









Current systems limitations

ESM Systems: Renewable energy optimization

About us

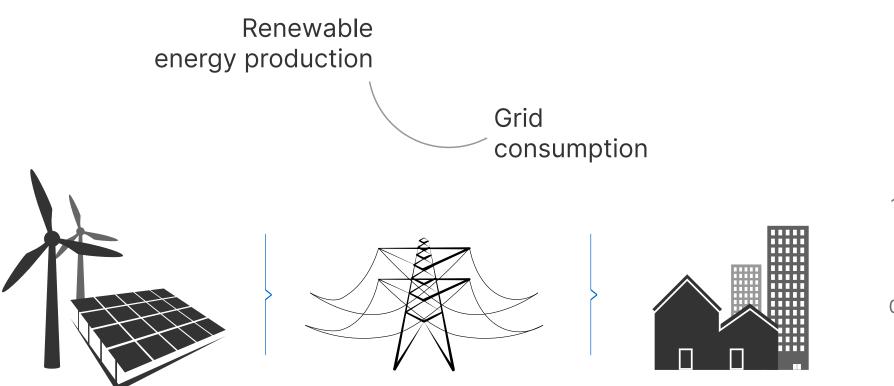


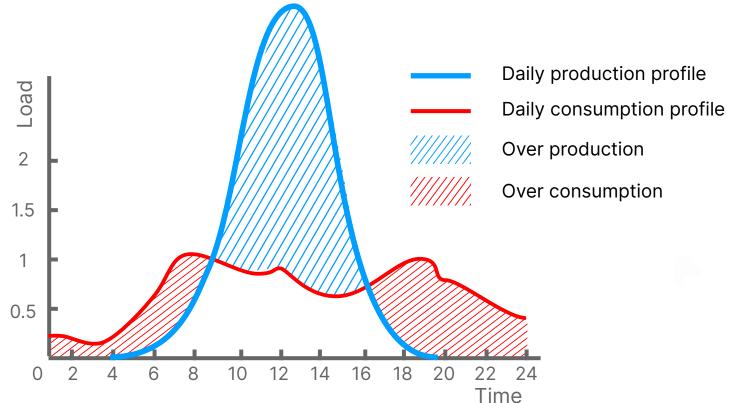
Current systems limitations

CYCLIC POWER DEFICIENCY

Renewable energy direct connection







Renewable energies provide unstable output.

Because the power demand is not continuous, the output production from renewable energy does not match the needed supply in time.

A direct connection does not allow a stable supply of energy, therefor a stabilization or backup system is required to provide energy according to power demand.

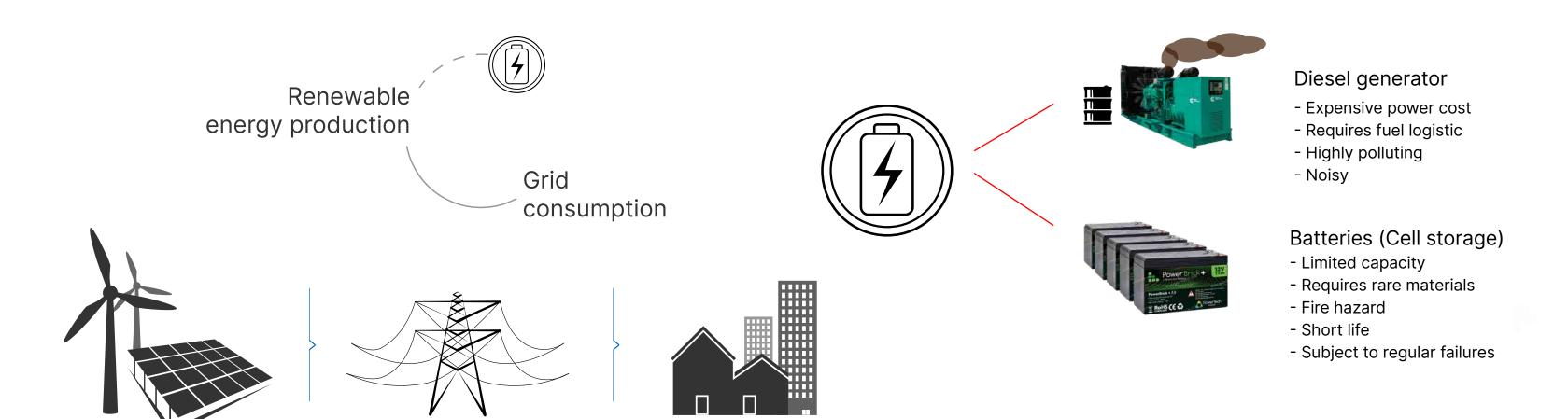




CLASSIC SOLUTIONS

Renewable energy with backup systems





Many workable solutions exist but they do not solve all problems.

