORDABLE AND CLEAN ENERGY



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PROJECTS IN AFRICA:



Seacoop STP

Private - SME (less than 250 staff)
 Torino • Italy
 www.seacoop.com



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- Distribution & Installation
- Marketing
- Operations & Maintenance
- Dismantling & Recycling
- ✓ Training & Certification
- Education
- Promotion & Awareness

Skills, services, products, technologies

SEAcop is a consultancy specialised in agriculture, forestry and earth sciences. SEAcop STP operates in land management to define sustainable solutions for the management of natural capital and ecosystem services.

Seacoop operates also for the development of energy communities.



Water management, hydrology and hydrogeology.
 Water quality monitoring.



Biomass, hydroelectric and photovoltaic power plants design.
 Energy Communities management.



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- Other(s)



**PROJECTS IN AFRICA:
 Uganda**



SEED-Energy

Private - SME (less than 250 staff)
Grenoble • France
seed-energy.fr



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- Distribution & Installation
- Marketing
- Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness

Skills, services, products, technologies

Seed-Energy is a software editor.

Seed-Energy is expert in techno-economics and modeling of energy systems. It develops and markets the software ODYSSEY, the tool for design, optimisation and investment decision support in energy projects.

ODYSSEY builds a digital twin of the system (photovoltaics, batteries, fuel cells, electrolyzers, storages, etc.) and uses it in dynamic simulations to give an insight on its operation over several years. Combined with the use of artificial intelligence, ODYSSEY optimizes the energy system (sizing, control).

ODYSSEY has the capacity to perform a complete technical, economic, and environmental feasibility study of an energy system by providing key indicators to decision makers such as net present value, payback time, rate of return, avoided CO2 emissions, etc. It can help any energy actor finding the next suitable business models to address.

ODYSSEY has been labelled “Efficient Solution” 2019 by Solar Impulse Foundation among 1, solutions around the world for climate and environment protection, and “Energized By Tenerrdis” by the French Cluster for the Energy Transition.



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- ✓ Software - Digitalisation - Data
- Other(s)



PROJECTS IN AFRICA:



SETEC HYDRATEC

Private - SME (less than 250 staff)

Paris • France

www.hydratec.setec.fr



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- Distribution & Installation
- Marketing
- Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness

Skills, services, products, technologies

Engineering and technical consulting company focused on water management, water, sanitation and drainage utilities, natural risk management.

6 CLEAN WATER AND SANITATION



Studies, masterplans, concept/detailed design, work supervision, technical advice, specific expertises (water modeling, hydrometry), software development, water governance.

7 AFFORDABLE AND CLEAN ENERGY



Hydropower, biogas feasibility studies and engineering



- ✓ Preservation of Water Resources
- ✓ Water Catchment
- ✓ Water Treatment
- ✓ Water Quality Control
- ✓ Water Adduction/Transport
- ✓ Water Distribution
- ✓ Water Storage
- ✓ Wastewater Collection
- ✓ Wastewater Treatment
- ✓ Water Desalination
- Hardware - Smart metering
- ✓ Software - Digitalisation - Data
- Other(s)



- Solar - PV
- Solar - Thermal
- CSP (Concentrated Solar Power)
- Off-shore Wind
- On-shore Wind
- ✓ Hydropower
- Combined Heat & Power
- Geothermal
- Biomass - Biofuel
- Micro-grids
- Hydrogen
- ✓ Energy Storage
- ✓ Energy Efficiency
- Hardware - Smart Metering
- Software - Digitalisation - Data
- ✓ Other(s)



PROJECTS IN AFRICA:

Morocco, Sub-saharian western countries, Madagascar, Mauritius



SHER Ingénieurs-Conseils SA
 Private - SME (less than 250 staff)
 Vedrin • Belgium
 www.sher.be



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- Distribution & Installation
- Marketing
- Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness

Skills, services, products, technologies

SHER Ingénieurs-Conseils is a Belgian consulting and engineering company active worldwide. Founded in 1985 and its head office is located in Namur (Belgium) since 1997.

The company brings innovative solutions for developing countries in the Water, Environment, Energy and Infrastructure.

