

EUROPEAN UTILITY WEEK



**12 > 15 november 2019**

Discover the SMILE exhibitors and visit  
**the top French  
smart grids sites in  
Bretagne & Pays de la Loire.**

# Come and meet the SMILE exhibitors at the European Utility Week

12 > 14 november 2019 - Booth G60

# business # network # smart grids projects



## Digital Images & Réseaux [www.images-et-reseaux.com/](http://www.images-et-reseaux.com/)

The **Digital Images & Réseaux** and TES clusters are preparing for their merger. Their mission is to unite the forces of the western France through ambitious digital research and innovation projects that contribute to economic development and the evolution of society, thanks to the collaboration of large companies, SMEs, Academics and Territorial Communities together.



## Dropbird [www.dropbird.fr](http://www.dropbird.fr)

**Dropbird** develops a complete smart charging solution for electric vehicles; Drop'nplug. Thanks to the production and storage of renewable energy and a smart energy management system, Drop'nplug optimizes the charging times while parking and avoids peaks of consumption on the electric network.



## E4V [www.nemeus.fr](http://www.nemeus.fr)

**E4V** expertise is based on its know-how in electrochemistry and battery management system to provide safe, efficient and sustainable solutions (no heavy metals, thousands of cycles, no flame upon ingress). **E4V** applies its knowledge on energy storage for mobile and stationary application (>20 000 vehicles). **E4V** is offering a wide range of solutions for stationary applications, from modular solutions to high density and performance racks (5 kWh up to several MWh).



## ENERFOX [www.enerfox.fr](http://www.enerfox.fr)

**ENERFOX** develops connected solutions dedicated to renewable energy auto-consumption; for professional activities only (agriculture, public & private buildings, industries). Thanks to its PLUG & PLAY technology and its internal algorithms, our solution tracks, analyses and smartly pilots your energy consumption. Your local over-production is stored inside your own existing electrical equipment. **ENERFOX** balances and optimizes the energy flux between your site's needs, your local production and storage. balances and optimizes the energy flux between your site's needs, your local production and storage.



## Energency [www.energency.com](http://www.energency.com)

**Energency** is an innovative industrial energy performance analytics software, developed by 25 people in Rennes, France, and founded in 2013 by INRIA top data scientists and experimented engineers in manufacturing. Our technology is dedicated to Industry 4.0, bringing together big data, cloud and artificial intelligence in order to enable big manufacturing companies to detect and achieve up to 20% new energy savings without Capex.



## Entech <https://entech-se.com/>

**Entech smart energies** is an innovative company expert in the integration of energy conversion and storage for diverse on-grid and off-grid applications. We offer optimized energy solutions for smart grids to enhance the new uses of energy. big manufacturing companies to detect and achieve up to 20% new energy savings without Capex.



## LACROIX [www.lacroix-group.com](http://www.lacroix-group.com)

**LACROIX** Group provides connected, secure equipment for the management of smart road infrastructure (street lighting, traffic management and regulation, signage, V2X) through **LACROIX** City and for the management of water and energy infrastructure through **LACROIX** Environment that integrates **LACROIX** Sofrel and SAE IT Systems companies.



## Nemeus [www.nemeus.fr](http://www.nemeus.fr)

With more than 15 years of experience in HW/RF and embedded software, **Nemeus** team is specialized in the design and manufacturing of radio devices incorporating sensors for Internet of Things (IoT). Since 2015, **Nemeus** has provided first class solutions which integrate LoRaWAN™ and SIGFOX™ onto one transceiver.



## Nke WATTECO [www.nke-watteco.com](http://www.nke-watteco.com)

**Nke WATTECO** designs and manufactures LPWAN radiofrequency transmitter sensors. **Nke WATTECO**, a French company, specializes in the capture of physical quantities, industrial environmental data, buildings, transport and the transmission of this information over long-range, low-speed, low-power (LPWAN) radiofrequency networks such as LoRaWAN private or public and SigFox, networks of the Internet of connected objects (IoT).



## S2E2 [www.s2e2.fr/en/home](http://www.s2e2.fr/en/home)

The **S2E2** cluster aims to favor competitiveness in the West of France regions. The cluster fosters innovation and stimulates collaboration between companies and laboratories in the form of R&D projects whose spin-offs are growth drivers for these companies.



