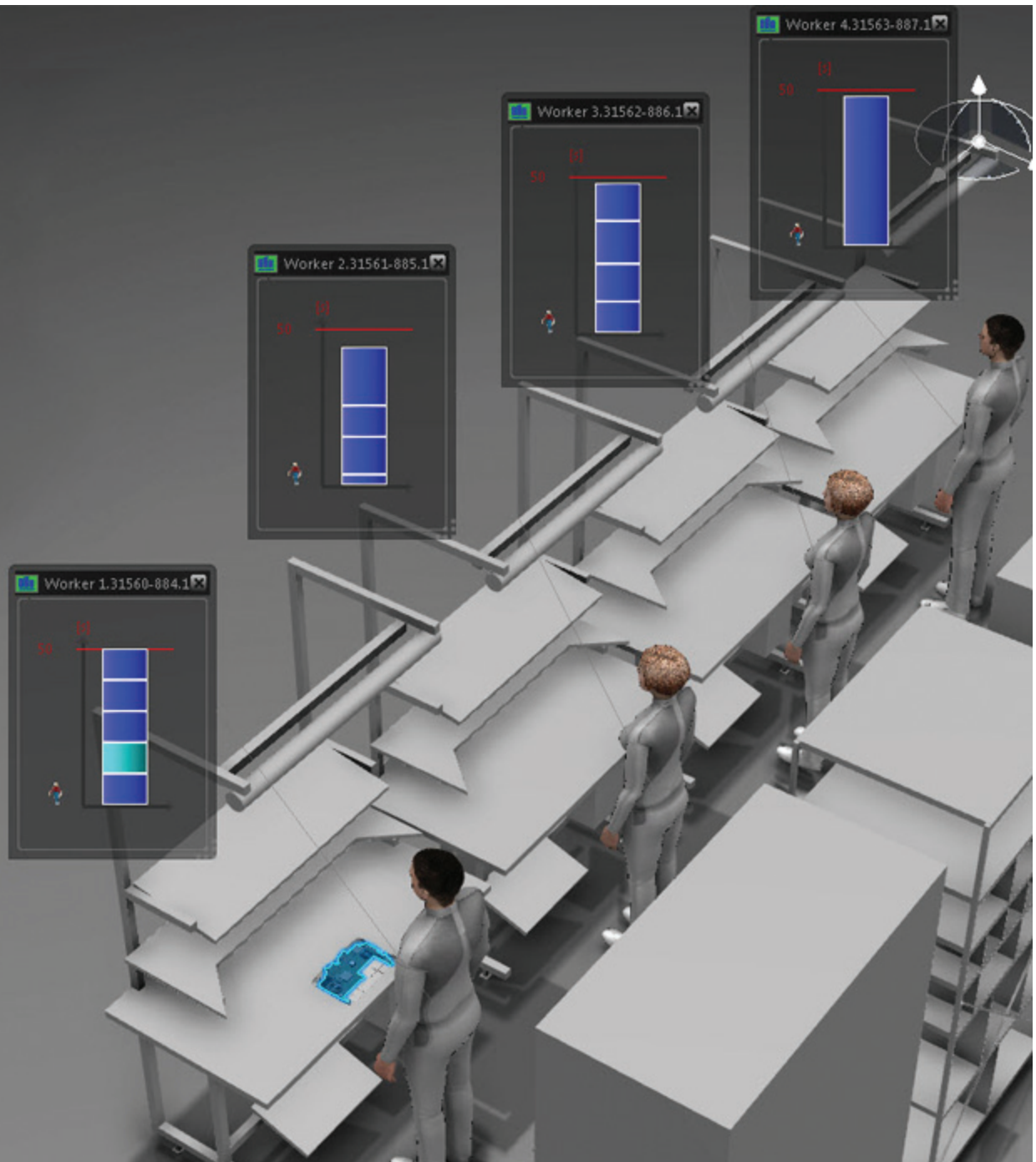


FINAL PRODUCT ASSEMBLY

HIGH TECH

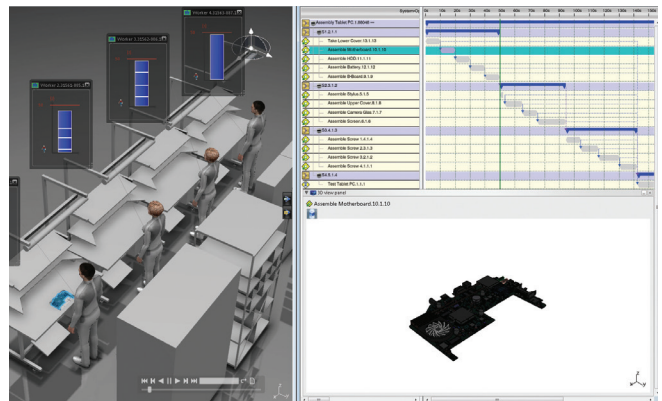


Curb Manufacturing Costs During Design

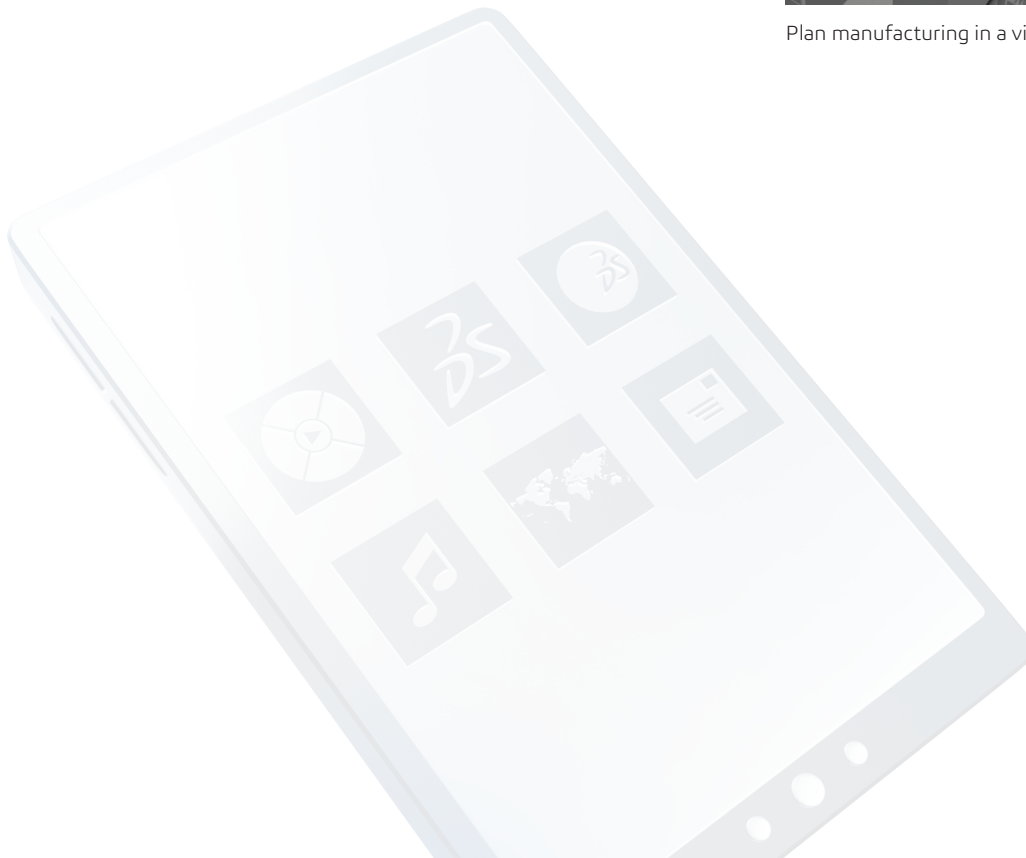
DELMIA's Final Product Assembly solution for the High Tech industry lets manufacturing planners design, validate and ensure the quality of manufacturing and production operations while maximizing factory output.

