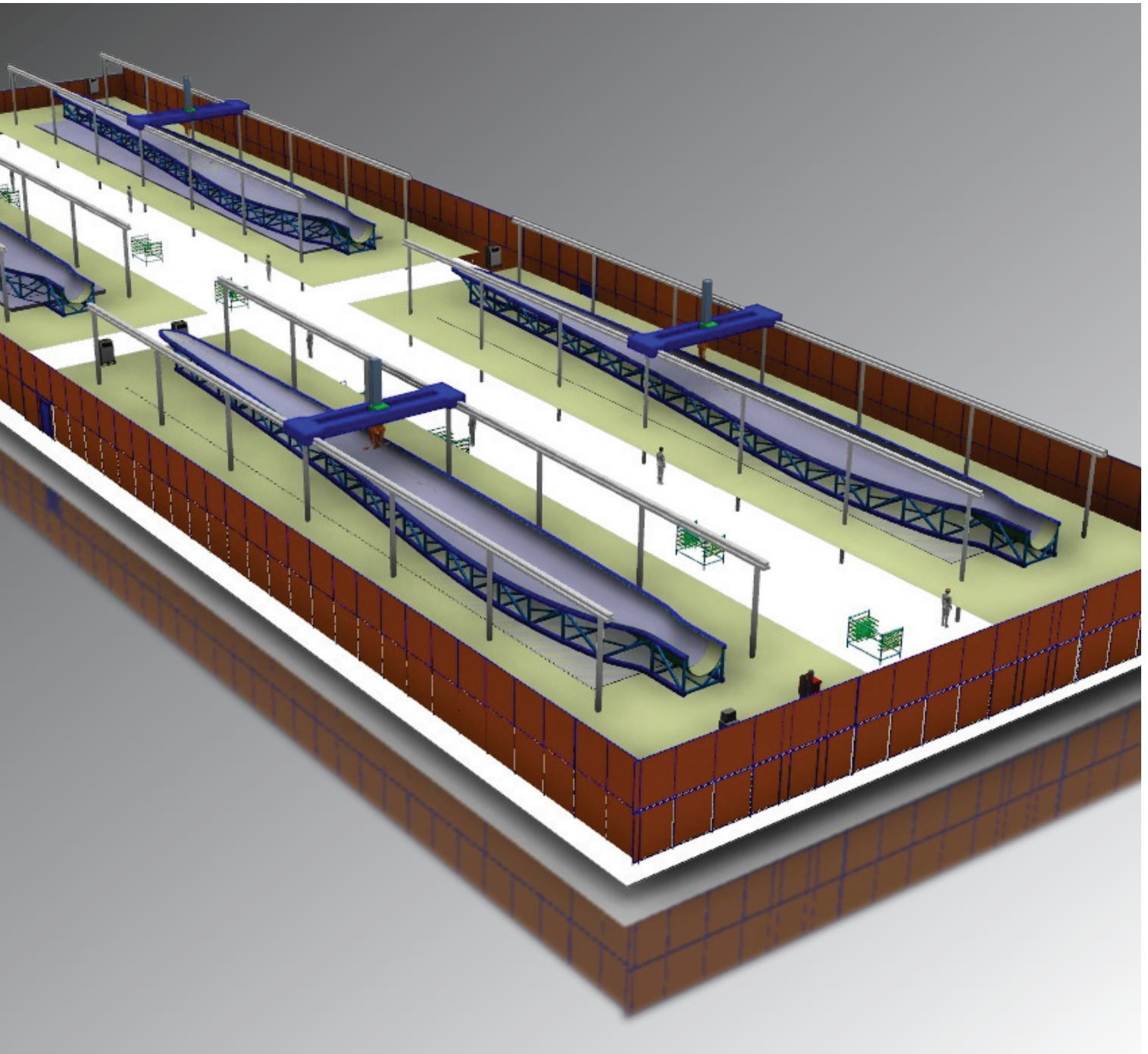


# WIND TURBINE MANUFACTURING PLANNING

ENERGY, PROCESS & UTILITIES

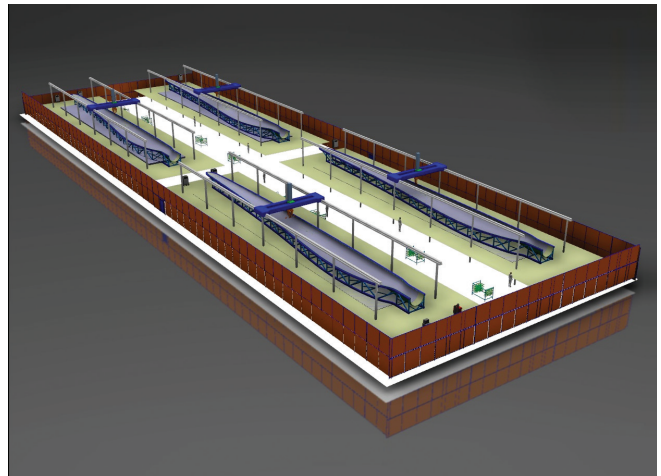


# Plan for Global Production

*DELMIA's Wind Turbine Manufacturing Planning solution for the Energy, Process & Utilities Industry provides complete process coverage for the manufacturing planning and simulation of parts including rotors, nacelle towers and wind blades.*