Drawbacks and dangers of Diesel Generators and Batteries are well known. From fire safety to noise and environmental problems, existing solutions have strong limitations.





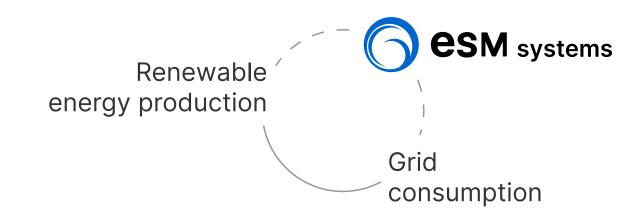


ESM Systems: Renewable energies optimization

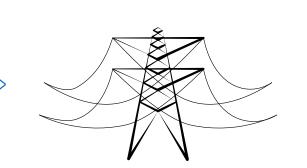
RENEWABLE ENERGY WITH ESM SYSTEMS

Long term energy storage and management

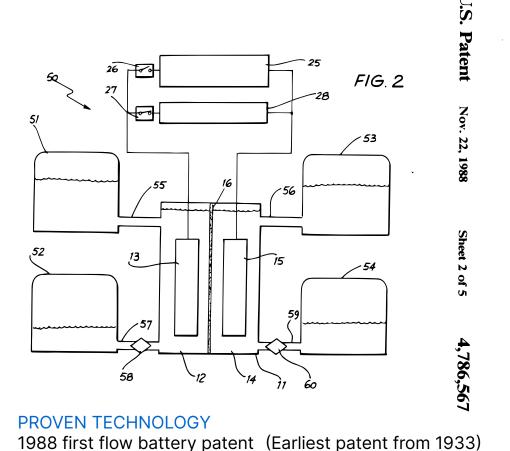












KEY POINTS:

- No rare material
- Safe
- Long lifespan
- Low maintenance

Based on an existing and proven technology, ESM systems totally redefine Energy storage.

ESM systems allows to store and manage energy production and supply in a completely autonomous way during the entire year.

Totally stable and safe, the system is also easy to maintain and repair. With a long lifespan that overrun any classic solution, it is also more economical on the long run.

