



ai

SUMMARY



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Our job

Integrator of global automation solutions and energy management



History



Creation : 1995



Taken over in
2006



Merger with Euro
System 4,0 in
January 2016

9,3 M€ turnover

100 collaborators

Majority owned by the leaders

20% to export

70% of French airports

Rating **3+** by the Bank of France

MASE certification for 5 years

Among the top **30 French companies** offering energy efficiency solutions

AI
Activities

```
graph TD; AI((AI Activities)) --- Automation[Automation]; AI --- AI[Artificial Intelligence]; AI --- Robotics[Robotics]; Automation --- Robotics; Robotics --- Industrial[Industrial computing]; AI --- Cyber[\"Cybersecurity process<br/>Industries and infrastructures\"]; AI --- EnergyB[\"Energy management for buildings\"]; Cyber --- EnergyM[\"Energy management\"]; EnergyB --- Airport[Airport solutions]; Airport --- Service[Service];
```

Our technical skills

Automation

Artificial
Intelligence

Energy
management for
buildings

Robotics

Cybersecurity
process
Industries and
infrastructures

Airport solutions

Industrial
computing

Energy
management

Service

AI Activities

5 areas of intervention in a work package or/and technical assistance



Consulting

- ✓ Setting up a master plan
- ✓ Preliminary studies, feasibility studies
- ✓ Drafting of the specifications
- ✓ Technical guideline
- ✓ Validation of technological assumptions
- ✓ Assistance to project management and work



Maintenance

- ✓ Third party Maintenance Application (TMA)
- ✓ Maintenance in Operational Condition (MOC), 24h/24




Integration

- ✓ Functional studies
- ✓ Developments / integration plans
- ✓ Design / Modeling
- ✓ Studies / developments
- ✓ One-site installation
- ✓ Commissioning

A white circle with a grey border containing the text 'AI Activities'. Blue circuit-like lines extend from the top and right sides of the circle.

AI Activities

5 areas of intervention in work package or/and technical assistance

A green chalkboard with a wooden frame. A hand is pointing at the text 'Never stop learning' written on the board. Blue circuit-like lines extend from the left and right sides of the board.

*Never stop
learning*

Training

- ✓ Software training
- ✓ Operator training
- ✓ Skills transfer



Support

- ✓ Technical assistance
- ✓ Technical realization
- ✓ Benchmarking
- ✓ Specific functional writing
- ✓ Project management

A white circle with a grey border containing the text "AI Activities". To the left and right of the circle are blue circuit-like lines with small circles at the ends.

AI
Activities

2 types of customer contract

Flat-rate contract



the customer
orders a complete
turnkey solution.

Technical assistance contract



the customer uses
the skills of AI
company's
employees

AI Activities

Our areas of expertise – some applications



Airport

- ✓ International and local airport luggage sorting
- ✓ Hydrants, kerosene supply
- ✓ Runway lighting....



Manufactures and OEM

- ✓ Integration of new processes with end customers or OEM (original Equipment Manufactures)
- ✓ Strong adaptation to the customer process as well as to specific automation technologies...



Renewable energies

- ✓ Hydroelectricity: coding, verification, validation of function blocks dedicated to the automation of dams and plants
- ✓ Technical support for photovoltaic power plant (monitoring, reporting, etc.)



Transports

- ✓ BMS of tramways
- ✓ BMS of tunnels...



Buildings

- ✓ Integration of BMS with several thousand points in the hospital sector, implementation of CMMS project (Computerized Maintenance Management System)
- ✓ Specific HVAC regulation....



Water ans sanitation

- ✓ Renovation of supervision systems for drinking water distribution
- ✓ Renovation of pumping stations and drinking water treatment
- ✓ Process control of pollution station

AI Activities

Our skills 4.0



Cybersecurity



CMMS



Robotics



Energy management



Smart data



Connected factory



AI
Activities

TPM : Third Party Maintenance

Budget : 500 k€

Main customer : Schneider Electric

Experience : 6 years in activity and customer loyalty

Group : 8 persons

Activity : Automation & supervision,
photovoltaic power plants and infrastructures,

Example of project : CESTAS solar power plant

Partners : 



AI
Activities

LSS : Live System Support

Guaranteed intervention by a specialized technician 24 hours a day, 7 days a week, within 2 hours

