

COMPOSITES MANUFACTURING IN THE DIGITAL ERA THROUGH VIRTUAL SMART MANUFACTURING



We Help You Get it Right

Ground-Breaking Innovators

It's been in our DNA since 1973

Leader in Virtual Solutions

Accelerate development, manufacturing and predictive maintenance at a fraction of the cost

Experts in Physics of Materials

We leverage the specific and unique expertise in physics of materials



“With 45 years of experience, ESI offers technological empowerment to innovate efficiently with confidence.”

CRISTEL DE ROUVRAY
CEO, ESI GROUP



Our Mission:
Empower virtual outcomes

Our Vision:
Toward ZERO real tests
ZERO real prototypes
ZERO downtime

'Get it Right' with:

1 Pre-Certification
Improving performance
and productivity

2 Smart Manufacturing
Meeting performance
indicators for industry products
and processes

3 Human Centric
Ensuring efficient
assembly and maintenance
operations

4 Pre-Experience
Experience products and
systems under numerous
conditions

Hybrid Twin® — Mastering the new performance-based engineering and technology

- Mirroring real situation of systems in operation to enable real-time decision making all along their life
- Targeting zero downtime by anticipating events: predictive maintenance
- Optimizing design and functioning

Hybrid Twin®



Hybrid Twin® Platform

Hybrid Twin®

Virtual
Prototyping



Model
Order
Reduction

virtual twin

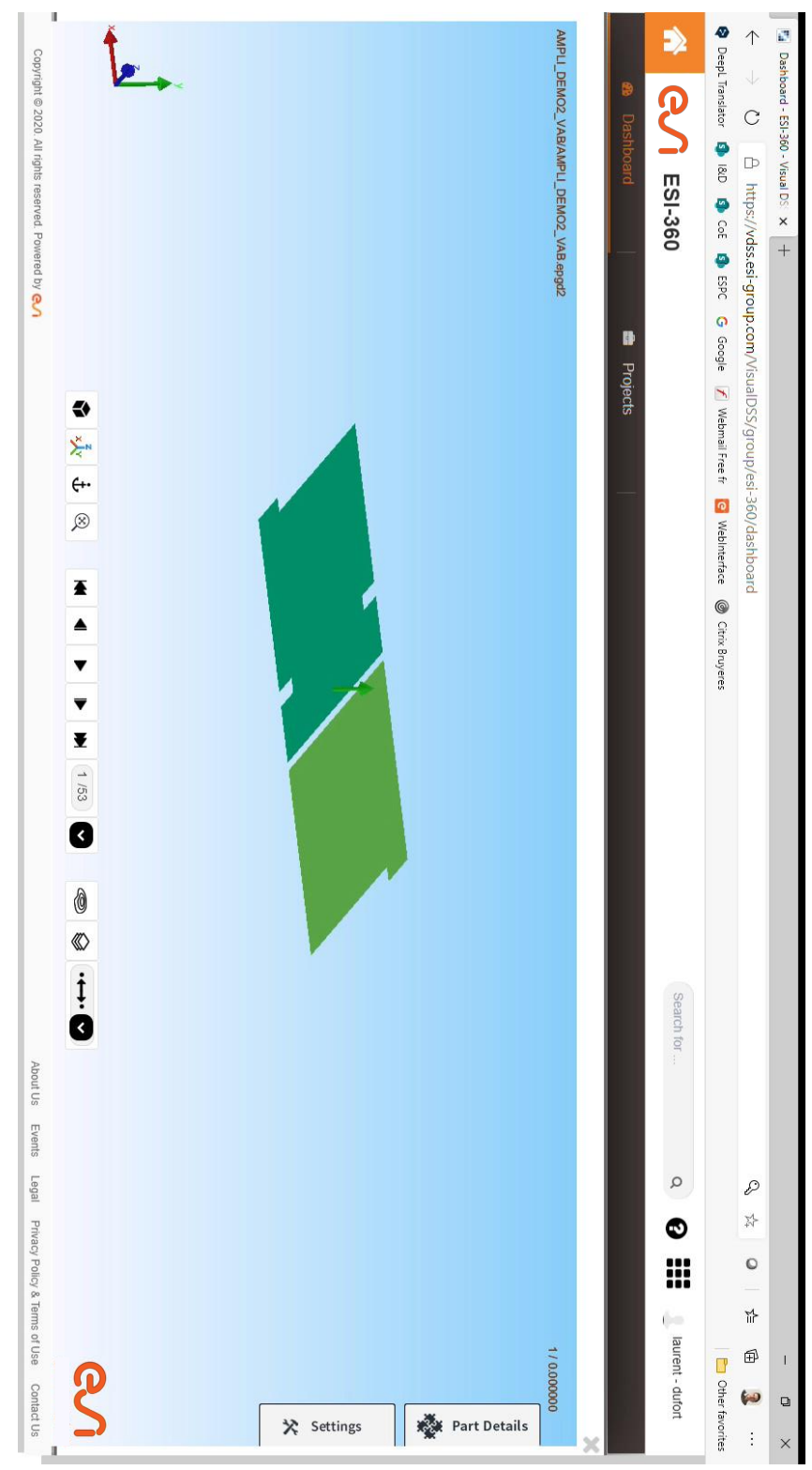


Parametric Manufacturing for Real-Time Try-out Support

AMPLI project



EIT Manufacturing is supported by the EIT, a body of the European Union

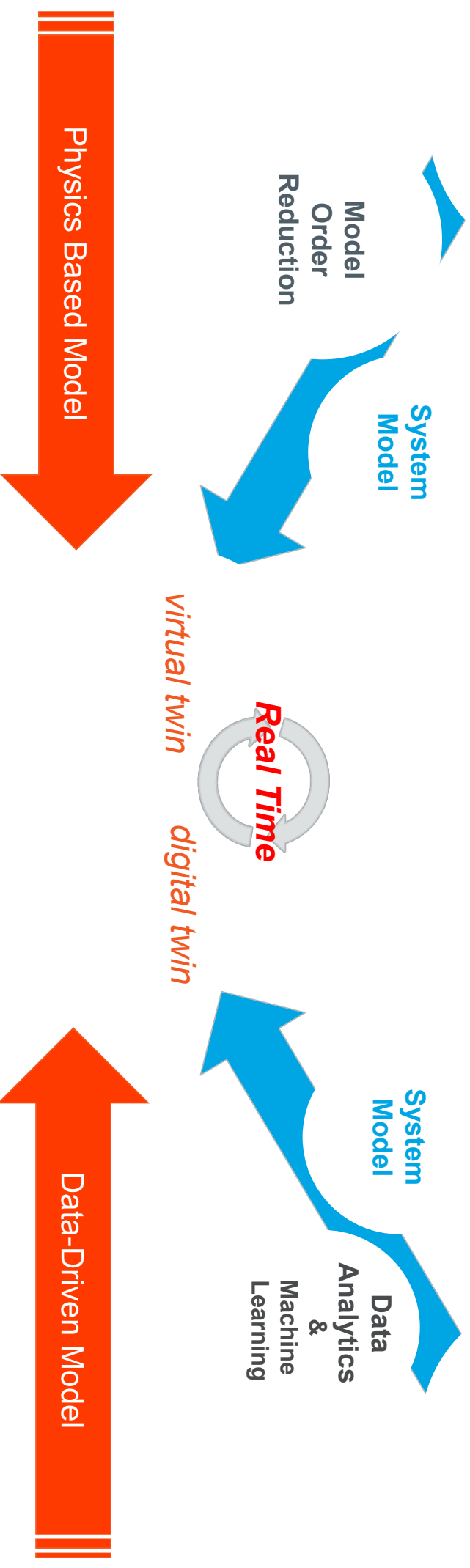


Hybrid Twin® Platform

Virtual
Prototyping

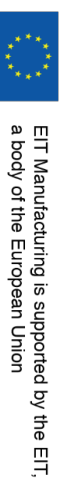