Rural development, social development & food security
 Geomatics



- ✓ Preservation of Water Resources
- ✓ Water Catchment
- ✓ Water Treatment
- Water Quality Control
- ✓ Water Adduction/Transport
- ✓ Water Distribution
- ✓ Water Storage
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- Wastewater Treatment
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- Other(s)



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- Hydrogen
- Energy Storage
- Energy Efficiency
- Hardware - Smart Metering
- Software - Digitalisation - Data
- Other(s)



Integrated water resources management
 Irrigation and hydro-agricultural development
 Water supply and sanitation



Hydropower (up to 15 MW) & sustainable energy



PROJECTS IN AFRICA:
 Sub-Saharan Africa



SIGMADAF CLARIFIERS SL
Private - SME (less than 250 staff)
Cornella de Terri • Spain
www.sigmadafclarifiers.com

Skills, services, products, technologies

SIGMADAF CLARIFIERS is a wastewater treatment company with more than 40 years of experience, whose reputation is based on cost-effective and reliable modular products. It designs water treatment plants and create systems of cleaning solutions to reuse water for agricultural and industrial applications.

DAF, CAF and MBR units.

Industrial Wastewater treatment plants.
SIGMADAF CLARIFIERS uses the latest technology mix in DAF Systems and over 25 years of experience in its use for all types of industries. They are committed to the continuous improvement of their equipment. SIGMADAF CLARIFIERS designs all the equipment manufactured in the company. Each component is identified with a unique code to control the state of each piece and simplify the subsequent assembly. It minimises the faults that could arise when manufacturing and increases the quality of their products.



R&D – R&I

Studies - Design - Consultancy

Funding

- ✓ Manufacturing & Production
- Distribution & Installation
- Marketing

Operations & Maintenance

Dismantling & Recycling

Training & Certification

Education

Promotion & Awareness



- Preservation of Water Resources
- Water Catchment
- Water Treatment
- Water Quality Control
- Water Adduction/Transport
- Water Distribution
- Water Storage
- Wastewater Collection
- ✓ Wastewater Treatment
- ✓ Water Desalination
- Hardware - Smart metering
- Software - Digitalisation - Data
- Other(s)



- Solar - PV
- Solar - Thermal
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- Hydropower
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- Geothermal
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- Energy Efficiency
- Hardware - Smart Metering
- Software - Digitalisation - Data
- ✓ Other(s)



PROJECTS IN AFRICA:



Solar Cloth

Private - SME (less than 250 staff)
Mandelieu-La-Napoule • France
www.solar-cloth.com

Skills, services, products, technologies

Manufacture of thin film, ultra flexible and light solar panels (CIGS) - tailor-mades to customers' specific needs. Solar Cloth panels are aimed to be installed where other panels are not an option like textile areas (greenhouses, tunnel, tents...) or vehicles with vibrations (trucks, trailers...).

- 17.6% of energy efficiency (and increasing almost every 2 to 3 years)
- 1.8 to 2.8kg per square meter
- 15gr of CO2 per kWh
- 80% of efficiency warranty in 20 years
- at least 20 years of lifespan
- no micro-cracks
- less efficiency degradation when above 25-30°C compared to silicon
- can be fixed anywhere thanks to glue, zip, velcro, straps...



- ✓ R&D – R&I
 - ✓ Studies - Design - Consultancy
 - ✓ Manufacturing & Production
 - ✓ Distribution & Installation
 - ✓ Marketing
- Operations & Maintenance
 - Dismantling & Recycling
 - Training & Certification
 - Education
 - Promotion & Awareness



- Preservation of Water Resources
- Water Catchment
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- Hydrogen
- Energy Storage
- Energy Efficiency
- Hardware - Smart Metering
- Software - Digitalisation - Data
- Other(s)



CIGS, thin film, ultra flexible and tailor-mades solar panels



PROJECTS IN AFRICA:



Solarly Srl

Private - SME (less than 250 staff)

Ottignies-Louvain-la-Neuve •

Belgium

www.solarly.org



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- ✓ Funding
- ✓ Manufacturing & Production
- ✓ Distribution & Installation
- ✓ Marketing
- ✓ Operations & Maintenance
- ✓ Dismantling & Recycling
- ✓ Training & Certification
- ✓ Education
- ✓ Promotion & Awareness

Skills, services, products, technologies

Solarly is a Belgian company that develops, finances and distributes affordable, sustainable, scalable and connected solar systems in Cameroon.