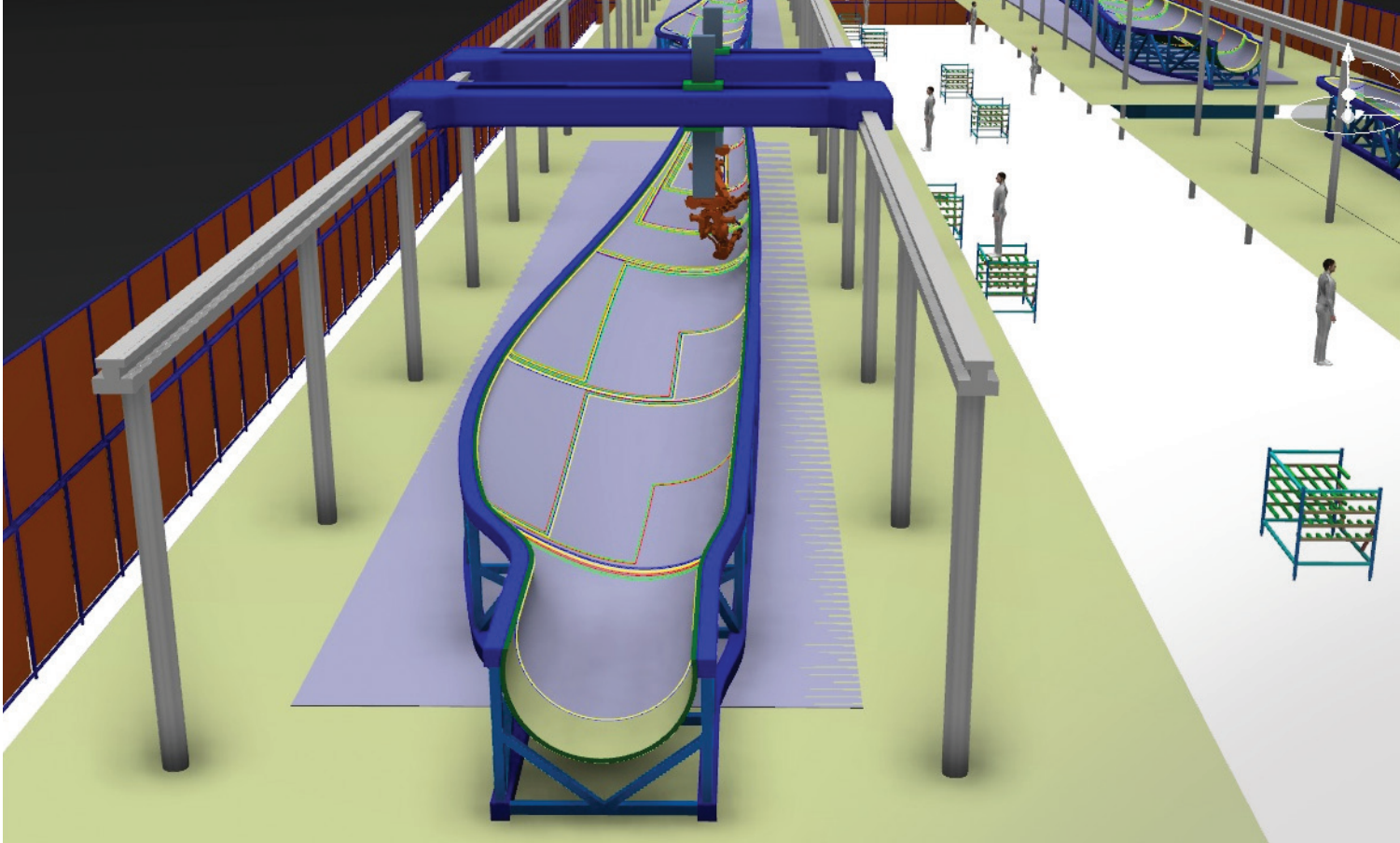
DELMIA's Energy, Process & Utilities Wind Turbine Manufacturing Planning solution enables manufacturers to develop high quality products faster with lower costs. This is accomplished by focusing on streamlining the process for moving conceptual designs into physical manufacturing.

The solution benefits many departments within a company. Process planners can capture, standardize and re-use proven production practices. Robot programmers and control engineers reduce costs by reusing existing production assets for new model introductions. The result is complete process traceability to manage the impact of engineering changes, which reduces costs and minimizes project delays.



Flexible and scalable manufacturing and assembly process development.





Production quality control for blades.

## INDUSTRY CHALLENGES

- How to eliminate unnecessary waste and reduce both direct and capital costs?
- How to evaluate alternate manufacturing techniques prior to implementation?
- How to capture manufacturing knowledge and reduce cycle time?
- How to facilitate collaboration among distributed locations of Design, Planning, Manufacturing and Installation teams?

## SOLUTION HIGHLIGHTS

- Integrated planning, simulation and manufacturability analysis
- Flexible and scalable manufacturing and assembly process development
- Production quality control for blades

## SOLUTION VALUES

- Reduce the number of physical prototypes
- Shorten design-to-manufacture time with concurrent process development
- Develop and optimize new automated (robotized) manufacturing systems
- Increase plant flexibility to produce more
- Improve efficiency by standardizing and reusing production best practices

## USERS

- Simulation Engineers
- Manufacturing Planners



## Delivering Best-in-Class Products



Virtual Products



Model and Simulate our Planet



3D Design



Information Intelligence



Realistic Simulation



Dashboard Intelligence



Digital Manufacturing and Production



Social Innovation



Collaborative Innovation



3D Communication

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