



DEVELOP TECHNOLOGY AND YOURSELF

LIESBET DECUYPER
HR PARTNER
FLANDERS MAKE





FLANDERS MAKE

THE RESEARCH CENTRE
FOR THE MANUFACTURING
INDUSTRY



Mission Flanders Make

To strengthen the long-term international competitiveness of the **Flemish manufacturing industry**

by carrying out excellent,
industry-driven, pre-competitive research in the domains of

- ▲ **MECHATRONICS**
- ▲ **PRODUCT DEVELOPMENT METHODS**
- ▲ **ADVANCED MANUFACTURING TECHNOLOGIES**

Industry driven

▲ Broad network incl. 70 members companies

▲ >20 new research projects since mid 2014

▲ with >30 large companies & SME's

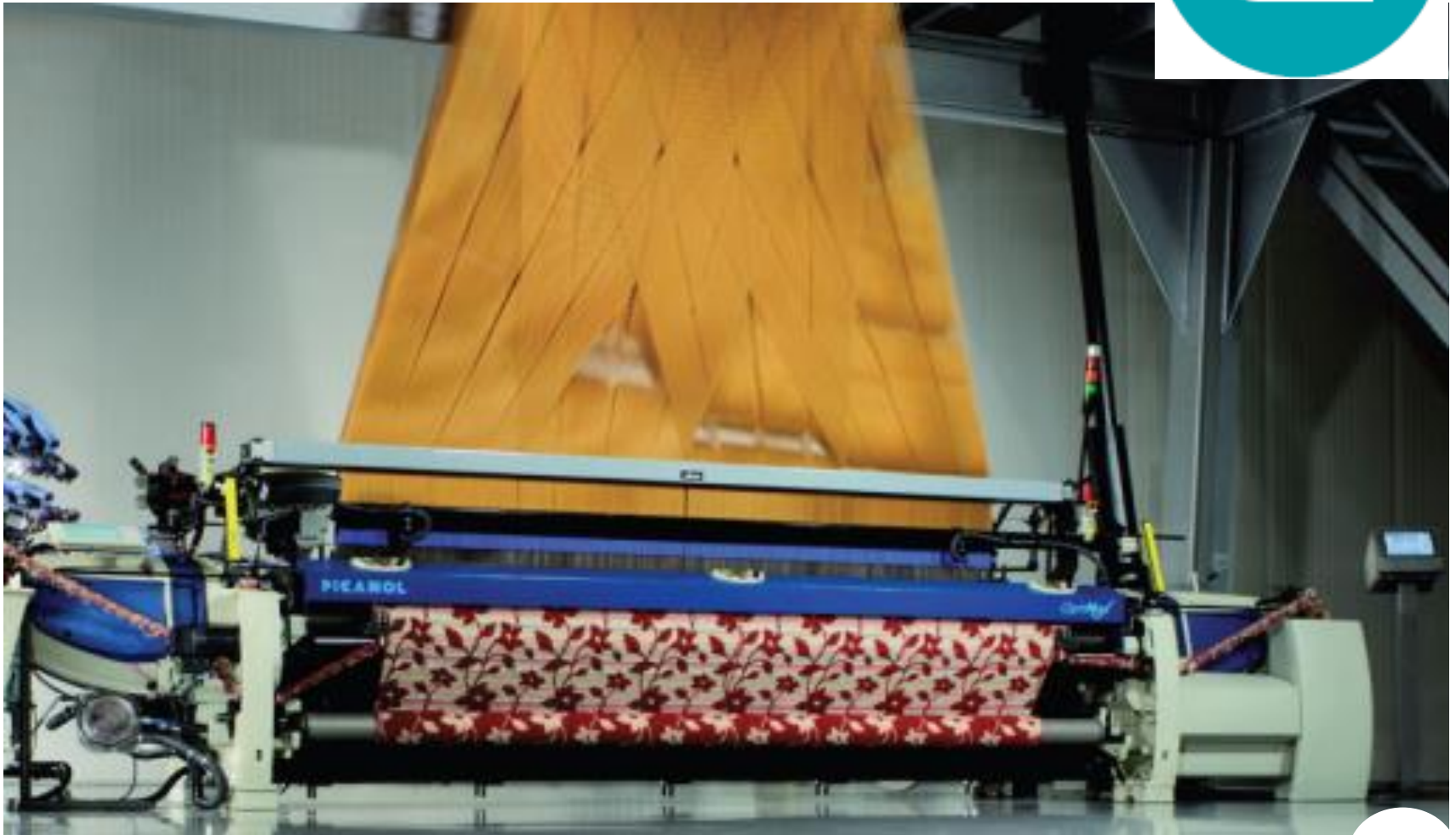
▲ focus on collaboration/open innovation