Solarly designs and industrialises (installation & maintenance) connected (hardware), scalable and financially accessible (via payment plans - PAYG) solar systems that offer easy access to electricity, income opportunities and energy independence to its users.

Through its "SLY" (software) platform, Solarly offers many innovative services to its customers and partners. These services range from monitoring, after-sales service and financing. Finally, these solutions are distributed and maintained in the field by a local and proximity distribution network entirely trained by Solarly (human capital).

6 CLEAN WATER AND SANITATION



The solar solutions are often complemented with water solutions, for example to (1) power water pumps for irrigation, (2) power water towers and (3) power water purification systems, etc.

7 AFFORDABLE AND CLEAN ENERGY



1) "SolarlyBox", a Solar Home System scalable up to 3Wp. Several devices can be connected at the same time (lamps, phones, fridge, and other accessories, that Solarly also provide.

2) "SolarlyConnect" is ideal to meet needs such as powering water pumps for irrigation, powering cold chain solutions, powering machines for processing agricultural products,...



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- Geothermal
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- ✓ Energy Efficiency
- ✓ Hardware - Smart Metering
- ✓ Software - Digitalisation - Data
- Other(s)



PROJECTS IN AFRICA: Cameroon



Sotrad Water

Private - SME (less than 250 staff)
 Nivelles • Belgium
 www.sotradwater.be

Skills, services, products, technologies

Sotrad Water actively participates in facilitating access to drinking water for rural populations and improving the quality of life by implementing innovative and sustainable water solutions.

6 CLEAN WATER AND SANITATION



The range of Pump&Drink units is designed to provide sustainable, turnkey solutions for drinking water in rural communities. These solar stations come on new boreholes wells or in replacement of obsolete manual pumps. In complement, Sotrad Water makes water treatment units for intermediate and peri-urban areas, in standard 2' or 4' fully equipped containers. These units are designed to meet the needs of small cities, base camps, industries and hospitals.

7 AFFORDABLE AND CLEAN ENERGY



Powered by solar energy or connected to the electricity grid, the water treatment plant units operate automatically, ecologically and efficiently to produce up to 2 m³/h.

- ✓ R&D – R&I
- Studies - Design - Consultancy
- Funding
- ✓ Manufacturing & Production
- Distribution & Installation
- Marketing
- ✓ Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness



- Preservation of Water Resources
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- Energy Storage
- Energy Efficiency
- Hardware - Smart Metering
- Software - Digitalisation - Data
- Other(s)

PROJECTS IN AFRICA:
 Ivory Coast, DR Congo, Nigeria, Togo, Sierra Leone, Benin, Tanzania, Mozambique, Cameroon.



SPIN

SPIN

Private - SME (less than 250 staff)
Barcelona • Spain
www.spingroup.global

Skills, services, products, technologies

A leading technological company in the fields of Automation, Systems and Digitalisation, focused on empowering your business through technology.

Automation of processes. Connectivity to data sources, data registration and contextualisation, monitoring of KPIs.



Experts in Automation, Systems (Networking & Cybersecurity) and Digitalisation, focused on empowering your business through technology.



Experts in Automation, Systems (Networking & Cybersecurity) and Digitalisation, focused on empowering your business through technology.



- R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- ✓ Manufacturing & Production
- Distribution & Installation
- Marketing
- ✓ Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness



- Preservation of Water Resources
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- Combined Heat & Power
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- Hydrogen
- Energy Storage
- ✓ Energy Efficiency
- Hardware - Smart Metering
- ✓ Software - Digitalisation - Data
- Other(s)



PROJECTS IN AFRICA: South Africa, Algeria



SuperGrid Institute

Private - SME (less than 250 staff)
 Villeurbanne • France
www.supergrid-institute.com

Skills, services, products, technologies

SuperGrid Institute is a private R&I center encompassing expertise in HV & MV networks, energy conversion and DC systems. It offers value-added technologies and services to support the development of electric power systems that aim to increase energy efficiency and integrate RES into the grid.