Emergency phonenumber

Multi-brand automation and supervision

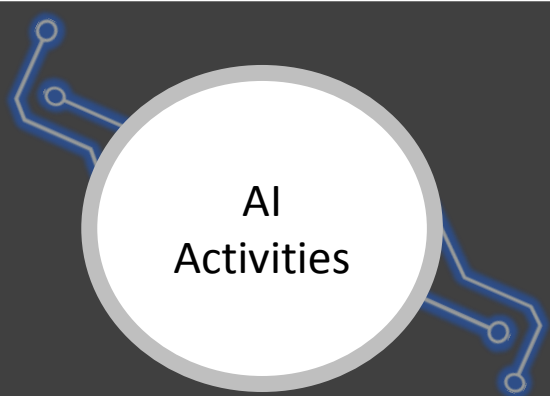
Quarterly and/or annual maintenance

Backup and inventory management

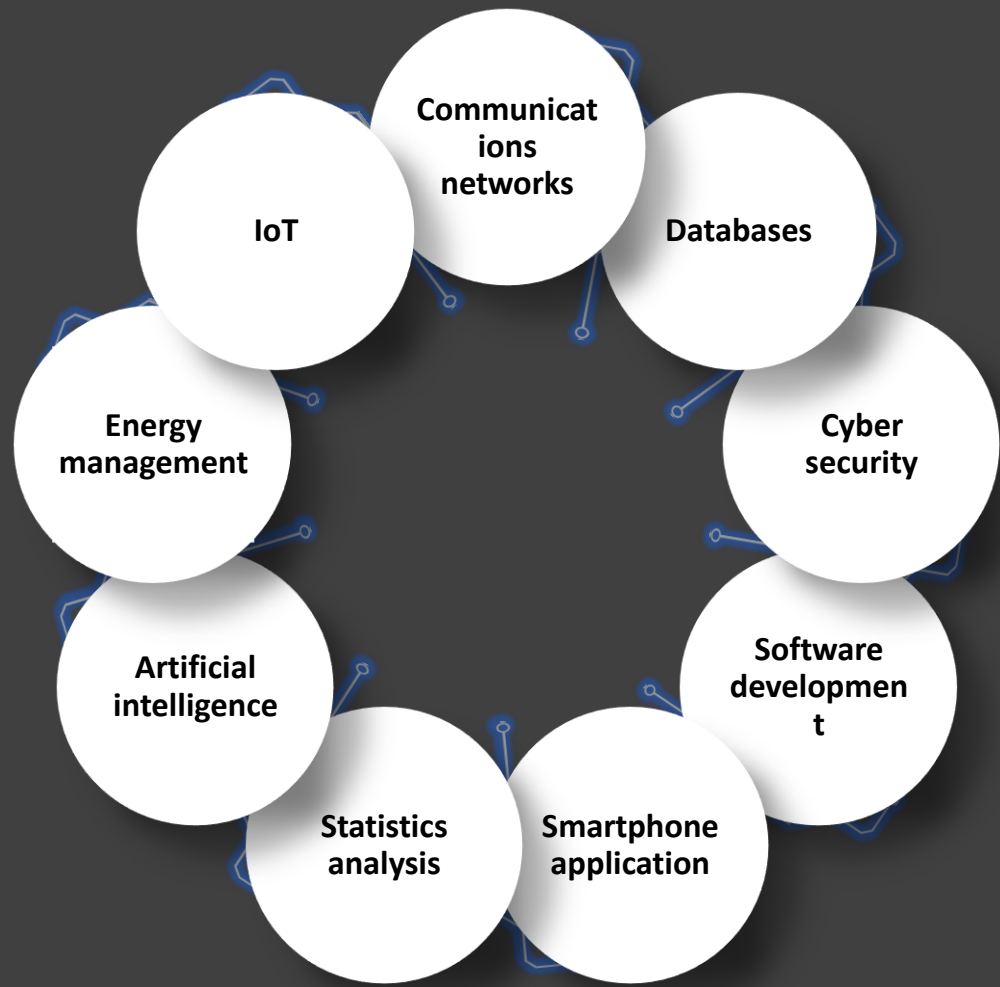
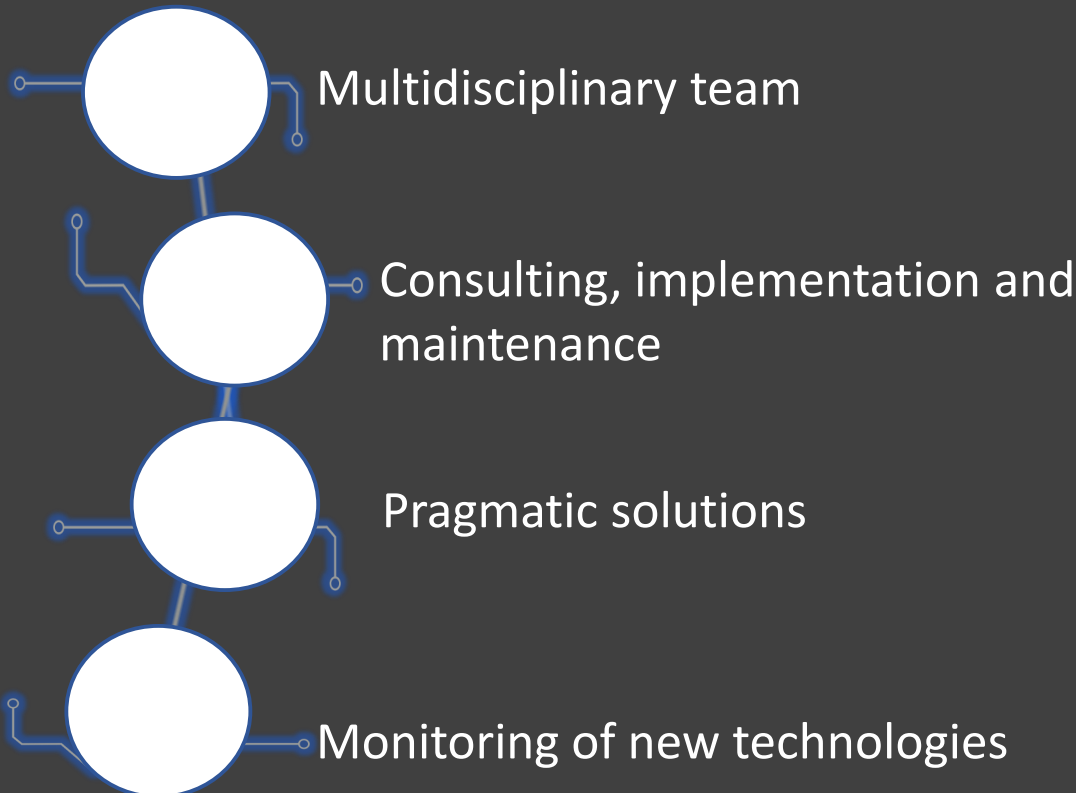
Improvements' studies and implementation

