Il Competence Center CIM4.0 incontra le PMI e le startup

27 giugno 2019, Luciano Massone, Torino

+CIM 4.0

Competenze e Tecnologie

LA FILIERA «Automotive»

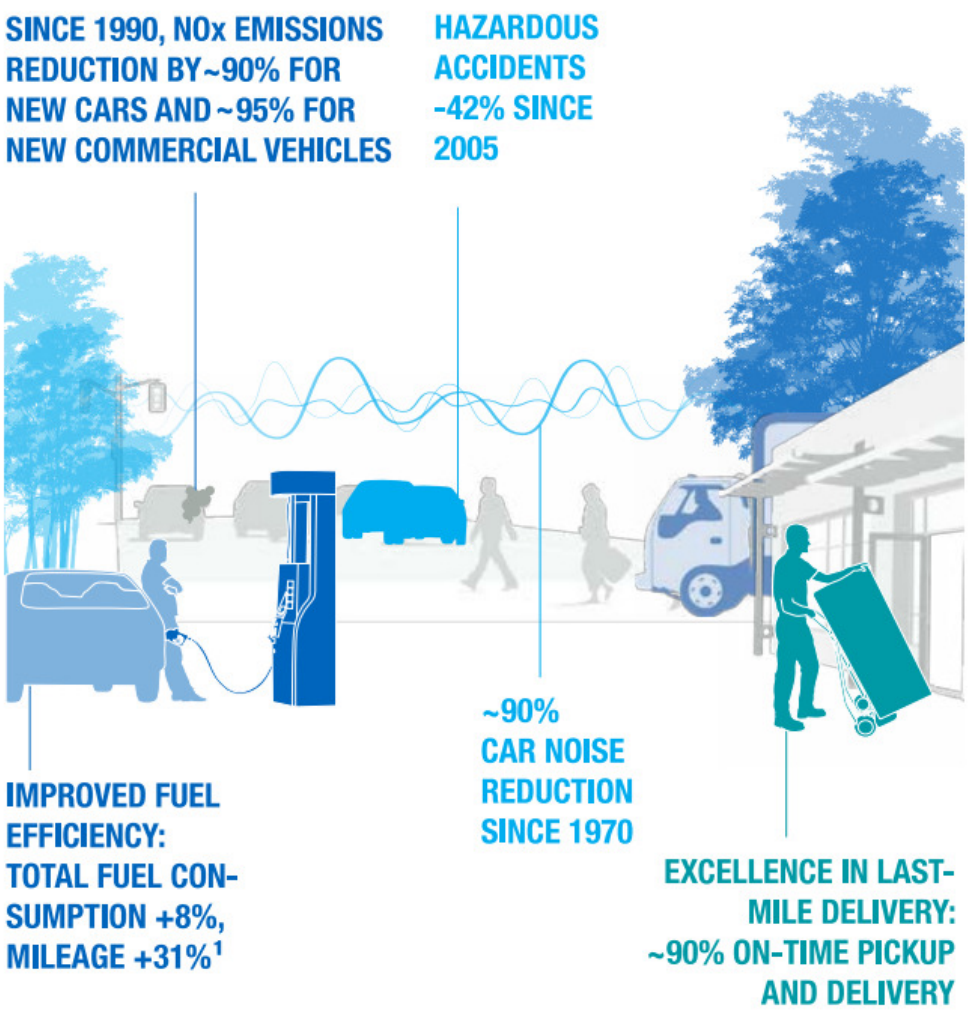
FCA Italy

FEV Italia

GM Global Propulsion Systems

Merlo

Automotive
A story of continuous improvement success



SOCIETAL CONTRIBUTION

ENVIRONMENTAL CONTRIBUTION

ECONOMIC CONTRIBUTION

Ref.: Race 2050 – A vision for the European automotive industry - McKinsey

The automotive industry is uniquely well situated to become a center for developing, testing, and adopting new mobility technologies

The 4 technology-driven ACES trends
Disruption in the automotive industry

80%
of the top 10 OEMs plan to build highly autonomous vehicles

Truck platooning on the road expected by
2022

The percentage of consumers ready to change car brands for better connectivity
doubled
in the last 2 years