The centre offers a complete range of technologies & services like training, innovation & technology transfer, high-end test platforms and expertise & consulting services: grid consulting services for on-grid and off-grid systems, PV/Wind power plant grid architecture, power electronics & conversion studies, modelling and design, etc.



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- Distribution & Installation
- Marketing
- Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness



- Preservation of Water Resources
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- Water Storage
- Wastewater Collection
- Wastewater Treatment
- Water Desalination
- Hardware - Smart metering
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- Other(s)



- ✓ Solar - PV
- Solar - Thermal
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- Other(s)



PROJECTS IN AFRICA: Tunisia, Morocco



SURTEC

Private - SME (less than 250 staff)
 Jarrie • France
 www.surtec.fr



R&D – R&I

- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- Distribution & Installation
- Marketing

Operations & Maintenance

- Dismantling & Recycling
- ✓ Training & Certification
- Education
- Promotion & Awareness

Skills, services, products, technologies

Off-grid or self consumption system designer. Hybridation of PV, wind turbine, hydro power, genset, grid and storage.

6 CLEAN WATER AND SANITATION



Solar pumping, water potabilisation

7 AFFORDABLE AND CLEAN ENERGY



Multitechnology PV panels, wind turbines, water turbines, multitechnology storages, energy management, monitoring.



- Preservation of Water Resources
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- ✓ Micro-grids
- Hydrogen
- ✓ Energy Storage
- Energy Efficiency
- Hardware - Smart Metering
- Software - Digitalisation - Data
- Other(s)



PROJECTS IN AFRICA:
 Benin, Togo, Ivory Coast, Senegal, Burkina Faso



Terravolt

Other

Montreuil • France

www.terravolt.fr

Skills, services, products, technologies

Committed to the ecological and social challenges of our time, TerraVolt is promoting alternative energy and off grid solutions based on waste thermochemical conversion.

6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



Terravolt is working on small scale thermochemical process (gasification, pyrolysis) using waste (municipal and biomass) as raw material to produce heat, cold and electricity.



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- ✓ Funding
- ✓ Manufacturing & Production
- ✓ Distribution & Installation
- ✓ Marketing
- Operations & Maintenance
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- Training & Certification
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Preservation of Water Resources
 Water Catchment
 Water Treatment
 Water Quality Control
 Water Adduction/Transport
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 Water Storage
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 Other(s)



Solar - PV
 Solar - Thermal
 CSP (Concentrated Solar Power)
 Off-shore Wind
 On-shore Wind
 Hydropower

- ✓ Combined Heat & Power
- ✓ Geothermal
- ✓ Biomass - Biofuel
- ✓ Micro-grids
- ✓ Hydrogen
- ✓ Energy Storage
- ✓ Energy Efficiency
- Hardware - Smart Metering
- Software - Digitalisation - Data
- Other(s)



PROJECTS IN AFRICA:

Burkina faso, Togo, Benin, madagascar, Morocco



Trivelli Energia srl

Private - SME (less than 250 staff)
Casteggio • Italy
www.trivellienergia.com



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- ✓ Funding
- ✓ Manufacturing & Production
- ✓ Distribution & Installation
- ✓ Marketing
- ✓ Operations & Maintenance
- ✓ Dismantling & Recycling
- ✓ Training & Certification
- ✓ Education
- ✓ Promotion & Awareness

Skills, services, products, technologies

Trivelli Energia is a European company based in Italy, which deals at 360 ° with renewable energy, from the design and subsequent production, installation of solar energy systems for energy use and water treatment, including desalination and sterilisation of drinking water.

It is developing for the agricultural sector in particular for the production of milk the whole chain concerning the treatment and management of milk from the farmer to the dairy with solar energy pasteurisers and coolers.

6 CLEAN WATER AND SANITATION



For the water sector, Trivelli Energia has conceived, designed and built prototypes of very low energy consumption desalination plants and energy recovery water sterilisers. All technologies are proprietary and patented.