Obsolescence's studies






Digital Pole



A white circle with a grey border containing the text "AI Activities". Blue circuit lines extend from the top and right sides of the circle.

AI
Activities

AI ambition for digital pole

A black outline of a person standing with one arm raised. The person is wearing a black t-shirt with a blue "ai" logo and blue pants.

Supporting our customers
step by step in their digital
transformation


AI
Activities

Connected factory



Maintaining informatique's infrastructure of the industrial system:

- ✓ Network mapping
- ✓ Network audit
- ✓ Achievements : installation, server migration, switch, IoT, etc.
- ✓ Specific connectors' development
- ✓ Training (Ethernet and IP networks, OPC, SQL...)

A diagram with a central white circle containing the text "AI Activities". The circle is surrounded by a grey border. Blue circuit-like lines with small circles at the ends extend from the top-left and bottom-right of the circle.

Cybersecutity



Prevent computer's failure on the industrial system :

- ✓ Risk analysis
- ✓ Cybersecurity audit
- ✓ Installation of Firewalls, security probes, etc.
- ✓ Backup plan

AI
Activities

Smart Data



Giving meaning to data to improve performance :

- ✓ Data quality
- ✓ Search for correlations between variables
- ✓ Predictive maintenance
- ✓ Optimization of production, flow, consumption, etc.
- ✓ Forecasts, alerts

AI Activities

Energy management



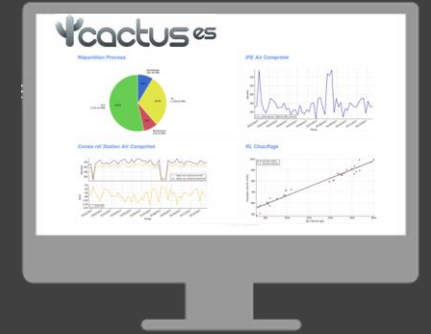
Improving energy performance :

- ✓ Counting plan's audit
- ✓ Energy management software
- ✓ Integration
- ✓ Training
- ✓ Maintenance
- ✓ Consumption modelling
- ✓ Optimization of the electricity contract

AI Activities

AI Energy Management Software

cactus^{es}



Energy contract :

From the meters of your electricity delivery stations, Cactus Energy contract allows you to reduce your energy bills, understand your consumption, and monitor your energy costs.