VEHICLE OF THE FUTURE



MACHINE OF THE FUTURE



FACTORY OF THE FUTURE



Flanders Make: strategic priorities



Autonomous
electric vehicles



Smart
interconnected
machines



Smart & Human
centered
assembly

Additive Manufacturing

Advanced Power & Drive Trains

Technology competences

Infrastructure based services

Research programs



Clean energy-efficient motion systems

Smart monitoring systems

Autonomous systems

Intelligent product design methods

Smart and lightweight structures

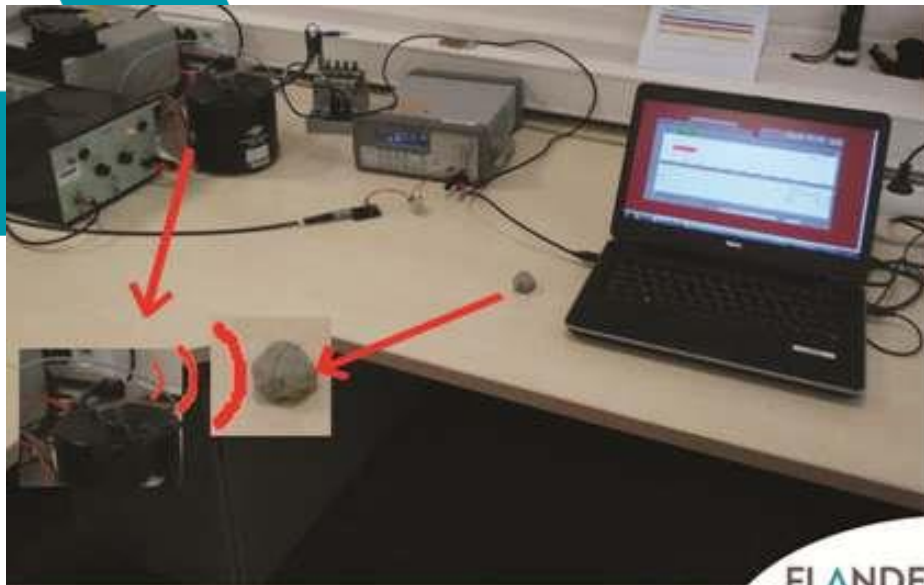


Additive manufacturing for serial production

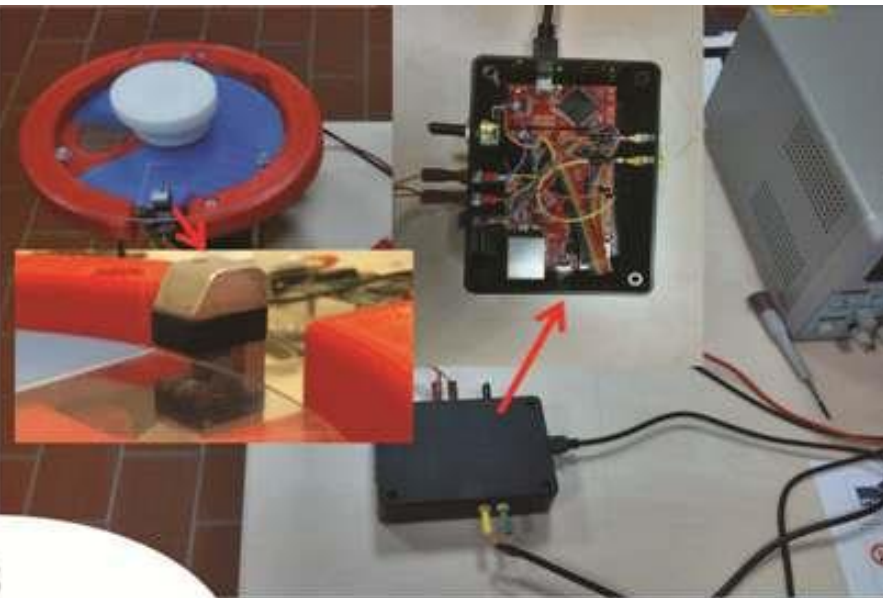
Manufacturing for high precision components

Agile & human-centered production and robotic systems





Stone detection in harvesting machines improved by 25%



Wire detection in weaving looms improved by 20%



Autonomous machinery - Smart Monitoring



BUILDING ECOSYSTEMS FOR INNOVATION
A lightweight functional door demonstrator
RACE



22% weight reduction
Extra functionalities



Potential use for weight reduction
in other applications



Lightweight Door Demonstrator

MULTIPLE PARTNERS

KU LEUVEN

Universiteit
Antwerpen

UNIVERSITEIT
GENT

universiteit
hasselt

Vrije
Universiteit
Brussel

FLANDERS
MAKE
MANUFACTURING INNOVATION



Applied
research

Academic
research

MANUFACTURING
INDUSTRY

Industrial
research



Flanders Make



Flanders Make in Flanders



A large teal triangle graphic on the left side of the slide, containing a smaller, darker teal triangle inside it.

LOOKING FOR RESEARCH ENGINEERS





Flanders Make Features

- ▲ A growing company (100 FTE in 2015- ...)
- ▲ Applied research –see the result, test the application
- ▲ Teams
- ▲ Different projects
- ▲ Job crafting
- ▲ A learning environment
- ▲ >15 different nationalities





Work with technology

- ▲ Mechatronics
- ▲ Control
- ▲ Vehicles
- ▲ Robotics
- ▲ Safety
- ▲ ...
- ▲ In a team
- ▲ On 2-3 projects





at Flanders Make

Applying new technology for industrial needs

Develop yourself as a

- ▲ domain expert
- ▲ multidisciplinary integration expert
- ▲ implementation expert



A large, solid teal triangle is positioned on the left side of the image. Inside this triangle is a smaller, dark grey triangle, creating a nested effect.

WWW.FLANDERSMAKE.BE



FLANDERS
MAKE
MANUFACTURING INNOVATION NETWORK