7 AFFORDABLE AND CLEAN ENERGY



For the energy sector, Trivelli Energia is creator, designer and manufacturer of modular concentrating solar panels that are able to have a high efficiency and can heat various fluids such as water, diathermic oil, steam, air and/or compressed gases in the temperature range from 60 to 300°C. These solar concentrators integrate perfectly with the food, textile, chemical, beverage, distillation industry, and are also suitable for providing both hot and cold energy for water treatment, hotels and swimming pools.



- Preservation of Water Resources
- Water Catchment
- ✓ Water Treatment
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- Hardware - Smart metering
- Software - Digitalisation - Data
- ✓ Other(s)



- Solar - PV
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- Software - Digitalisation - Data
- ✓ Other(s)



PROJECTS IN AFRICA: Senegal, Maroc, Egypt.



Tucai

Private - SME (less than 250 staff)
 Barbera del valles • Spain
 www.tucai.com

Skills, services, products, technologies

Experts in water flexible connectors, hoses and valves manufacturer. The company has an anti-fraude water valve patented.

6 CLEAN WATER AND SANITATION



Tucai designs, produces and sells water flexible connectors and valves for sanitary, heating and HVAC.

7 AFFORDABLE AND CLEAN ENERGY



- ✓ R&D – R&I
- Studies - Design - Consultancy
- Funding
- ✓ Manufacturing & Production
- Distribution & Installation
- Marketing
- Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness



- Preservation of Water Resources
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- Water Quality Control
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- Wastewater Treatment
- Water Desalination
- Hardware - Smart metering
- Software - Digitalisation - Data
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- Solar - PV
- Solar - Thermal
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- Biomass - Biofuel
- Micro-grids
- Hydrogen
- Energy Storage
- Energy Efficiency
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- Software - Digitalisation - Data
- Other(s)



PROJECTS IN AFRICA:
 Morocco, Egypt, South Africa, Madagascar



Unex aparellaje electrico
 Private - SME (less than 250 staff)
 Hospitalet de Llobregat • Spain
 www.unex.net

Skills, services, products, technologies

Unex is a 57-year specialist manufacturer of non-metallic cable management systems with head office in Barcelona and manufacturing in Spain, with 28 branches in several countries and delivering to more than 50 countries.

6 CLEAN WATER AND SANITATION



Corrosion-resistant non-metallic thermoplastic Cable Management Systems such as Cable Trays, Ladders, and Ties made of their own formulated raw materials. These insulating solutions have very high durability and contribute to low OPEX costs and higher electrical safety for the installation. Unex has more than 4 years of existing installations in several countries' water sectors.

7 AFFORDABLE AND CLEAN ENERGY



Corrosion-resistant non-metallic thermoplastic Cable Management Systems such as Cable Trays, Trunkings, Cable Ties made of their own formulated raw materials. These electrically insulating solutions have very high durability under severe and prolonged UVs and contribute to low OPEX costs, better reliability and higher electrical safety for the installation.



R&D – R&I

Studies - Design - Consultancy

Funding

- ✓ Manufacturing & Production
- Distribution & Installation
- Marketing

Operations & Maintenance

Dismantling & Recycling

Training & Certification

Education

Promotion & Awareness



- ✓ Preservation of Water Resources
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- ✓ Solar - PV
- Solar - Thermal
- ✓ CSP (Concentrated Solar Power)
- ✓ Off-shore Wind
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- Geothermal
- Biomass - Biofuel
- Micro-grids
- Hydrogen
- ✓ Energy Storage
- Energy Efficiency
- Hardware - Smart Metering
- Software - Digitalisation - Data
- Other(s)



PROJECTS IN AFRICA:

Morocco, Tunisia, Algeria, Egypt, Senegal, Malawi, South Africa, Namibia, Mozambique, Angola, Reunion, Mauritius



Waterologies

Waterologies SL

Private - SME (less than 250 staff)
Igalada • Spain
www.waterologies.com

- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- ✓ Funding
- ✓ Manufacturing & Production
- ✓ Distribution & Installation
- ✓ Marketing
- ✓ Operations & Maintenance
- ✓ Dismantling & Recycling
- ✓ Training & Certification
- ✓ Education
- ✓ Promotion & Awareness

Skills, services, products, technologies

United Nations supplier nº 466753 in Water Emergency devices and in remote places. Waterologies has developed a mini-device that can clean large amount of water connected to a solar panel, battery, even a smartphone, removing 99,99% of bacteria and 100% of turbidity. Solutions from 3w to 100w.