Energy Management :

This module integrates the system part of your energy management approach with the management of your action plan, the mapping of uses or the automation of the energy review.

Energy Data :

Cactus energy data is used to collect, process and analyze data from the energy performance measurement plan (electricity, gas, compressed air, production data, etc.)

AI
Activities

Collaborative project : OPSINE 2

Budget : 2,1 M€

Finance : FUI (AAP15)

Project period : 3-5 years

Objective : energy management in industry

Deliverable : Software and methodology

Leader : Automation & Industry

Partners :





AI
Activities

Internal project : TIDEME

Budget : 600 k€

Finance : ADEME (IPME)

Project period : 18 month

Objective : Detect and reconstruct data missing
or incorrect energy sources

Deliverable : Software and methodology

Pilot company :

soitec

NTN®





AI
Activities

Internal project : MPPV

Budget : 100 k€

Finance : BPI

Projet period : 12 month

Objective : Predictive maintenance in photovoltaics

Deliverable : feasibility analysis

Pilot company :



Realisations

Some realisations



Hospital : BMS, BMS or hypervision,
HVAC,
integration of electrical meter
measurements ..



Airport : control tower,
hydrants and markers



Airport : terminal
equipment, baggage
handling system



Tunnel and highway : more
than 100,000 points for
A86 (Paris).



Luxury hotels : BMS/EMS



Oil and gas industry : High
level of security all day long

Realisations

Some realisations



Automobile : line of production, painting



Metallurgy : process and equipment



Solar : Monitoring solar panels in Reunion and Bordeaux 300 Mega Watt Crest



Hydraulic : Central's renovations



Prestigious buildings such as Grande Arche, Defense,...)
BMS of elevator




Efficacy energy solutions : energy management



AI Values

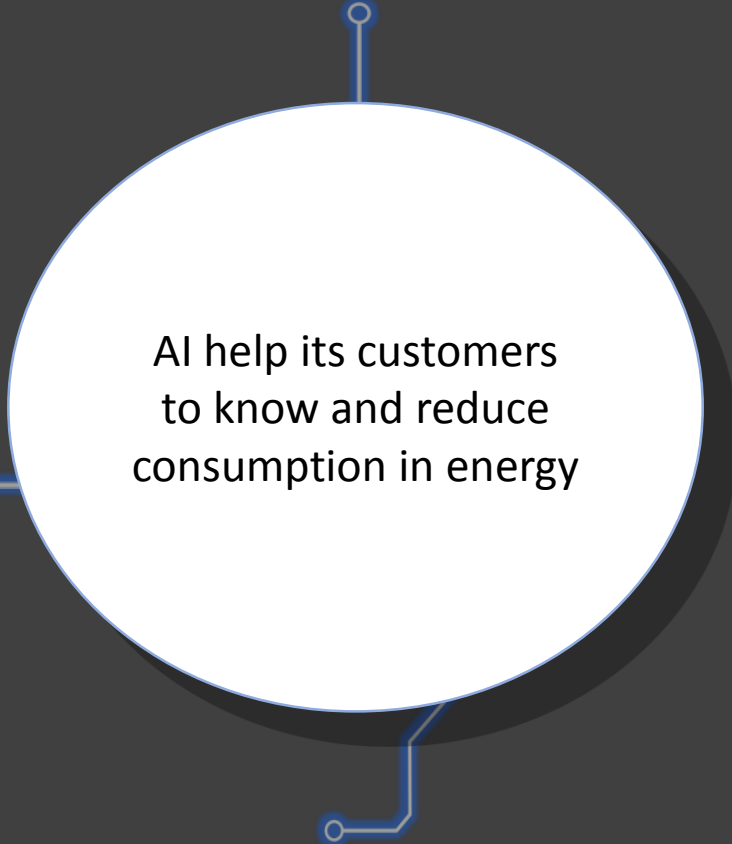
A diagram featuring a white circle with a grey border containing the text 'AI Values'. The circle is connected to a blue circuit-like line that extends from the top-left and bottom-right, ending in small circles.