By 2030, connected trucks will make up
~80%
of the fleet

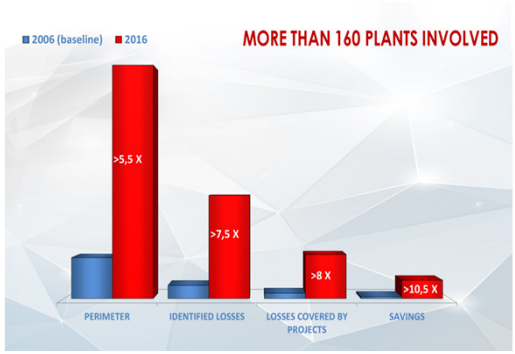
As of today, at least
EUR 55 bn
have been invested in ride-sharing start-ups

>40%
of models announced by 2021 will have EV[1] powertrains

Nearly
50%
of German consumers could imagine purchasing an EV[1] as their next personal car

Ref.: Race 2050 – A vision for the European automotive industry - McKinsey

THE FOUR MAIN PRIORITIES OF THE FoF (EFFRA)



COMPETITIVENESS

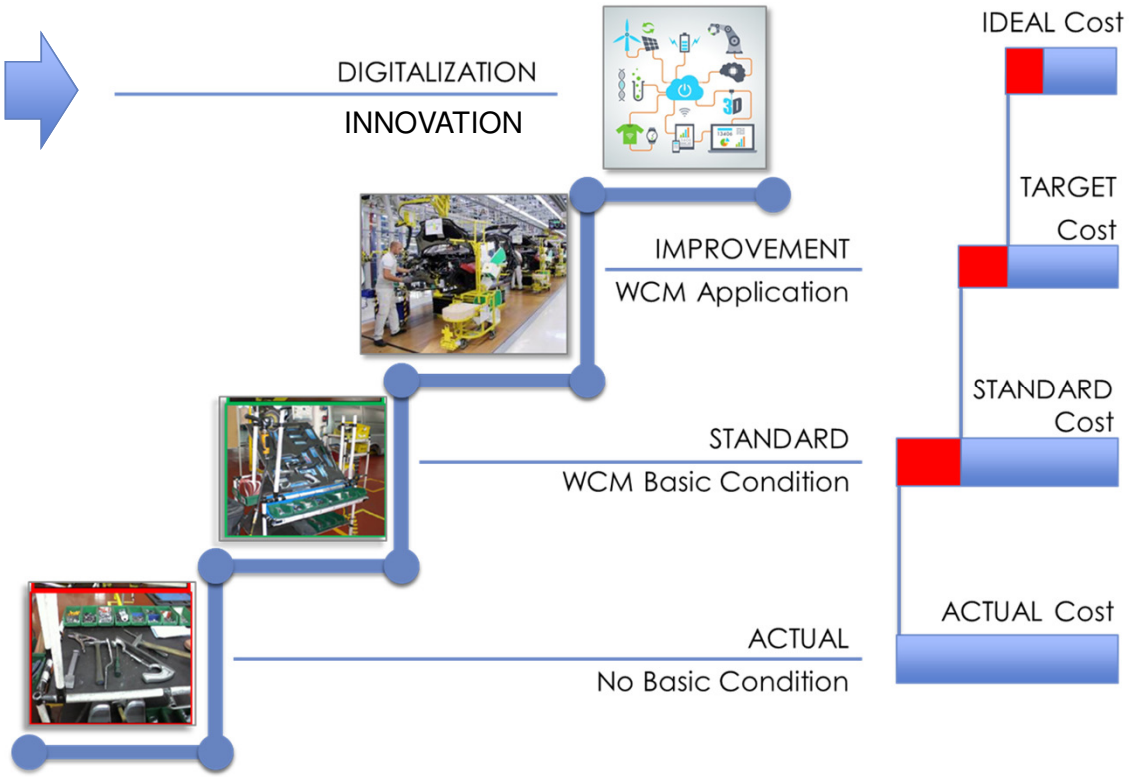
PLANET (Sustainability)