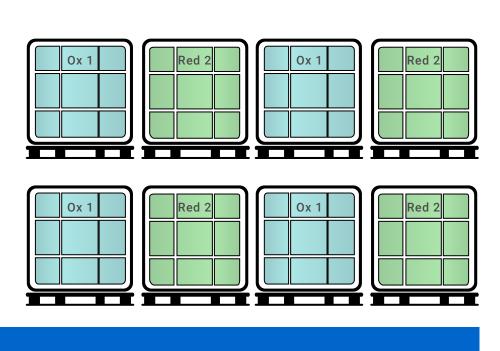




ENERGY STORAGE PRINCIPLE

Electrolyze based system

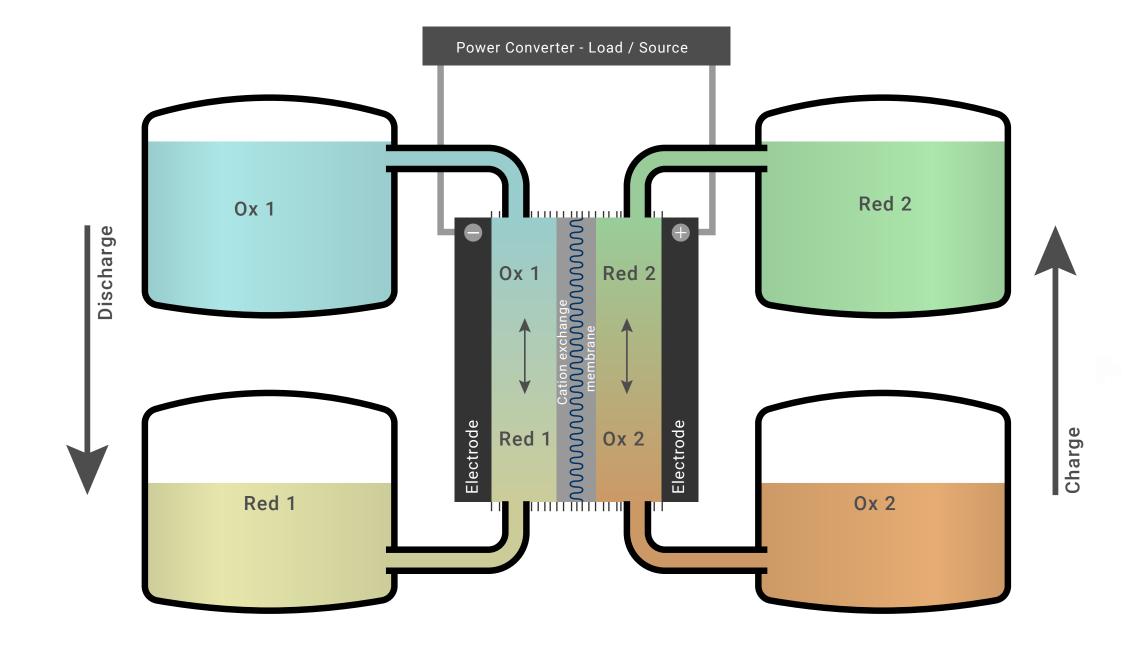




Charged electrolyte can be stored for later use

Lithium free Vanadium free Lead free

Natural elements based electrolyte



Proton exchange system - > store energy in liquid electrolyte then supply energy from charged liquid electrolyte

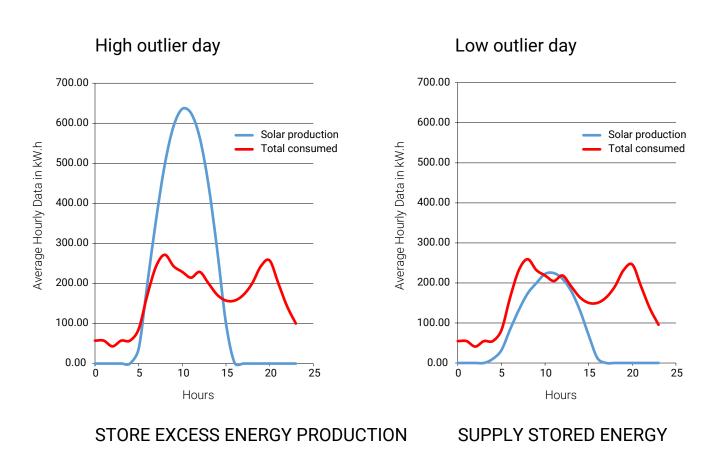




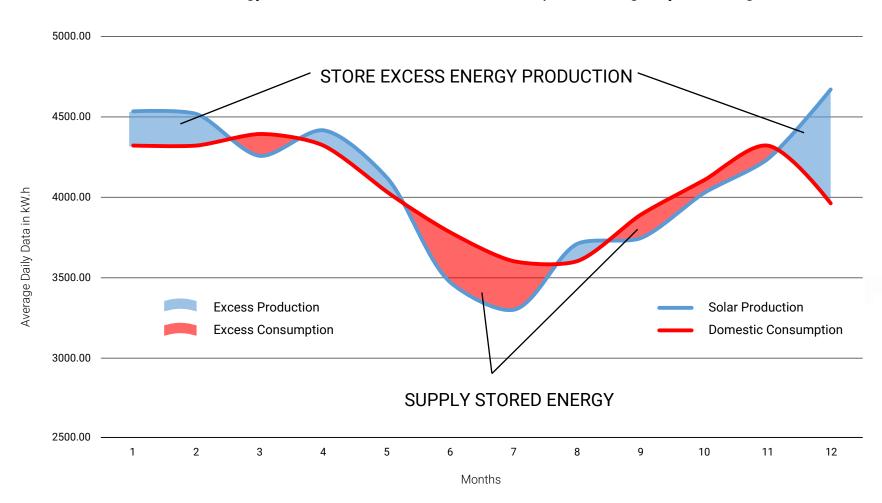
STABILIZATION ACROSS 365 DAYS

Outlier days compensation





Solar Energy Production and Domestic Consumption through a year in Lagos



ESM systems are dimensioned to match the demand on a year long basis. They are not sized to match low outlier day.

Cyclic power production is taken care of by our system, assuring energy supply all day of the year!