Waterologies designs, manufactures and supplies compact water treatment plants with a plug & play installation, with remote management to ensure proper operation and proper maintenance.

Experts in microfiltration, ultrafiltration, nanofiltration and reverse osmosis.

It carries out Industrial Symbiosis, treating industrial water effluents and transforming the waste from these treatments into valuable products.

Circular Economy.



- ✓ Preservation of Water Resources
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- ✓ Solar - PV
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- Micro-grids
- Hydrogen
- Energy Storage
- ✓ Energy Efficiency
- Hardware - Smart Metering
- Software - Digitalisation - Data
- Other(s)



Special low power devices for emergency and remote places for clean water.
Water treatment plants with a plug & play installation.



Solar solutions for water treatment.



PROJECTS IN AFRICA: Guinea, Madagascar



WATURA

Watura

Private - SME (less than 250 staff)
 Saint-Ouen • France
 watura.fr



R&D – R&I

Studies - Design - Consultancy

Funding

Manufacturing & Production

Distribution & Installation

Marketing

Operations & Maintenance

Dismantling & Recycling

✓ Training & Certification

Education

Promotion & Awareness

Skills, services, products, technologies

Watura created in 2018 the first e-learning platform for vocational training for water and sanitation professionals. Aim of the company is to use training as a way to better manage water.

Watura works mainly in France, and is looking to expand its business in North Africa and West Africa.

Watura offered face-to-face training that faces several challenges: the lack of time and resources and a growing need for flexibility. Watura also specialises in blended learning, in the technical fields. The company has developed the 1st digital training platform dedicated to the water and sanitation professionals. Today, it is able to offer a blended learning experience, combining digital and face-to-face training in order to save time and resources.

Watura community includes 30 experts from private companies (Suez, Veolia, etc.), local authorities (Rouen Metropolis, etc.) and universities (ENSC Rennes, etc.).

Watura works with local authorities and private companies, in France and abroad, including in developing countries (Cameroon, Cambodia, Azerbaijan, etc.).

Watura has also created a digital learning catalogue dedicated to water and sanitation professionals.



- ✓ Preservation of Water Resources
- ✓ Water Catchment
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- ✓ Hardware - Smart metering
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- Other(s)



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- Energy Efficiency
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- Other(s)



The company helps water professionals improve their knowledge on water distribution and treatment, for better resource management and healthier communities.



PROJECTS IN AFRICA:

Benin, Cameroon, Ivory Coast, Morocco (H2O Maghreb with UNIDO)



Wave for Energy Srl
 Private - SME (less than 250 staff)
 Torino • Italy
 www.waveforenergy.com

Skills, services, products, technologies

Wave for Energy is a spinoff company from Politecnico di Torino Engineering School, born to develop, industrialise and commercialise innovative renewable energy generation technologies in an offshore environment.

The Wave for Energy team has more than 50 years of collective experience in designing, prototyping, testing, and developing technologies to generate energy from offshore renewable energy sources.

Wave for Energy is developing integrated wave-wind-solar energy generation technologies for the production of clean desalinated water. The systems can be used for small-scale applications, offshore or near shore, or for powering large desalination plants. The nexus between offshore renewable energy generation and water desalination is a win-win solution since desalinated water represents a great solution to convert and store the intermittent generation potential of the energy sources.

The first technology developed by W4E is the ISWEC wave energy converter. This technology has been licensed to Eni Spa and W4E is still involved in engineering, optimisation and development activities. The company has been developing an integrated point absorber wave energy converter integrating also wind and solar technologies. This system can be scaled down for small-scale applications and scaled up for large-scale installations.