## Smile <https://smile-smartgrids.fr/en/>

**SMILE** is a showcase of the french excellence in smart grids technologies to ensure energy transition and sustainable growth. This program is led by Pays de la Loire and Bretagne french Régions to support companies and territories in their energy solutions.



## SPHINX [www.sphinxfrance.com](http://www.sphinxfrance.com)

**SPHINX** is a pan-european specialist of data communication for IOT Infrastructure for Utilities, Smart Cities, Smart Grid. From collecting data from device (meters, ...) to the cloud on different technologies such as cellular and Lpwan technologies (LoRa, NB-IOT, LTE-M, 3G, 4G, 5G). **SPHINX** support in Europe KERLINK, a global provider of IOT Infrastructure and value-added service.



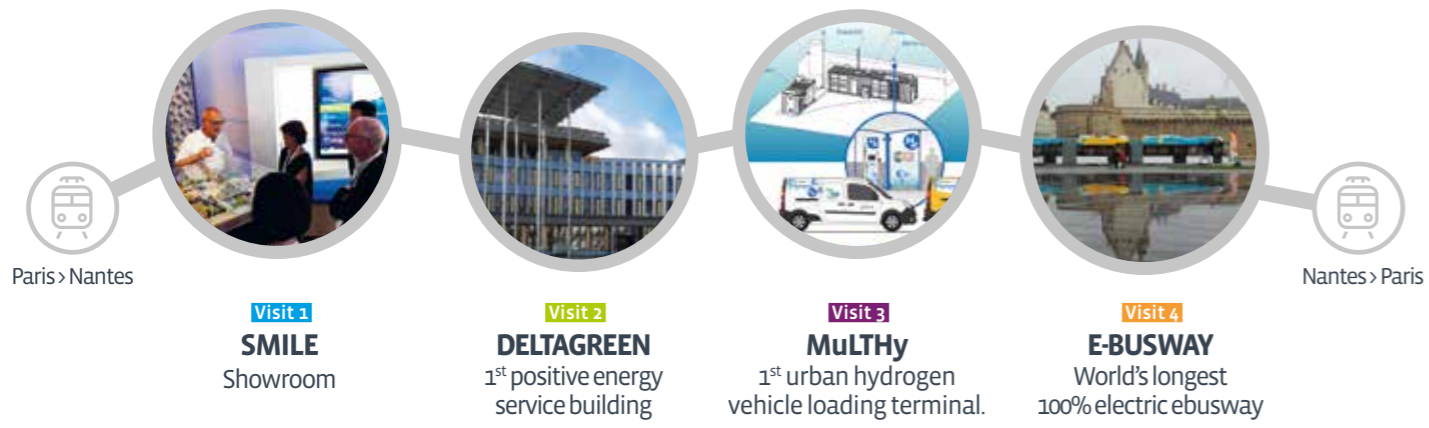
## West Grid Synergy [www.westgridsynergy.fr](http://www.westgridsynergy.fr)

**West Grid Synergy** is an ambitious smartgrid demonstrator for gas system in the West of France. The aim is to test technical and organization solutions for a high level green gas integration (from 35 to 120%), with the deployment, for example, of reverse flow units. **West Grid Synergy** is a multi-territorial and partnership project (partners: Morbihan Energies, SYDEV, SIEMML, GRTgaz, GRDF, Sorégies).



# SMILE TOURS IN PAYS DE LA LOIRE / NOVEMBER 15<sup>th</sup> - NANTES

## “HYDROGEN AND ELECTROMOBILITY” EXPERIENCE THE CARBON-FREE TRANSPORT OF THE FUTURE



### Smile showroom

a global vision of the Smile project, gathering more than 200 partners, and the 50 or so approved projects, supported by the Brittany and Pays de la Loire Regions.

### Deltagreen

is the first positive energy service building in France equipped with a stationary hydrogen application, led by Galeo, with Armogreen (Legendre Energie), Powidan, Issol, Sillia and Solarwatt partners

### MuLTHy

is a hydrogen production and distribution station for hydrogen vehicles, led by Semitan, with Nantes Metropole city, EDF, Eifer, ArevaH2Gen and Haskel partners

### Titi Floris

is an experimental site of blockchain and vehicle to grid solutions with EDF.