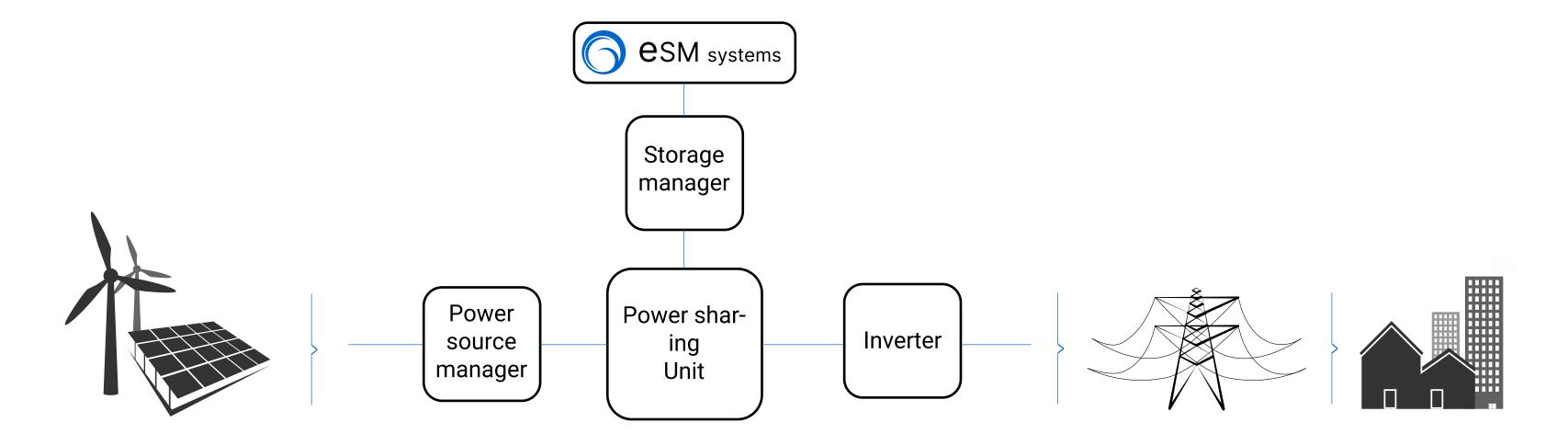




ESM SYSTEMS INTEGRATION

Smart energy management





ESM systems use common industrial technology to connect to the network.
ESM systems is revolutionary approach using only existing and proven technology.