- ✓ R&D – R&I
- ✓ Studies - Design - Consultancy
- Funding
- Manufacturing & Production
- Distribution & Installation
- Marketing
- ✓ Operations & Maintenance
- Dismantling & Recycling
- Training & Certification
- Education
- Promotion & Awareness



- Preservation of Water Resources
- Water Catchment
- Water Treatment
- Water Quality Control
- Water Adduction/Transport
- Water Distribution
- Water Storage
- Wastewater Collection
- Wastewater Treatment
- ✓ Water Desalination
- ✓ Hardware - Smart metering
- ✓ Software - Digitalisation - Data
- Other(s)



- Solar - PV
- Solar - Thermal
- CSP (Concentrated Solar Power)
- ✓ Off-shore Wind
- On-shore Wind
- Hydropower
- Combined Heat & Power
- Geothermal
- Biomass - Biofuel
- ✓ Micro-grids
- Hydrogen
- Energy Storage
- Energy Efficiency
- Hardware - Smart Metering
- Software - Digitalisation - Data
- ✓ Other(s)



PROJECTS IN AFRICA:



WE&B

Private - SME (less than 250 staff)
 Sant Quirze del Vallès • Spain
www.weandb.org



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Skills, services, products, technologies

WE&B (Water, Environment and Business for Development, SL) is a specialised environmental consulting company. By way of a cross-disciplinary focus, WE&B integrates social and business systems to solve complex environmental problems.

WE&B also undertakes a full diagnosis of a product, industry, sector or economy with insights, action plans and recommendations to bring it in line with circular economy principles.

WE&B can develop social network analysis (SNA) that provides insights into the power, influence and networking ability of the organisations within the water and energy sectors.



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6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



PROJECTS IN AFRICA:
 Different active projects throughout Africa



WeCo Toilets

Private - SME (less than 250 staff)
 Choisy-le-Roi • France
www.weco-toilet.com

Skills, services, products, technologies

WeCo Toilet innovates in the field of toilets and sanitation by offering the first autonomous toilets with recycled water flush. The user experiences a standard flushing toilet while profiting from a sustainable process that eliminates the waste of fresh, clean water for flushing.

The first target application is in public toilet facilities, but the solution can easily be adapted to alternative applications. Integration of solar PV on the roof fulfills the energy demands for the processing of the effluent. Training and connection to local service providers gives the expertise needed to maintain and service the operating unit.

WeCo autonomous toilets use a novel dual-technology process to treat and recycle blackwater for flushing that eliminates the need for fresh water input and effluent sewer connections. Blackwater effluent is transformed into fresh water for recycling and natural fertilizer in an innovative and sustainable process. IoT allows remote monitoring and engagement with local services to manage and maintain the toilet. This innovative technology saves 97% of clean water for flushing the toilets.



WeCo toilets are incorporating solar energy sources into the design of the toilet block that can power the treatment reactor. The toilet block is thus autonomous from fresh water input, effluent sewer connections and the energy grid.



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PROJECTS IN AFRICA: Senegal, Ivory Coast



Well Pumps

Private - SME (less than 250 staff)

Fleurus • Belgium

www.wellpumps.eu



R&D – R&I

Studies - Design - Consultancy

Funding

✓ Manufacturing & Production

Distribution & Installation

Marketing

Operations & Maintenance

Dismantling & Recycling

Training & Certification

Education

Promotion & Awareness

Skills, services, products, technologies

Well Pumps is a manufacturer of water pumps and solar pumping solutions.

Well pumps offers solar pumping solutions for all the range of pumping (surface pumps, borehole pumps, sewage pumps, swimming pool pumps,...) for powers up to 220 kW with a patented hybrid solution for continuous operations (AC and DC power sources blended).

6 CLEAN WATER AND SANITATION



Well Pumps manufactures fully integrated solar pumping solutions, for all type of pumps, all powers up to 22 kW and fully automatic and patented Hybrid solar pumping systems (AC and DC power sources).

7 AFFORDABLE AND CLEAN ENERGY



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PROJECTS IN AFRICA:

Morocco, Senegal, Ghana, Nigeria, Djibouti, Ethiopia, Sudan, Tanzania, Uganda



Co-funded
by the COSME programme
of the European Union



For more information on:

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- Tunisian companies please contact Environment Park (Italy) :: www.envipark.com :: giulia.razetti@envipark.com
- the AEWEN project please contact CWP (Spain):: :: www.cwp.cat :: comunicacio@cwp.cat



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