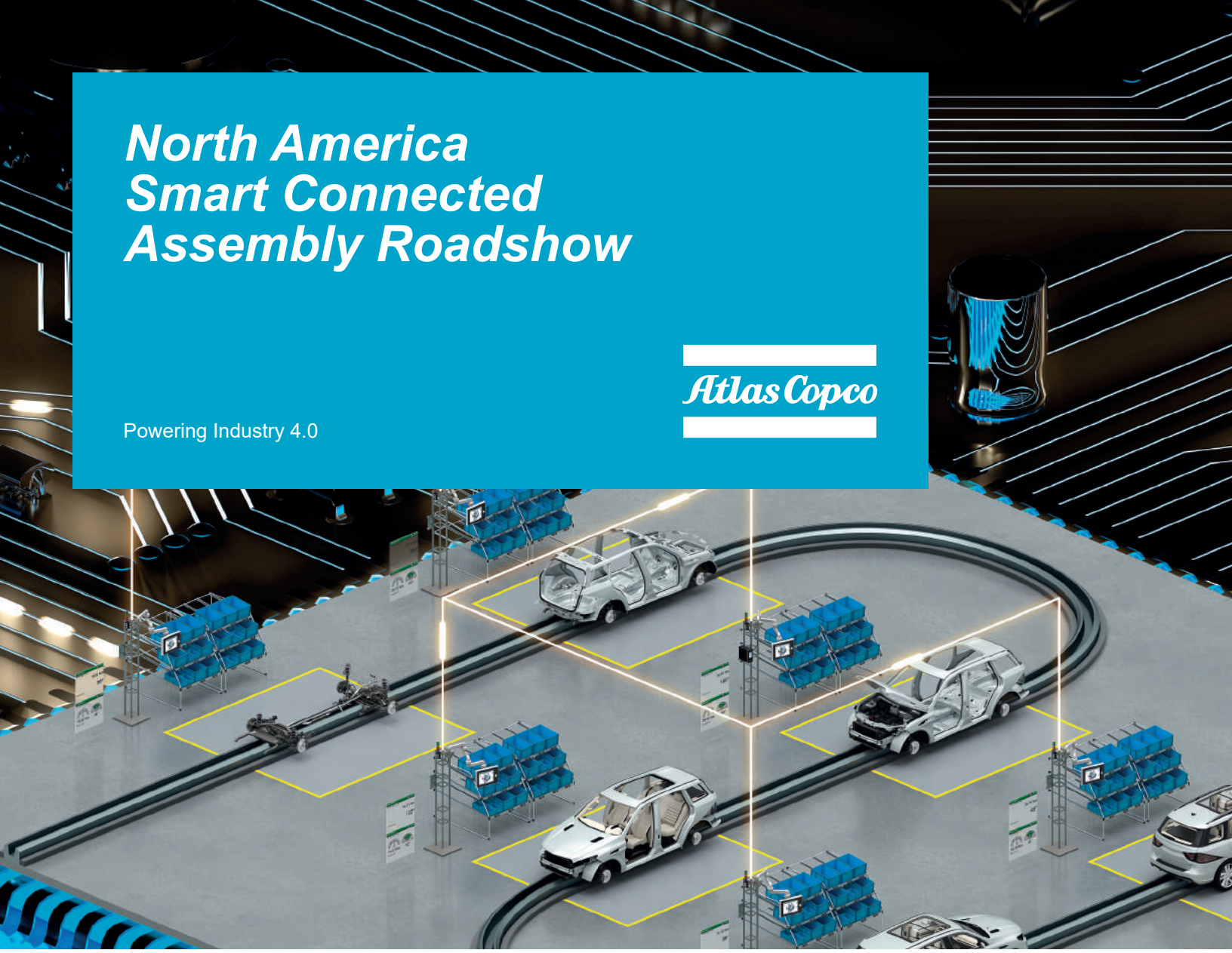
North America Smart Connected Assembly Roadshow

Powering Industry 4.0



The Atlas Copco Smart Connected Assembly Roadshow is powering Industry 4.0 by bringing live demonstrations of our solutions straight to our customers. New challenges are emerging, and new benefits of Smart Connected Assembly are developing at the same time. The evolution of the assembly process is being driven by Industry 4.0, the fourth industrial revolution which is digitizing manufacturing and assembly. Our roadshow offers us an opportunity to present unique demonstrations of our solutions and software to customers who are considering the benefits of Smart Connected Assembly.

WANT THE TRUCK TO VISIT YOU?

We want to connect with you. We want to hear your needs and present our solutions. To achieve this goal, we are sending our brand new NA Smart Connected Assembly Roadshow on a tour through the United States, Mexico and Canada. Visit the truck when it stops near you! Alternatively, you can also request the truck come to your site, simply visit our website and fill out a request.

Discover the six pillars of value

The roadshow is a perfect way to demonstrate the potential value and benefits of Industry 4.0 – also known as our "six pillars of value" framework. We demonstrate these values using our smart, integrated products and software solutions alongside a data-driven approach.

INCREASED UP-TIME

Our Smart Connected Assembly products help increase tool up-time by combining a traditional approach for preventative maintenance with a more data-driven approach for predictive maintenance. With our solutions, maintenance tasks are determined by the condition of the equipment rather than the average expected lifetime statistics. The dramatically improved data analytics capability and the sophisticated maintenance models means repairs can be scheduled at a time that minimizes the impact on production.

Increased Up-Time

REDUCTION IN DEFECTS

By integrating applications for part verification and documentation, operator guidance and pick-to-light solutions, you can achieve a reduction in defects and rework. The operator guidance application visualizes all process steps and data such as camera images to direct the operator through the assembly process. Along with that, the pick-to-light system ensures the selection of the correct parts in the right quantities for versatile production processes.

Reduction in Defects

INTRODUCING NEW PRODUCTS

Introducing new products often requires adding or moving production equipment around. Our smart Connected Assembly technology decentralizes and virtualizes control logic, which means processes and operations can be added or moved without re-allocating or purchasing new hardware. A change in software configuration simplifies the process and reduces the cost of installing wiring, cabinets and boxes on the assembly line.

Introducting New Products

IMPROVED PRODUCTIVITY

Atlas Copco's smart process monitoring and analysis software, ToolsNet for example, helps increase productivity by reducing the need for rework and improving the end-product quality. This software enhances the capability to monitor, document, analyze, and continuously improve the assembly process to reduce the number of "not OK" assemblies.

Improved Productivity

REDUCED TRAINING NEEDS

Smart Connected Assembly software solutions offer enhanced operator guidance, resulting in fast recognition of rework process, increased traceability in assembly and manual operations, better error proofing and increased data analysis and plant monitoring. This way, less operator training is required when introducing a new model or changing the assembly process.

Reduced Training Needs

REDUCED ENERGY USE

Using Smart Connected Assembly solutions to virtualize control logic significantly reduces the energy used in production. Having one physical machine controlling multiple processes significantly increases the potential for saving energy. For factories powered by wind and solar, reducing energy consumption is more than a cost reduction – it is necessary to meet environmental policies.

Reduced Energy Use