Our missions



The AI team relies on its expertise and enthusiasm to provide high level services to improve the performance of its customers in France

A diagram featuring a large white circle with a blue border containing the text. The circle is connected to a blue circuit-like line that extends from the top and bottom, ending in small circles.




AI help its customers to know and reduce consumption in energy

A diagram featuring a large white circle with a blue border containing the text. The circle is connected to a blue circuit-like line that extends from the top and bottom, ending in small circles.


A circular diagram with a white center and a grey border, connected by blue circuit lines to other parts of the slide.

AI Values


Our vision

A white oval bubble with a blue border, connected by blue circuit lines to the central vision bubble.

To be a major and essential player in automation, recognized as both reliable and original by our customers, competitiveness centres, research laboratories and all our partners.

A central white oval bubble with a blue border, connected by blue circuit lines to the other vision bubbles.

Attract the sector's strongest skills by being a great place to work and thrive as a « best place to work » company.

A white oval bubble with a blue border, connected by blue circuit lines to the central vision bubble.

Be a driving force in the development of the local socio-economic fabric

AI Values

Sustainable development



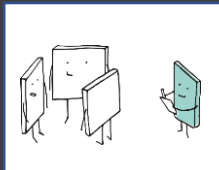
Mobility challenge 2019 : trophee's winner



Support for the food bank's large national collection



21 days of skills sponsorship in 2018



Audited Acesia (Afnor) since 2013.



UN Global Compact's active member

2019 goals :
✓ Mobility plan
✓ 0 waste



Headquarter

A large white circle with a grey border, containing the text 'AI Values'. It is connected by blue lines to a network of smaller circles and nodes, resembling a circuit or neural network.

AI Values

Health – Safety – Environment Policy

A vertical sequence of five white circles connected by a blue line, with small blue circles at the top and bottom. Each circle is followed by a text description of a policy achievement.

5 years of MASE certification (association of 1200 certified companies)

Prevention approach based on the feedback from the field

No workplace accidents

48 animations in 2018


24 audit employees in 2018



AI Values

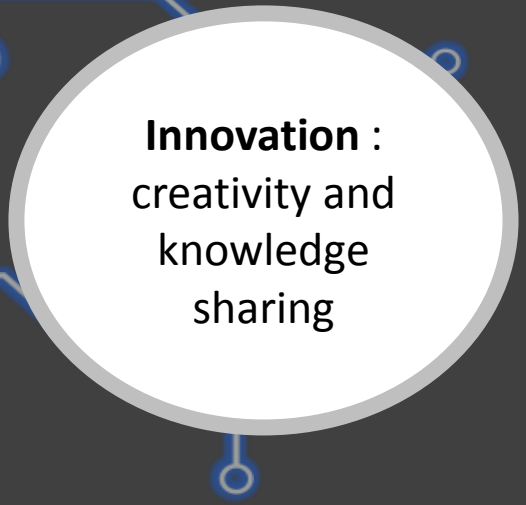
A diagram showing a central white circle with a grey border and the text 'AI Values'. It is connected by blue circuit-like lines to other parts of the overall graphic.

AI Spirit




Transparency :
providing clear
information and
communication

A white circular node with a grey border containing the text 'Transparency : providing clear information and communication'. It is connected by blue circuit-like lines to the 'Exemplarity' node and the 'Innovation' node.




Innovation :
creativity and
knowledge
sharing

A white circular node with a grey border containing the text 'Innovation : creativity and knowledge sharing'. It is connected by blue circuit-like lines to the 'Transparency' node and the 'Exemplarity' node.



