

# Factory Efficiency - How to Become Lean, Green and Save Money

written by Lauri Moon | October 20, 2020

Almost every business is facing pressure to become more sustainable. This push might be coming from your customers, your employees, your investors, or from your own vision of what you'd like to do.

You may fear that becoming more sustainable will drive up your organization's costs. However, the opposite is often true: Sustainability and factory efficiency go hand in hand, leading to cost savings and customer satisfaction.

We have put together a panel including Autodesk, Trane Technologies, ProModel and Oak Ridge National Laboratory to share ways you can use digital simulation tools today to drive efficiency and sustainability from the process level to the factory floor, as well as discuss research on new processes that may change the industry tomorrow.

Some of the key topics we will cover include:

- How sustainability and factory efficiency trends may impact you
- How to leverage simulation to select better performing and less costly materials
- Factory level simulation tools for greenfield and brownfield plants that save material and energy
- Research on energy saving solutions for additive and subtractive manufacturing

See how technology can help you simultaneously reduce your energy use, material waste and labor, as well as enable a switch to recycled materials. Plus bring your own questions about sustainability for our vibrant Q/A.

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## **Speakers**



### **Chas Sullivan, Sustainability Customer Engagement Manager, Autodesk**

Chas Sullivan is a Sustainability Customer Engagement Manager at Autodesk, where he helps Autodesk's Product Design and Manufacturing customers leverage technology to realize their sustainability and impact goals. Before joining Autodesk, Chas worked at Strataysys for eight years in various roles and most recently managed a team of application engineers who supported customers across automotive, aerospace, consumer products, industrial manufacturing, and entertainment industries. He has a background in Mechanical Engineering, specializing in additive manufacturing, manufacturing engineering, CAD tools, and sustainability.



### **Richard Lee Jameson, Polymer and Metallurgical Engineering Leader, Trane Technologies**

Richard Jameson leads a global engineering team at Trane Technologies that is responsible for the development and application of leading edge technologies using plastics, composites, metals, and alloys. He has over 25 years of experience in

research and application development of materials in challenging applications, multiple industry awards and patents, and is on the Board of Directors for the North Texas Chapter of SPE (Society of Plastics Engineers).

Sustainability is at the forefront of the Trane Technologies business strategy. Richard knows that early development decisions around design, material choice, and manufacturing methods are critical to achieving their sustainability goals. Through the development of advanced material solutions and capabilities, he and his team are leveraging these early development stages to design sustainability into the products of Trane Technologies.



**Andrew Schild, Sales Director, ProModel Corporation**

Andy Schild is a Sales Director with ProModel and has been with the company for 12+ years working with Manufacturing & Logistics clients to help leverage ProModel's Simulation Solutions to help drive efficiency gains in Manufacturing and in Supply Chains. Prior to ProModel, Andy worked in Sales roles in the Industrial Automation space and graduated with a BS in Industrial & Systems Engineering from Rochester Institute of Technology (RIT).



**Kyle S. Saleeby, R&D Staff Member, Oak Ridge National Lab, Manufacturing Demonstration Facility**

Kyle Saleeby is a R&D Staff Member at Oak Ridge National Lab in the Manufacturing Demonstration Facility. His research involves connecting machines and manufacturing processes with Industry 4.0 and IoT technologies. His current focus centers on applications of data analytics for Hybrid Manufacturing processes. Kyle received his B.S. degree in mechanical engineering from MIT (2017) and his

M.S. degree in mechanical engineering from Georgia Tech (2019). He is currently pursuing a PhD degree from Georgia Tech, focusing on agent-based open data architectures for manufacturing processes.

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