

## Media Alert:

# ESI will Showcase Solutions for Smart Virtual Prototyping at Hannover Messe 2017

## ESI's Virtual Twin approach supports the main industrial trends of Industry 4.0

**Who?** [ESI Group](#) is a leading innovator in [Virtual Prototyping](#) software and services for manufacturing industries. Specialist in material physics, ESI has developed a unique proficiency in helping industrial manufacturers replace physical prototypes by virtual prototypes, allowing them to virtually manufacture, assemble, test and pre-certify their future products.

**What?** From April 24 to 28, 2017, ESI will be showcasing its latest solutions for digital transformation at [Hannover Messe](#), the world's biggest industrial fair, taking place every year on the Hanover Fairground in Hanover, Germany.

ESI will address many of the key industrial trends presented this year at Hannover Messe, supporting the development of the Industry 4.0:

**Virtual Manufacturing, Testing and Environment:** ESI's solutions offer industrial manufacturers the ability to virtually manufacture future products (casting, sheet metal forming, welding, assembly, additive manufacturing...), to test them across various aspects of their performance, and understand how they will interact with their environment (vibro-acoustics, electromagnetics, fluid dynamics...).

**Additive Manufacturing:** With the ability to virtually model the complex physics involved in different additive manufacturing processes, ESI supports the development of reliable manufacturing methods and helps manufacturers secure the production of quality parts.

**Data Analytics and Predictive Maintenance:** Equipped with powerful data analytics, ESI's software solutions allow you to dive into the data generated by connected objects (IoT) in order to better understand how a product or a manufacturing process behaves when in operation. This ability empowers manufacturers to create realistic **Virtual Twins**, to deliver smarter and connected products, to predict product performance, and to anticipate maintenance needs.

Join us at the CAE Forum in Hall 6/L46 and attend our live presentations:

- *"Modeling of Metallic Additive Manufacturing Processes"* (Monday, April 24th - 12:40 pm)
- *"Industrial Data Analytics Platform for Industry 4.0"* (Tuesday, April 25th - 12:20 pm)
- *"Virtual Prototyping: From Manufacturing to Performance"* (Wednesday, April 26th - 12:20 pm)

- "Developing suitable and energy-efficient drive systems through multiphysics system simulation" (Thursday, April 27th - 12:20 pm)
- "Virtual Car Prototyping in a Realistic Driving Environment" (Friday, April 28th - 12:20 pm)



Image: ESI enables manufacturers to create Virtual Twins of their products, in order to better understand their operational performance and anticipate maintenance.

**When?** 24-28 April, 2017

**Where?** Hanover Fairground, Hanover, Germany

For more info, please visit: [www.esi-group.com/company/events/2017/hannover-messe-2017](http://www.esi-group.com/company/events/2017/hannover-messe-2017)

For additional information, or to book a one-to-one product demonstration with an ESI representative, please contact:

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## About ESI Group

[ESI Group](#) is a leading innovator in [Virtual Prototyping](#) software and services. Specialist in material physics, [ESI](#) has developed a unique proficiency in helping industrial manufacturers replace physical prototypes by virtual prototypes, allowing them to virtually manufacture, assemble, test and pre-certify their future products. Coupled with the latest technologies, Virtual Prototyping is now anchored in the wider concept of the *Product Performance Lifecycle*, which addresses the operational performance of a product during its entire lifecycle, from launch to disposal. The creation of *Hybrid Virtual Twins*, leveraging simulation, physics and data analytics, enables manufacturers to deliver smarter and connected products, to predict product performance and to anticipate maintenance needs.

ESI is a French company listed in compartment B of NYSE Euronext Paris. Present in more than 40 countries, and addressing every major industrial sector, [ESI Group](#) employs about 1200 high-level specialists around the world and reported annual sales of €141 million in 2016. For more information, please visit [www.esi-group.com](http://www.esi-group.com).

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