PEOPLE

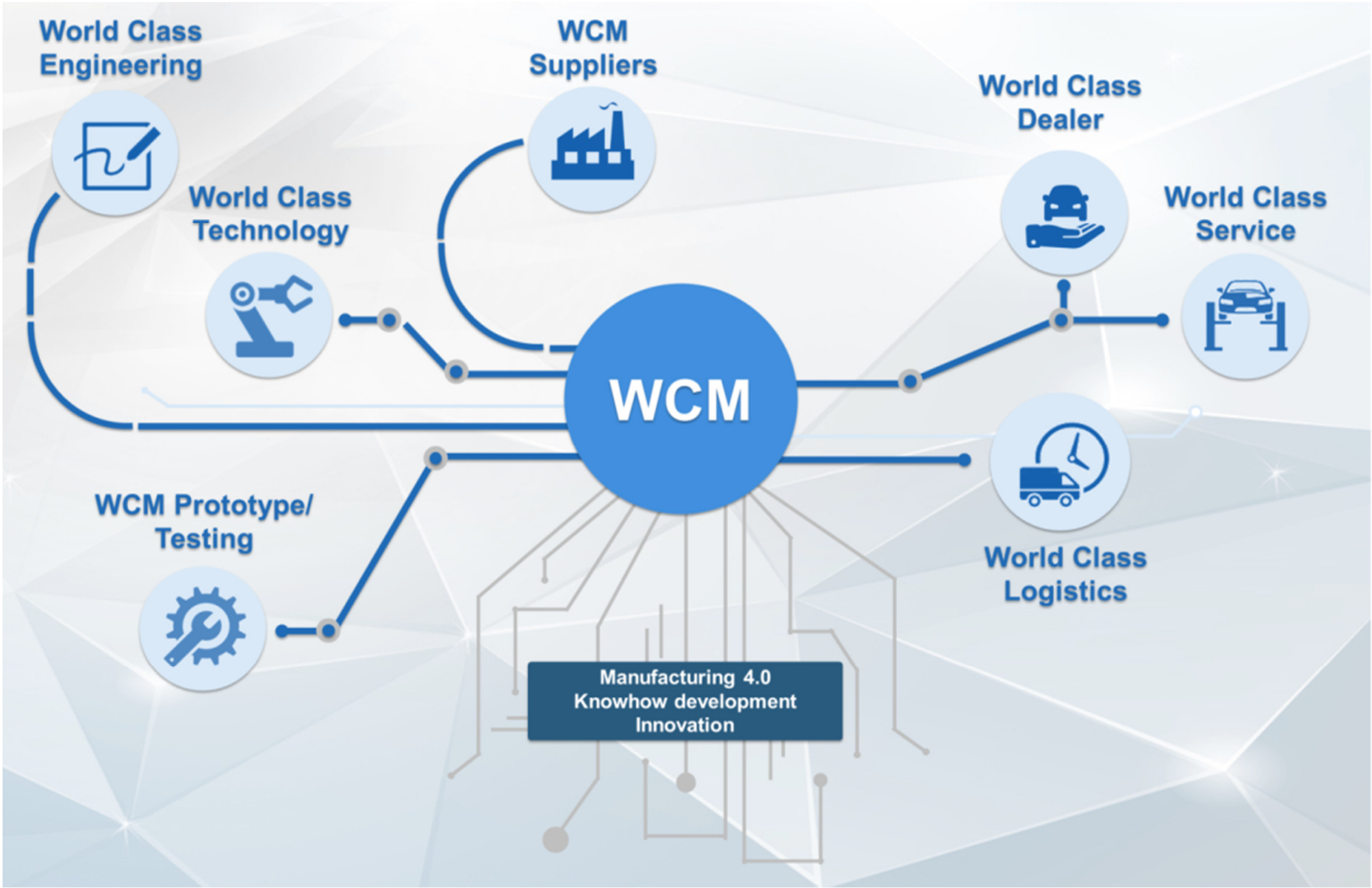
PRODUCT OF THE FUTURE

Ref: 190312_effra_roadmapmanufacturingppp_eversion

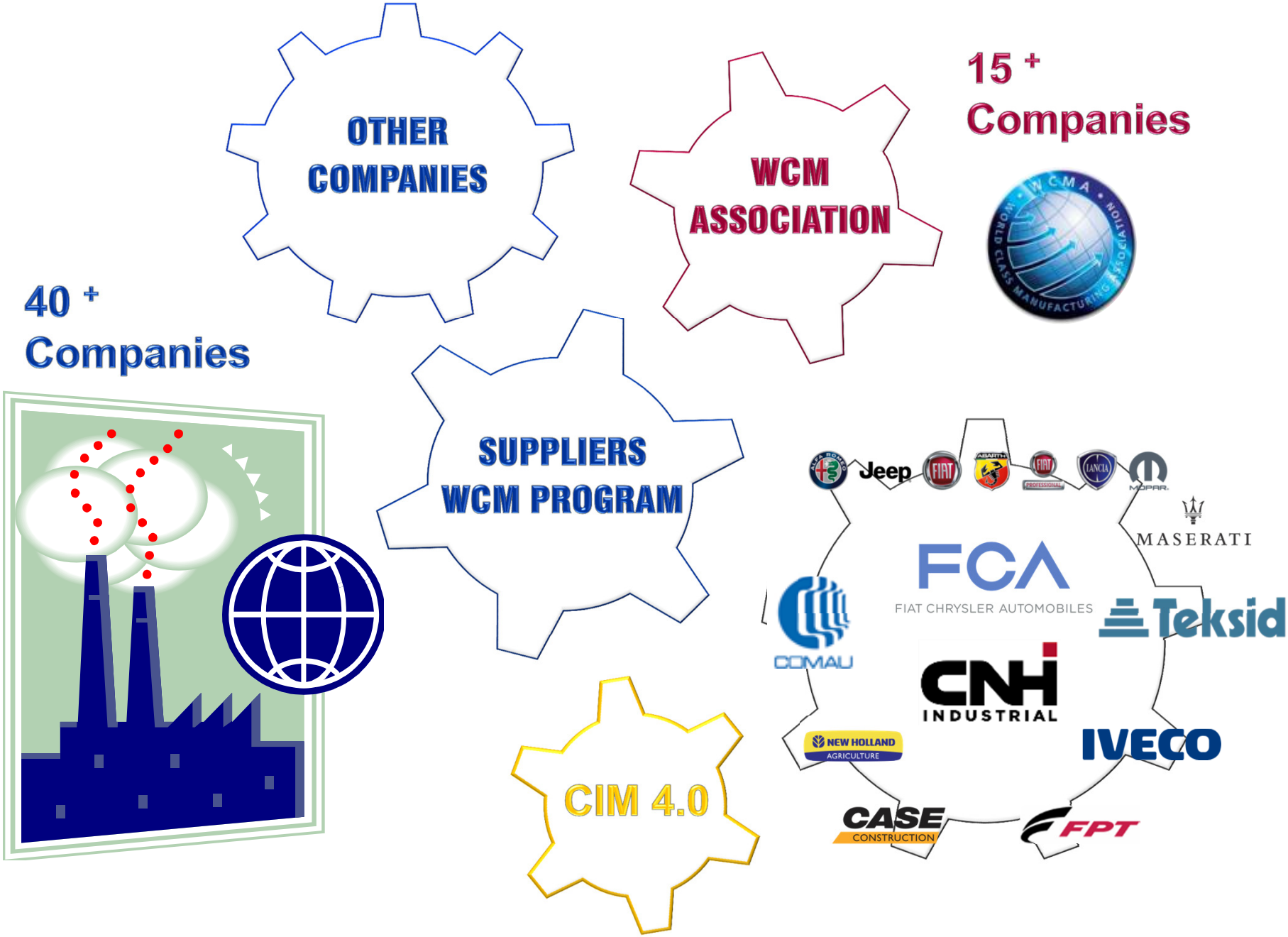
World Class Manufacturing and CIM 4.0



Extension of WCM approach to all company



WCM internal and external diffusion



WCM Academy @ FCA Italy

TECHNICAL TRAINING SOLUTIONS

WCM ACADEMY

COACHING

KAIZEN EVENTS

CLASSROOM

TRAIN THE TRAINERS

DIGITAL SOLUTIONS

ON FIELD COACHING

EXERCISES

LAB TRAINING

ON THE JOB TRAINING

SIMULATION

MTS

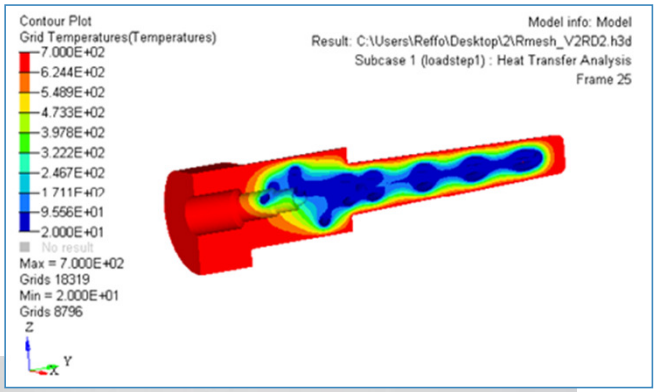
ASSESSMENT

Automotive: Enabling Technologies

EXAMPLE

Additive Manufacturing

- Higher components functional integration
- Product performances improvement
- Higher production flexibility / product customization



Automotive: Enabling Technologies

EXAMPLE

Ergonomic analysis during product/ process design using Immersive Virtual Reality:

- human centered workplace optimization
- cost and time reduction avoiding modification on production line

LET'S ACT
THE FUTURE IS NOW

«L'attesa è il futuro che si presenta a mani vuote»

Michelangelo