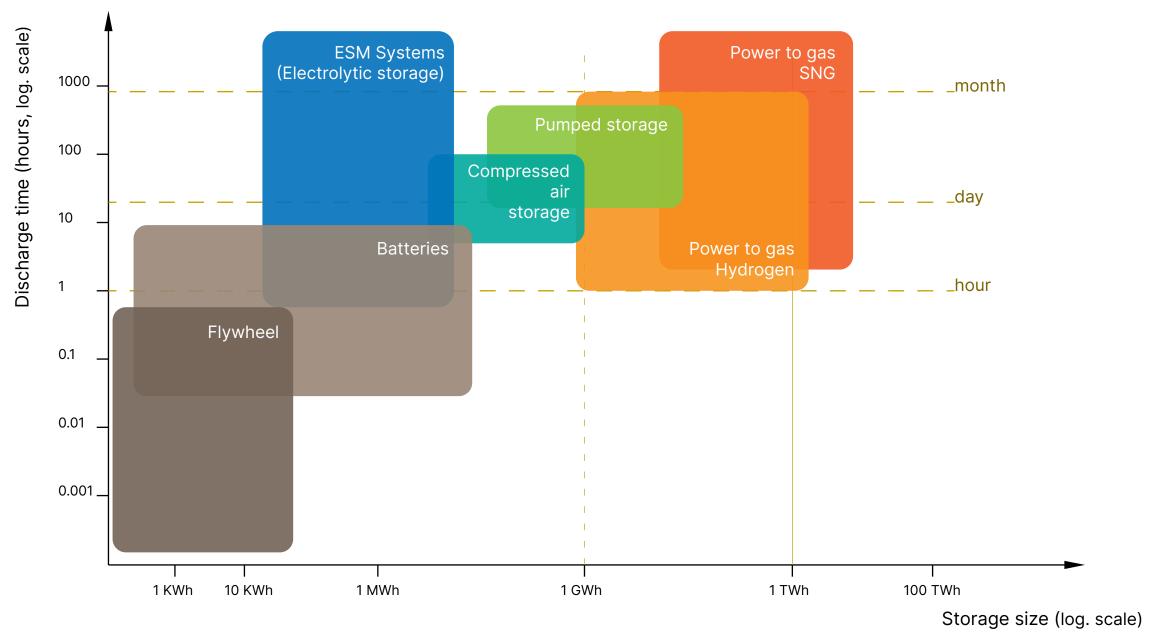




COMPARISON OF ENERGY STORAGE

ESM systems

Storage technology usage

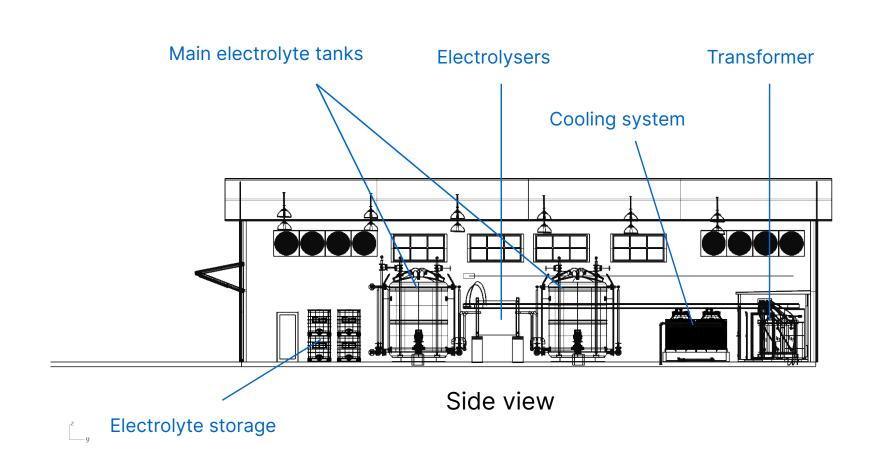


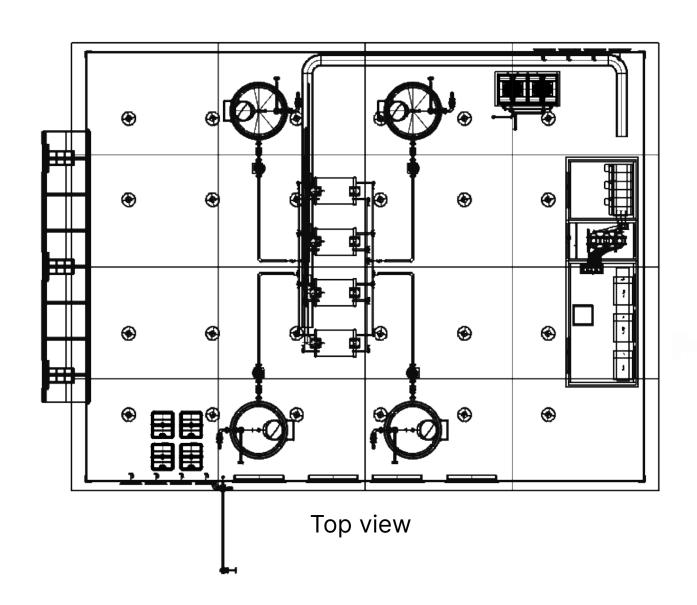
[Source : De Nora, denora.com | Scale : log.]

ESM Systems has its own position among other energy storage solutions.

