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Smart Storage solutions – PV & Hydropower plant developer

COMPANY

Since 2008, HYSEO has developed the concept of a farm building financed through a solar power plant mounted on its roof. Over 560 projects, representing 150 MWp, have been set up by HYSEO in 5 years – from which 210 Projects for EDF EN, shareholder of HYSEO.

HYSEO expanded into the area of hydroelectricity by developing projects for new power plants and buying up a hydraulic turbine company.

This 6 years experience made HYSEO a specialist in setting up solar and hydroelectric power plants. HYSEO is an integrated operator with skills in all fields: design, development, construction, electricity production and operation-maintenance of power plants.

Anticipating the evolution towards self-sufficiency, HYSEO has decided to turn to independent systems of energy production management associated with storage Lithium Ion batteries. It offers a full range of applications under the GENISYS brand name. This new concept enables HYSEO to ramp up and extend its export activity via HYSEO International.



SERVICES

HYSEO's core business is to provide renewable energy solutions for sustainable development.

HYSEO offers a diverse range of products and services, including:

- The development of ground-based power plants
- The development of roof-mounted solar power systems on new or existing buildings
- The purchase and modernization of hydroelectric power plants
- The marketing of Genisys products, independent energy systems with innovative lithium-ion batteries.

For these services, rich of its know-how, HYSEO provides its skills in:

- Design and sizing of projects
- Technical engineering
- Legal and administrative development
- Project construction and connection to national grid
- Financial engineering
- Operation and maintenance



PRODUCTS

Smart storage solutions

In addition to photovoltaic and hydropower plants, HYSEO proposes smart storage solutions.

GENISYS is the synergy of high-tech Lithium-ion batteries and a management system to create an intelligent energy optimization solution. It manages several renewable energy inputs (solar panels or wind energy) mixed with conventional energy sources (grid or Genset) and allows multiple operating modes to be set according to each specific situation.

With the GENISYS solution, HYSEO is the way forward for an alternative solution in energy:

- Self-sufficiency
- Maximum exploitation of the renewable energy produced
- Optimization of tariffs on a hybrid configuration
- Reliable electrical back-up and independence



Solar led street lighting

HYSEO proposes solar LED street lighting. This new product associates high-tech pocket-sized batteries to solar panel and LED lights. Such a combination of high efficient technologies allows to create a street lighting with multiple assets:

- Autonomous lighting system: no network connection
- High performance LED lights
- Autonomy up to 3 nights

Many applications : highway, parks, etc.



	GENISYS Comfort MODELE	
	Single phase	Three-phases
PV input	3 / 6 / 9 up to 36 kWp	6 up to 18 kWp
Storage	5 / 10 / 20 kWh	6 up to 50 kWh
AC Output	110 / 230 VAC 50 / 60 Hz	400 VAC 50 / 60 HZ

INTERNATIONAL PRESENCE

HYSEO International exports the engineering and know-how of the HYSEO team throughout the world.

HYSEO International offers HYSEO products and services in all continents thanks to a network of agents based in different countries. It is already represented in Lebanon, Saudi Arabia, Emirates, etc.