

# Leveraging Virtual Technology to Accelerate Manufacturing Safety & Production

written by Lauri Moon | October 20, 2020

As manufacturing continues to chart the unprecedented path forward in the face of new realities and considerable disruption, the need to quickly address a very dynamic and evolving shop floor environment has never been clearer.

The dramatic pivots across all segments have invited us all to embrace discussion around resiliency, new normal, and of course “the next new normal.” The need for manufacturers to be able to address safety and production needs has become a key factor in determining which companies are able to respond well in the face of these dramatic headwinds.

Join us as we explore how to accelerate your digital transformation journey by providing your manufacturing workforce and management with proven virtual operations solutions and how virtual technologies can empower you to make mission critical decisions related to safety, production and quality by combining the virtual and the real (V+R). Attendees will discover how the “virtual twin experience” allows you to visualize and optimize your factory during disruptions, and how to establish a full factory scan to create a working virtual twin for your facility.

With your virtual twin in place, we will display a range of key solutions that will directly address your critical manufacturing needs including:

- Using virtual simulation to validate air quality concerns and better address factory floor safety
- Utilizing the virtual twin experience to address social distancing requirements
- Virtually assessing which different products you can produce to answer rapidly changing demand
- Visualizing and validating new workflows, including new lines, and

optimizing production scenario's before creating them

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## Speakers



### **Fred Thomas, DELMIA Strategic Business Development and Marketing Director, Dassault Systèmes**

Fred Thomas is the Global Industry Director for the Transportation & Mobility and Industrial Equipment industries for the DELMIA brand of Dassault Systèmes. Mr. Thomas focuses on manufacturing operations management strategies and solutions to support global, complex discrete manufacturers.

Mr. Thomas spent 12 years with Volkswagen of America as part of the IT leadership team, responsible for manufacturing, distribution, finance and dealership management systems. As Vice President of IT for Ross Roy Communications, his organization was responsible for developing many of Chrysler Corporation's original web sites and interactive advertising programs. Thomas has also held senior management positions with BRAIN NA and Descartes Systems and industry positions with Baan and Novell.



**Adrien Mann, SIMULIA Worldwide Industry Process Expert Director, Industrial Equipment, Dassault Systèmes**

Adrien currently leads globally the development, deployment and enablement of simulation solutions for virtual twins for the Industrial Equipment industry (Manufacturing Equipment, Heavy Machinery, Power & Fluidic Equipment, Building Equipment, and Tire Manufacturing). In the context of the COVID-19 pandemic, Adrien leads the Create Safe Life Environment through Simulation initiative at Dassault Systemes where SIMULIA Fluid Solutions are used to model the transport of droplets by airflow from ventilation systems in various environments such as hospitals, aircraft, offices, factories, trains, etc.

Adrien joined in 2011 Exa Corporation's aero-acoustics application management team (acquired by Dassault Systemes in 2018) where he developed patented technologies enabling the identification of flow noise sources in HVAC systems. He led for 2 years the Cabin Comfort expert group for the Transportation & Mobility industry. He holds a Master of Science in Mechanical Engineering from Stanford University (2011) and a Diplome de l'Ecole Polytechnique in Paris (2009).



**Ignacio Pérez Hallerbach, Vice President, Global Head of Partners & Platform, NavVis**

At NavVis, Ignacio Pérez Hallerbach is a VP and Global Head of Partners & Platform. He is globally responsible for strategic partnerships as well as the partner and platform ecosystem. Prior to joining NavVis, Ignacio worked at McKinsey & Company where he led digital transformation projects for large global corporations and strategy studies in the high tech sector. Ignacio holds degrees in industrial

engineering and in management studies from Cambridge, Warwick and the Karlsruhe Institute of Technology, Germany.

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Dassault Systèmes, the 3DEXPERIENCE Company, is a catalyst for human progress. We provide business and people with collaborative virtual environments to imagine sustainable innovations. By creating 'virtual experience twins' of the real world with our 3DEXPERIENCE platform and applications, our customers push the boundaries of innovation, learning and production.

Dassault Systèmes' 20,000 employees are bringing value to more than 270,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit [www.3ds.com](http://www.3ds.com)

## **About NavVis**

NavVis is the leading global provider of spatial intelligence technology and solutions for enterprises, trusted by top companies including BMW, Daimler, Siemens, Lenovo and Deutsche Telekom.

NavVis helps enterprises drive efficiencies and optimize business performance through its powerful digital twin platform that enables accurate mapping at unprecedented speed and scale, immersive 3D visualization designed for collaboration and navigation apps that pioneer AI-powered positioning technology.

Founded in 2013, NavVis is headquartered in Munich and has offices in New York and Shanghai. For more information, visit [www.navvis.com](http://www.navvis.com).