



# BELGIUM

@IOTSWC 2023

IOT Solutions World Congress

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Hall 4 - Booth E531

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BARCELONA

  
Wallonia.be



Wallonia has an excellent logistics infrastructure and «multimodality» is the keyword. **Liege Airport** was awarded the title of **best cargo airport in the world** for the year 2020. You will also find yourself well supported : the actors of the sector are gathered in the «Logistics in Wallonia» cluster.



# WALLONIA EXPORT & INVESTMENT AGENCY

The Wallonia Export & Investment Agency (AWEX) is the institution in charge of the development and management of Wallonia's domestic and international economic relations.

Through a personalized, innovative, and sustainable approach, AWEX supports Walloon companies - regardless of their size, sector, or target market - in every step of their international endeavors. This includes exports, technological partnerships, and development abroad.

The agency's vast network of connections ensures the best advisors are always by your side. Our local anchors and agents abroad are capable of providing unparalleled insight to take your company to the next level. In addition, our connections will help establish your business in the global marketplace and promote it throughout the world. Training, incentives, and international financing are also available.

AWEX is also committed to strengthening Wallonia's position as the premier gateway for international investors seeking success in the heart of Europe. We work closely with them to inform, convince, and advise in every stage of their development.

Feel free to get in touch with one of our local or international agents via our websites listed above.

In our network of more than 400 employees in nearly 100 countries around the world, there is always someone ready and willing to support you in your approach.

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## USEFUL ADDRESSES



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# AGENCE DU NUMERIQUE & DIGITAL WALLONIA

The Agence du Numérique is the public service body responsible for monitoring technological innovation and habits relating to digital technology, advising the Walloon Government and its departments on this area, and leading or coordinating operational or communication measures to support Wallonia's digital transformation by drawing on the Digital Wallonia strategy approved in December 2015.

What is Digital Wallonia?

A strategy. Adopted by the Walloon Government, it sets the priorities and goals for public policies and the support framework for private initiatives to promote the digital transformation.

A platform. Governed collaboratively by the Walloon digital ecosystem, it provides services and support to public and private players engaged in implementing the digital strategy.

A brand. Championed by all those involved in Wallonia's digital transformation, it guarantees their visibility and unites the initiatives implemented within the framework of the digital strategy.

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# INFOPOLE TIC

INFOPOLE is the business network that brings together and animates the community of Walloon digital players in order to accelerate their growth and innovation through partnership.

Creator of opportunities, stimulator of cross-sector innovation, the cluster is a major player in the following key technologies and ecosystems: Data Analytics / Big Data, IoT / Machine Learning, Cybersecurity, Embedded Systems / Internet of Things, Software and Apps. mobiles, Cloud, Digital Simulation, Industry 4.0, e-health, Smart Energy, Smart Mobility, Smart Cities, Smart Farming,...

Through its network of more than 130 members, INFOPOLE can help you to find the ideal partner whatever your IT project.

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# POLE MECATECH

Pôle MecaTech is a competitiveness Cluster in Mechanical Engineering based in Wallonia (Belgium), gathering 300 members (180+ companies, Research Centers, University labs). Our main mission is to setup collaborative innovation projects (R&D, training, Investment). With our network, more than 127 projects (370 million € of investment) have been engineered since 2006.

Our focus is on innovative products, equipment & processes with high added value in 4 technological fields:

- Advanced Materials ;
- Advanced Manufacturing ;
- Mechatronics,
- Data Technologies (IoT, IA ...)

Many application domains are covered by our network and our projects, such as Energy, Medical Devices, Defence & security, Mobility, Construction or Industry.

Pôle MecaTech is involved in several European projects on the topic of Industry 4.0 such as the DREAM and GEMSTONE projects (EUROCLUSTER, Single Market Programme), or WALHUB, a European Digital Innovation Hub for Wallonia (EDIH, Digital Europe Programme). MecaTech is involved as associated partner in several projects on the topic of Materials such as ALLIHENTROP (INTERREG), FA-FIL (INTERREG).

Pôle MecaTech is also responsible for the implementation of the regional circular economy plan Circular Wallonia on the fields of battery, metallurgy and mobility.

MecaTech is a network partner of EIT Manufacturing and EIT Raw Materials.

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## ORGANIZERS AND PARTNERS

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# AEONICS



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# B-SENS



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## COMPANY BACKGROUND

Aeonics is a software company that offers disruptive tech for B2B. It was created in 2020 with an international focus starting in Belgium and France.

## RANGE OF PRODUCTS OR SOLUTIONS

- Audit and consultancy
- Training and support
- Software licenses and maintenance

## ADDED VALUE / UNIQUE SELLING POINT

The world's first sustainable middleware to implement security by design applied to serverless microservices on premise. Aeonics provides expertise in sustainable IT and optimization of digital services. We promote total autonomy and independence through knowledge sharing and strong customer support.

## MAIN REFERENCES

Aeonics is involved in a dozen of Smart City projects with Eiffage Energies Systèmes i.e. to collect, normalize and deliver sensor data to protect the UNESCO world Heritage, or anticipate natural hazard.

## CERTIFICATIONS

Aeonics is an active member of the Institute for Sustainable IT and recognized expert in eco-design of digital services.



## COMPANY BACKGROUND

B-SENS is a Belgian high-tech SME company founded in 2016 based on more than twenty years of academic research in the field of optical fiber sensors.

