

INCASE MISSION

Within the world of Industry 4.0, we develop test set-ups and demonstrators for sustainable technologies to prove the viability and applications of this technology. We introduce the technology to the industry by means of workshops and lectures based on own research and experience.



www.incasetoseas.eu

Project

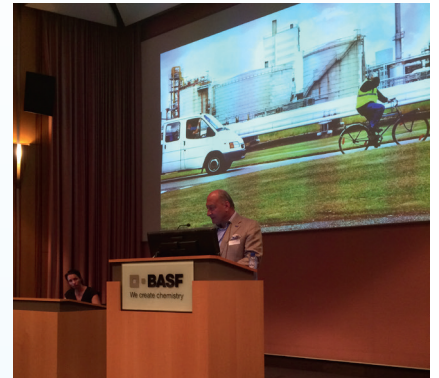
Hosted lectures

About industrial automation and smart robots that communicate with each other

BASF – Antwerp (25/06/2019)

Over 50 years ago, **BASF** moved to the port of Antwerp, the logistics centre of Europe. It is Belgium's largest integrated chemical production centre and the second largest in the BASF group worldwide.

As part of the Digital Transformation projects Antwerp 4.0, BASF Antwerp is developing applications to phase out access to confined spaces (storage tanks, pressure equipment) by using robotics in combination with advanced non-destructive testing technologies (NDT). They also use IoT, Data to Cloud, AR, Data Analytics, Mobile & Wireless, and Robotics, and especially drones and maintenance robots.



Sioen (05/09/2019)

Sioen, the market leader in coated technical textiles, develops all or part of its own machines. This allows it to focus on automation, quality, ergonomics, and digitisation. A specific example is 'Coolbox', a unique communications hub that optimises the coordination of weaving looms. Sioen's employees have chosen this name themselves. Coolbox represents communication in the organisation to improve quality. It is a meeting place for workers after shifts to briefly go through KPIs, speed indicators, and loom data.



Paree (22/11/2018)

Paree specialises in industrial automation. Our visit gave us more understanding of the central management of different systems. 'SWYCS' is a specific application in energy management and building automation. This solution, which consists of a multiprotocol local gateway with a cloud backend, is a plug-and-play tool for the construction industry.

Paree has developed a platform for nursing home automation (domotics) to facilitate the connection between care systems, observation cameras, and home automation in nursing homes. This allows care providers to use tablets to align the infrastructure with the care.



Ontex (13/09/2018)

Ontex, specialists in smart hygiene solutions, succeeded in transforming a traditional sector I4.0 into an opportunity. They use automation and robotisation to uphold the high quality and service and respond flexibly to their customers' wishes. Their project teams work on the basis of input from product landscaping, consumer insights, and concept laboratories. End-of-line automation was introduced in production, resulting in versatile employees in multifunctional, self-managing teams. Successful innovation is expressed in delivery reliability of 98.5 per cent and a 20 per cent reduction in materials consumption.



Volvo Car Ghent (26/06/2018)

Volvo Car Ghent is launching various pilot projects that involve communicating production robots. Data results are displayed on dashboards in real-time. Volvo uses permanent online diagnostics to more quickly try to locate faults and carry out preventive repairs. This significantly reduces the hours of downtime. Volvo used the European project Profinet as a test case to investigate extensive and permanent diagnoses, and with success. They also examined the use of Proficloud, which links production sites. In this way, there will be quicker feedback about specific production problems.



Samsonite (05/06/2018)

The constant need for more efficient and faster systems for identifying and localising objects (e.g. in asset management) means that RFID or Radio Frequency Identification is becoming more widely established. This technology allows remote storage and reading of information in so-called RFID tags that are placed on or in objects or living creatures, such as chip cards.

However, skimming, a technique used for illegal copying of card data, even remotely, is also becoming more commonplace, making improved protection of credit and identity cards essential. To protect against this, **Samsonite** offers a range of wallets and purses with this RFID blocking technology.



Hello Industry 4.0 in the Design Museum

(07/03/2018)

This conference was organised on the occasion of the **Hello, Robot exhibition at the Design Museum Ghent**. Industry 4.0 heralds a new future thanks to new technologies that are developing at a rapid pace and offer boundless possibilities, such as digital twins, intelligent machines that communicate with each other and your smartphone, and data communications. Top experts Peter Hinssen and Frank Knafle presented the latest trends.



TOTAL NUMBER OF COMPANIES REACHED : 350

Interreg 
2 Seas Mers Zeeën
INCASE
European Regional Development Fund

 provincie
Oost-Vlaanderen


west-vlaanderen
de gedreven provincie