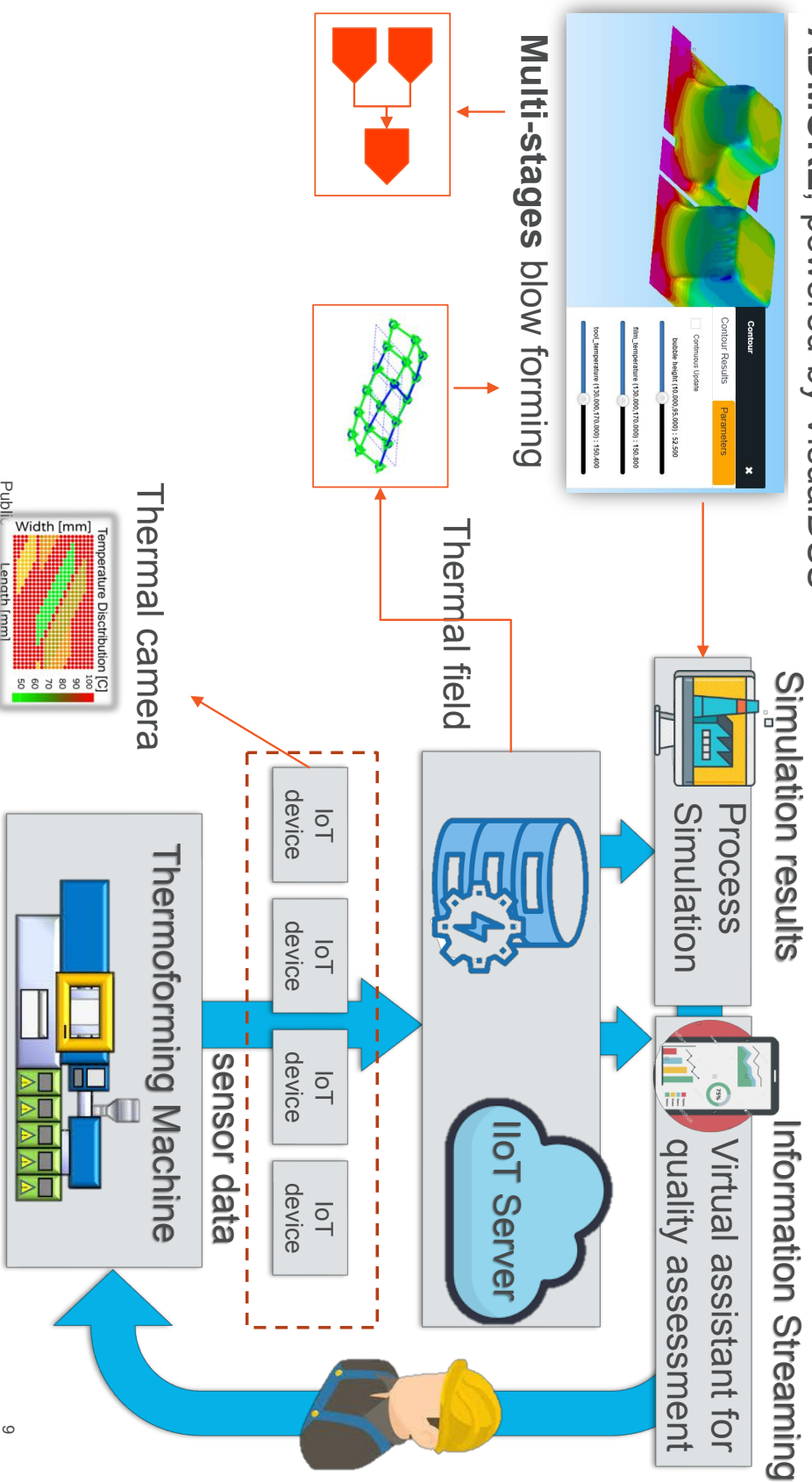
Hybrid Twin®

Real Data
Components,
Parts, Cars,
Machines, ... in
Usage



Hybrid Twin[®] for Manufacturing: AMPLI project

ADMORE, powered by VisualDSS



Simulation supporting you all the way



Virtual Product Engineering
Influence product designs to assure safety and performance




Human-Centric Product and Process Validations



Thank you

YOUR CONTACT AT ESI:



esi
get it right®

Dipl.-Ing. Frédéric Masseria
Business Development Manager
Composite Solutions

Frederic.Masseria@esi-group.com

ESI Engineering System
International GmbH
Stemensstr. 12B
63263 Neu-Isenburg
GERMANY

Direct: +49 6102 2067 123
Mobile: +49 160 9395 8663
Main: +49 6102 2067 0
Fax: +49 6102 2067 1111

www.esi-group.com

Any Questions?

Dipl.-Ing. Frédéric Masseria

Public

esi-group.com

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