## RANGE OF PRODUCTS OR SOLUTIONS

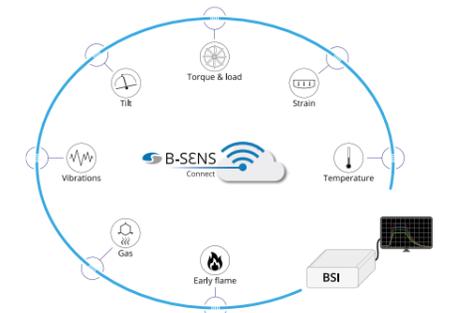
B-SENS develops OEM temperature and strain sensors based on optical fiber gratings. These full sensing solutions encompass cascaded Bragg gratings in telecommunication-grade optical fiber packaged for the target application (furnaces, machines, buildings, aircrafts, wind turbines, ...), multi-channel interrogator(s) and read-out software providing real-time data analysis and communication.

## ADDED VALUE / UNIQUE SELLING POINT

B-SENS has a unique added-value for the fiber Bragg grating (FBG) technology: bringing a sensitive layer for targeted physical and (bio)chemical sensing. Based on that, we have developed a flame detector based on optical fiber IR sensor and a hydrogen leak detector. We also offer our unique expertise to provide the best monitoring solution dedicated to the application requested by the customer.

## MAIN REFERENCES

We are supported by the Walloon region through funded R&D projects. We are also member of the Mecatech cluster. We have customers all over Europe.



# BLINQY



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## COMPANY BACKGROUND

BLINQY is a company specialized in Bluetooth® Low Energy devices digitalizing services and processes with Real Time Location System (RTLS) and sensor data collection.

## RANGE OF PRODUCTS OR SOLUTIONS

- a. BT-001 | BT-002 | BT-003 | BT-004: Small industrial and health-oriented tags
- b. BA-005(+) | BA-008(+) | BA-014: Anchor tags
- c. BW-001 | BW-004 | BB-001 | BB-002: Wearable tag including wristbands and badges

## ADDED VALUE / UNIQUE SELLING POINT

By developing ultra-low power embedded firmwares, BLINQY provides relevant data to integrators digitalizing companies with IoT devices. Appropriate data allows production analyses (vibration, temperature) and assets tracking (RTLS) with long-lasting and wireless devices.

## MAIN REFERENCES

Various integrators work with BLINQY technology. It is deployed in industries (digitization of production) and in more than 15 hospitals to optimize inventory, patient flow and asset tracking.

## CERTIFICATIONS

BLINQY IoT Devices are Bluetooth® Low Energy and Bluetooth® EPL qualified, CE Regulations (EU) FCC Regulations (USA), ISED Regulations (Canada) certified and RoHS & Reach conform



## COMPANY BACKGROUND

EQUANS Digital, specialists in ICT and Digital, brings together 6,000 experts in 17 countries and generates a turnover of €1 billion. Through projects at the heart of our clients' business processes, we have acquired a detailed knowledge of their activities and facilities.

## RANGE OF PRODUCTS OR SOLUTIONS

EQUANS Digital offers and integrates solutions over 8 key areas of expertise.

- 5 core expertise (BIM Services, Robotic Integration, Automation, Audiovisual & Video Services, Connectivity Services) corresponding to essential digital services,
- 2 extensive areas of expertise in data management and application development (Data Analytics, Artificial Intelligence services, Predictive Maintenance, Asset Management,...) ensuring the ability to capture, then enhance and finally exploit the data produced,
- 1 cyber expertise, enabling the security of all digital services delivered

We commit our best specialists in the fields to address solution and assure business impact for Industry 4.0, Smart Building and Intelligent Territories sectors.

## MAIN REFERENCES



## CERTIFICATIONS



# I-CARE RELIABILITY ESPAÑA SL



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## COMPANY BACKGROUND

I-care is a global leader in predictive and prescriptive maintenance. Our AI-powered and data-driven solutions predict industrial failures before anyone else. We help our customers reduce risks for safer, more productive, and more sustainable industries.

## RANGE OF PRODUCTS OR SOLUTIONS

- Predictive Maintenance :
  - Vibration Analysis
  - Infrared Inspections
  - Ultrasound Analysis
  - Oil Analysis
  - Motor Circuit Analysis
  - Motion Magnification
  - Onsite Balancing
  - Laser Alignment
- Prescriptive Maintenance :
  - Reliability Centered in Lubrication
  - Value-Driven Outcomes
- Talent Augmentation
- Trainings



## ADDED VALUE / UNIQUE SELLING POINT

At I-care, our proven predictive maintenance technologies, services, and diverse asset management solutions ensure industrial machines around the world are more productive, safer, and environmentally friendly.

We service thousands of customers in all major industry sectors including Chemicals, Food, Energy, Materials, Oil and Gas and Pharmaceutical

# VOCsSens



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## COMPANY BACKGROUND

VOCsSens is fabless semiconductor company and spin-off de l'UCLouvain. We rely on a strong expertise based on more than 20 years of research on CMOS-compatible environmental sensors.

## RANGE OF PRODUCTS OR SOLUTIONS

EnviCam-3x is a multi-gas microsensor on a single chip for IoT & Industry 4.0 solutions. These microchips integrate several nanotech-based sensing materials within a CMOS process. MSEM-10 is a plug-and-play multi-sensor environmental module gathering well-known gas sensing technologies, environmental sensors and LoRaWAN communication.

## ADDED VALUE / UNIQUE SELLING POINT

- Multi-gas
- Ultra-low-power
- Actionable data
- Small size

## MAIN REFERENCES

Smart building (indoor air quality) - Smart city (pollution monitoring in Brussels, Kaunas,...)  
Industrial IoT (leakage monitoring at petrochemical & oil and gas sites) - Smart agriculture (emission monitoring in Barns)

## CERTIFICATIONS

CE





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