Drawings







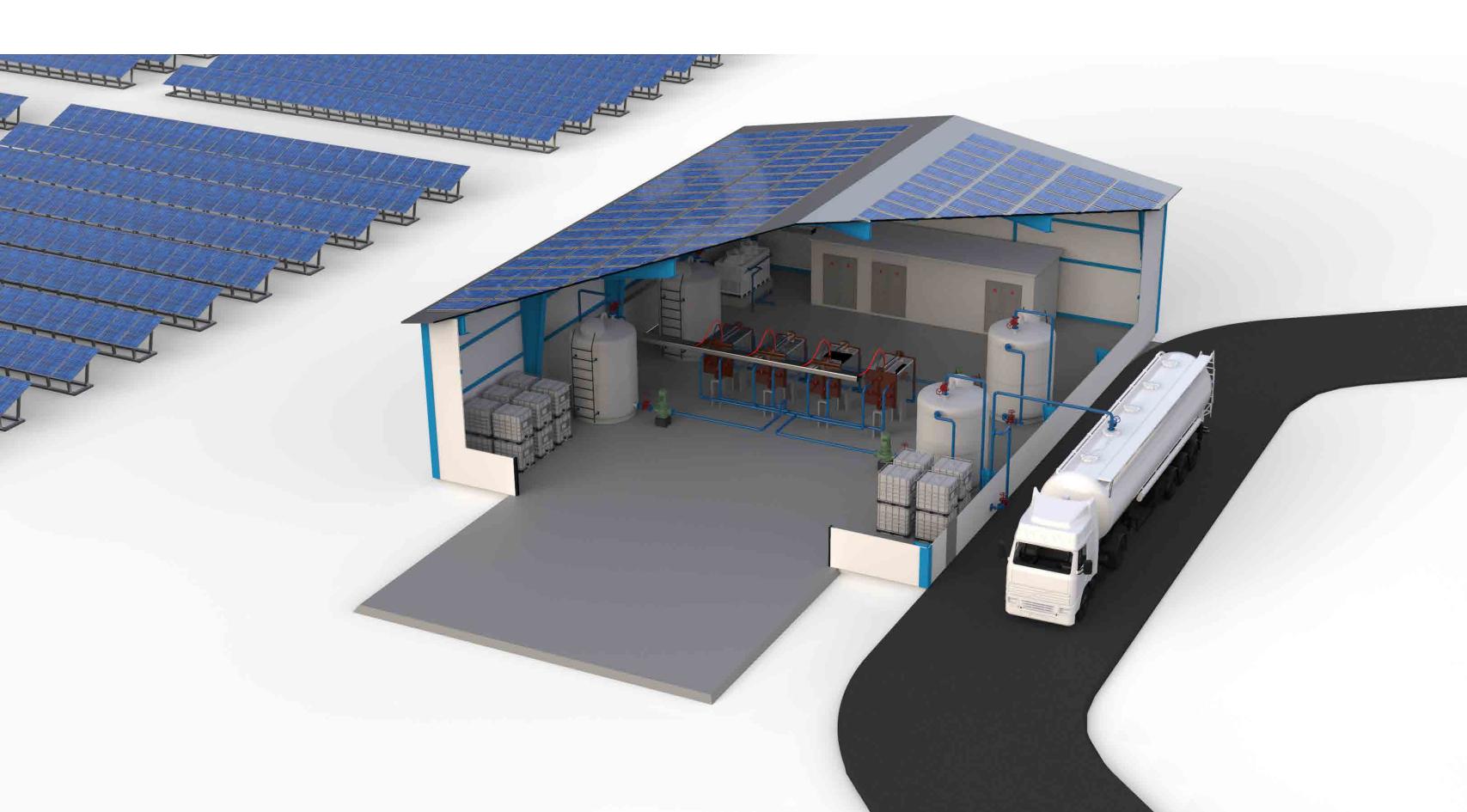
Simply protected from the weather, ESM Systems remain a simple installation. The size of the different components are based on local needs. Our experience in building such installations allow us to optimize workability and maintenance.





Overview





Indoor installation





Access







About us





Established in France in 1997, TECHLINK is a leading solutions provider in Flow Control, Filtration, Heat Exchange and Energy Recovery, Instrumentation and On-line Analysis for processes handling corrosive, abrasive and toxic chemicals. We are committed to serve industries for which quality and reliability are critical for the safety of people and preservation of the environment. With a presence in France, India, Thailand and China, and representations in major Asian countries, TECHLINK designs solutions for process industries to:

- Improve availability and performance
- Reduce operational costs
- Enhance safety
- Save power and recover energy
- Achieve and/or maintain environmental regulatory compliance
- Simplify management





Customer satisfaction is the core focus of our everyday's life.

TECHLINK has earned a robust reputation among its clients based on trust, commitment, transparency and dedicated follow-up. Trust us, as do major chemical companies in Asia, pulp-mills, copper smelters etc..

Among which:



























Created in 2002 in Vientiane, NEW LINK LAO became a leader in promotion, distribution and services of technologies in Lao PDR.

Our mission is to open an access for advanced Technology and offer a platform of knowledge and exchange in support to developments projects in emerging countries.

Our services cover:

- Diagnostic
- Design
- Engineering
- Manufacturing
- Promotion

- Stock
- Delivery
- Installation
- training
- Maintenance





With the support from international engineers and worldwide manufacturers, New Link Lao has developed successful reputation through majors industries, organizations and institutions in Lao PDR.

They trust New Link Lao:



























Get in touch with us for an analysis of your needs and a custom solution.

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