

# BELGIUM Pavilion of Frontrunners

The Belgian Pavilion hosts **10 Belgian companies who work hard to design the energy systems of the future.** They showcase state of the art solutions of what is being made in Belgium.

At our Pavilion you experience how innovative Belgian companies work on the challenges of smart grids, empowering consumers and balancing the energy market surfing on digital and AI technologies. Come and sense the strong collaboration that exists between partners of the industry, utilities, governments and R&D centres.

**Find us in Hal 8 (E70)**



## PAVILION EVENT

Wednesday - 01/12/2021 - 16.00

JOIN OUR PITCH SESSION WITH BELGIAN BEER CAFÉ



16:00	Start Belgian Beer Café
16:15	Grids
16:15	Trust digital substations?
16:22	How to solve congestion risks?
16:29	Importance of mission-critical telecommunication
16:45	Empowering consumers
16:45	Turn your customers into brand lovers by enriching interactions
16:52	Turn space-and water heaters into money and energy saving devices
17:00	Empowering consumers
17:00	Solutions for growing imbalance risks
17:07	Do's and don'ts of AI

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01/12	Belgium Frontrunnes on other stages
11:15	<a href="#">Technologies that enable Data Exchange</a> (Gerrit Jan Schaeffer) Summit
14:00	<a href="#">Grid Edge Flexibility and Use of AI</a> (Julien Le Baut) Grids Hub
14:40	<a href="#">Accelerating Technology Uptake with Living Labs</a> (Frederik Loeckx) Inspire Stage

**Ampacimon**  
Smart solutions for a dynamic grid



**haulogy**  
The Energy IT Company



**N-SIDE**  
OPTIMIZING YOUR DECISIONS

**opinum**

**OPTION**

**OTN Systems**

**ThermoVault**

**YUSO**

## Grids

### ***A digital substation, why we should(n't) trust it***

EnergyVille | Rick Loenders, power system automation, data science and project management

Digitalisation is a key enabler moving the energy transition forward, with substations, the nodes that connect and distribute energy, being a focus in this trend. Advancements in digital technology, communication and standards now make "digital substations" possible. While advantages seem obvious, adaptation has been slow for three main reasons: proven reliability, user trust and familiarity. Our experience in applied research addresses tools and methods exploiting digital substations in terms of reliability.

### ***Solve your congestion risks using haulogy AI solution***

Haulogy | Eric Vermeulen, Founder & Program Manager

The growing share of power generated by decentralised production units imposes to DSO's the implementation of an Active Network Management policy as it creates congestion problems in critical parts of the distribution networks. Thanks to the advanced artificial intelligence and optimisation technologies, the haulogy SANO software is able to learn the dynamics and behaviour of distribution systems, to best anticipate congestion risks using predictive techniques, and to determine appropriate control actions to reduce congestion risks. We will present our solution and several use-cases. We will present our solution and several use-cases.

### ***Easy, reliable and secure Operational Telecom***

OTN Systems | Johan de Bilde, Sales Director

OTN Systems is a leading supplier of mission-critical telecommunication solutions to industrial customers for more than 30 years. The company has developed a unique next generation platform tailored for the power utilities. XTran is a flexible, state-of-the-art product allowing customers to go full packet.

### ***Remote Physical Monitoring of Power Grids to Optimize Operation and Maintenance***

Ampacimon | Rena Kuwahata, Business Development Manager

Climate change, ageing grids, and renewable energy are exposing reliability, security, and affordability of our electricity to risk. Modern sensors can monitor the physical condition of power lines, cables, substations and the surrounding weather, providing early warning of critical limits and assess potential violation risk. Proven, off-the-shelf solutions can be installed to help power grid operators to improve power supply service quality and security without compromising affordability to the consumer.

## Empowered consumer

### ***Increase customer loyalty by optimizing the customer experience***

MECOMS | Mar Jorba, Product manager

Recent research shows that over 30% of all customers would stop doing business with a brand they loved after one bad experience. What would you do if you would lose one third of your customers? With MECOMS 365 we have extended the Microsoft Dynamics 365 functionalities specifically for the energy & utility providers, with a strong focus on Sales & Customer Service. Get to know your customers and improve customer interactions with rich Customer Engagement.

Thermovault | Sandra Iacovella, Founder & CEO

ThermoVault provides an all-in solution to transform electric space- and water heaters into energy-saving storage devices. This fully automated solution for already installed as well as factory appliances provides significant savings on consumers' heating bills at zero comfort loss, by optimising behind-the-meter tariffs (energy efficiency, self-consumption of PV power and peak shaving). In addition, all appliances are transformed into a profitable and cost-effective Virtual Power Plant, allowing to integrate more renewables into the electricity system.

## Energy Market & Grids

### ***Solving the imbalances challenges with RES***

Yuso

With offshore wind in Belgium expanding with approx 4 GW by 2030, our grid faces imbalance challenges as never before. At Yuso, we develop the balancing solutions needed to integrate the growing RES capacity. From batteries to dynamic energy contracts, we bring green investments directly to our customers.

### ***AI in real-life: Do's and Don'ts***

N-Side | Manoël Rekingier, Head of Product Design & Michael Malcorps, Senior Energy Consultant

An interactive session to showcase real-life applications of Advanced Analytics and Artificial Intelligence in the energy sector, in and outside Europe. Focus on what works... and what doesn't.

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