### The e-busway

is a high-level and high-capacity electric bus, led by Nantes Metropole city, with Semitan, ABB and Hess partners

[Register now !](#)

[www.european-utility-week.com/network/site-visits/buy-your-ticket#/](http://www.european-utility-week.com/network/site-visits/buy-your-ticket#/)

## “INTEGRATION OF RE AND FLEXIBILITY” EXPERIENCE A CITY TRANSFORMED BY SMART GRIDS



### La Fleuriaye

is located in the North of Nantes. It's one of Europe's largest positive energy districts. This project is led by LAD Sela, with its partners: la Commune de Carquefou; Enedis; Armogreen; La Fleuriaye - Technopole; Amocite; Energelio; Magnum; Padw; Aup; Vilogia; Samo; Artelia; Eiffage Construction; Albdo; Claude Figureau; Legrand

### Minerve

provides a solution for storage of renewable energy through methanation. This project is led by AFUL Chantrerie, with its partners: Engie, Grdf, Grt Gaz Ademe, Nantes Métropole, Sydela, Sydev, Pays de la Loire Region, Loire-Atlantique County Council, European Regional Development Fund

### ACR - Enedis

regional grid control agency - This agency is the only one in France to integrate 3 smart connection offers.

### Smile showroom

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# SMILE TOURS IN BRETAGNE / NOVEMBER 15<sup>th</sup> - RENNES

## “SMARTGAZ ROUTE”



SMILE (presentation during the ride to Locminé), a global vision of the Smile project, gathering more than 200 partners, and the 60 or so certified projects, supported by the Bretagne and Pays de la Loire Regions.

### The LIGER project

Based in the heart of Bretagne, France, the semi-public company LIGER has created a unique renewable energy center thanks to the production of energy from wood and organic waste. LIGER uses biomass from different sectors of activity in the region (local authorities, industry, agriculture) to produce heat, electricity, biomethane, biofuel and biofertilizer. By creating an ecosystem where the actors are interdependent, LIGER has become a fine example of circular economy.

### The West Grid Synergy

West Grid Synergy is an ambitious smartgrid demonstrator for gas system in the West of France. The aim is to test technical and organization solutions for a high level green gas integration (from 35 to 120%), with the deployment, for example, of reverse flow units. West Grid Synergy is a multi-territorial and partnership project (partners: Morbihan Energies, SYDEV, SIEMML, GRTgaz, GRDF, Sorégies).

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## “THE ELECTRIC GRIDS OF THE FUTURE”



### Enedis' Power grid control tower

Discover how Enedis manage 100 000 km of electric grid and provide power to 2 million of inhabitants in Bretagne. A model shows what happens in case of climate crisis and how Enedis uses smart solutions to detect the problem and repair it.

### The Smile showroom

a global vision of the Smile project, gathering more than 200 partners, and the 60 or so certified projects, supported by the Bretagne and Pays de la Loire Regions.

### Atl-en-tic

Driven by the slogan “From industrial data to reduced energy consumption”, the ALT-EN-TIC aims to provide a complete chain of services and expertise for manufacturers wishing to either create a chain of complete values (cross referencing data and energy), or to complete an existing project by adding a specific technological element (capturing data, cloud, storage, AI, etc.). Led by a consortium of companies : NKE Wateco, OET, Siemens, Energiency, Akajoule, Systovi, Entech SE, EnerDigit, EDF.

### Drop'n Plug

smart charging station, project led by Drop Bird, in partnership with SICAME, Eiffia, Seifel, IETR, Wi6labs, La Poste, Honda, Rennes Métropole, Nantes Métropole, Saint-Malo Agglomeration.

[Register now !](#)

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# Register now for a guided visit of the SMILE showroom !

# smart island  
# renewables  
# self consumption  
# smart building  
# green mobility  
# smart grids

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[www.smile-smartgrids.fr](http://www.smile-smartgrids.fr)

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Economic Development Agency



**BRETAGNE**  
DÉVELOPPEMENT  
INNOVATION