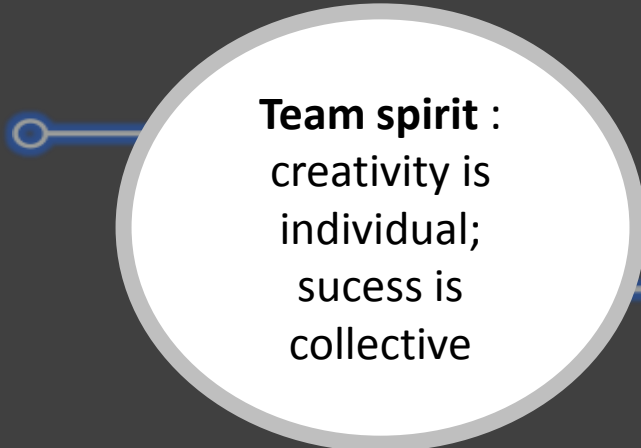
Exemplarity :
our values and
ethics shared

A white circular node with a grey border containing the text 'Exemplarity : our values and ethics shared'. It is connected by blue circuit-like lines to the 'Transparency' node, 'Innovation' node, 'Reliability' node, and 'Team spirit' node.



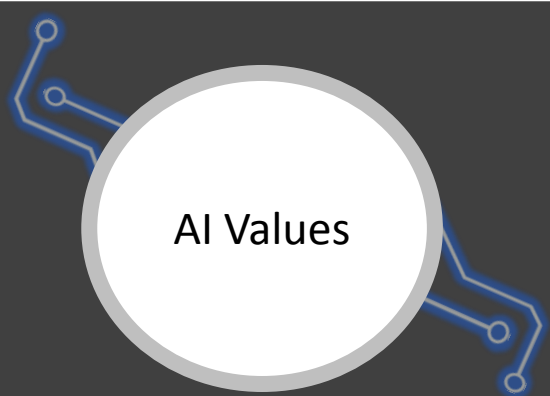
Reliability : we
respect our
commitments

A white circular node with a grey border containing the text 'Reliability : we respect our commitments'. It is connected by blue circuit-like lines to the 'Exemplarity' node and the 'Team spirit' node.



Team spirit :
creativity is
individual;
sucess is
collective

A white circular node with a grey border containing the text 'Team spirit : creativity is individual; sucess is collective'. It is connected by blue circuit-like lines to the 'Exemplarity' node and the 'Reliability' node.



Our warranties



Electrical clearance training



MASE certification since 2014



Chemical clearance training



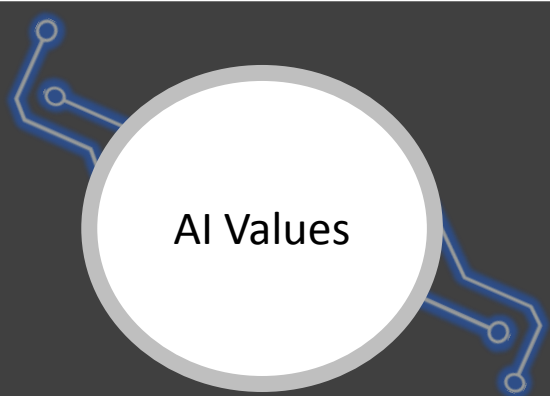
Individual liability insurance and repatriation



Safety preventive training.



Commercial and aeronautical liability insurance.



Our strengths



Human-sized PME



Organisation and reactivity



Collaborative innovation et
R&D



Work in group with specialist
partners



Simple and efficient solutions, non-
proprietary and open solutions.



Independence from technologies,
publishers or manufacturers.



Strong investment in Training and Corporate Social
Responsibility (CSR) for the past 10 years.



The diagram illustrates a network structure. At the top left, a large white circle labeled 'AI Partners' is connected by blue circuit-like lines to a vertical chain of seven smaller white circles. Each circle in the chain is connected to a specific service area listed to its right. The background is dark gray with white text.

AI
Partners

We work in a network on projects' realization with specialized partner companies:

Electricians, industrial and tertiary sectors

Energy studies

Electrical balance

Electrical boards

Transfer of production line

Construction site, France and export.

Mechanics, conveying.

We offer these solutions while taking into account your priorities and alternative proposals

AI
Partners

Territorial implementation and others partnerships



AI
Customers

Main customers





News

Actuality

Merger between AI and Euro System

AI winner for the first time of a European project for innovative SMEs : H2020 SME instrument

Lauch of service offer in predictive maintenance

Mobility plan : target 2019

Winners of regional's mobility challenge



Contact

Contact us



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The link to our homemade video : <https://www.youtube.com/watch?v=93RKf5aq9e8>



Specialist in the analysis, development and commissioning of automated applications for
infrastructures and industry