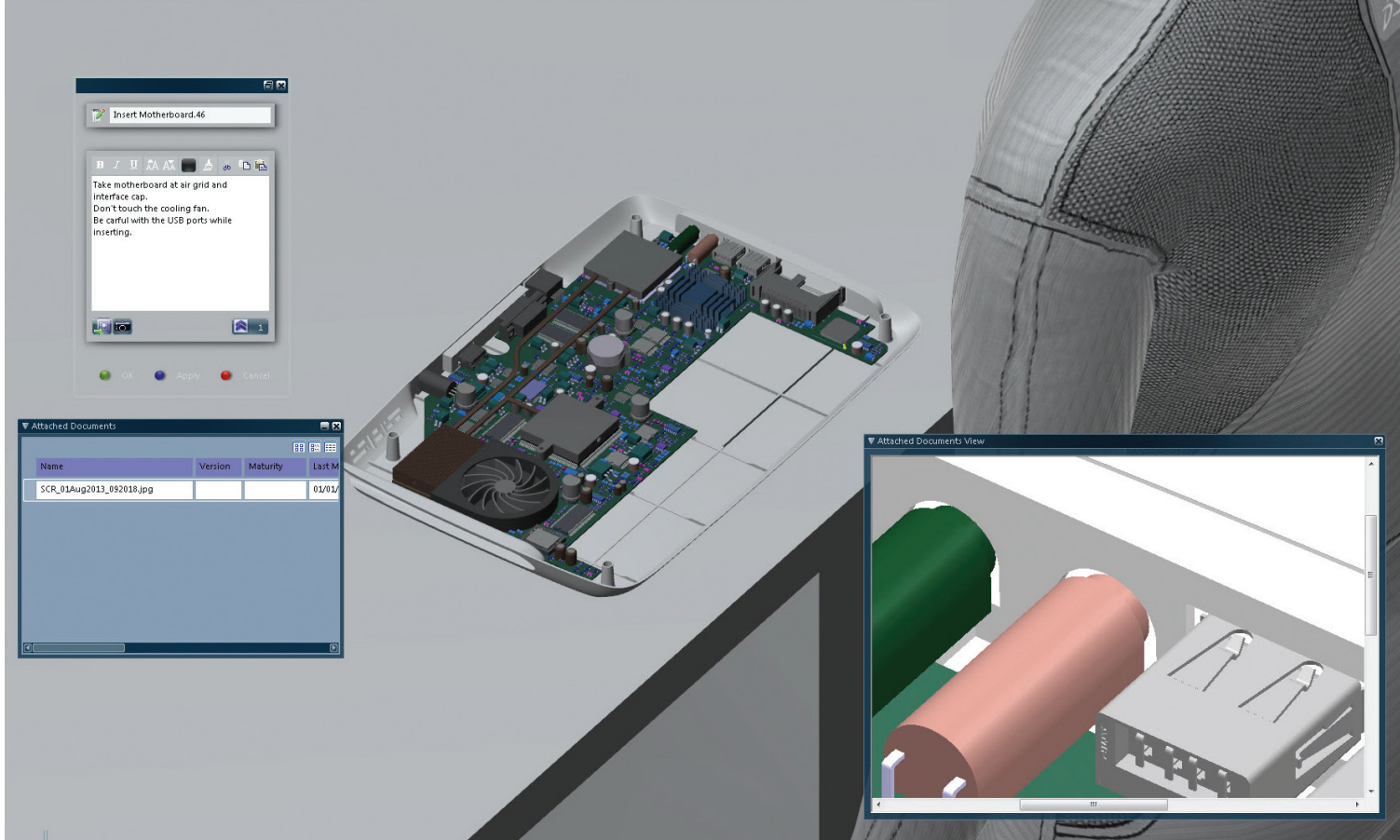
DELMIA's High Tech Final Product Assembly solution provides a collaborative approach to the validation of product design in the context of manufacturing process and resource plans. The validation addresses assembly feasibility and sequence, time estimation, and resource balancing including human labor and related human factors constraints. This allows manufacturers to reduce the need for costly and time-consuming prototypes of product and tooling equipment.

The manufacturing planner can leverage the process plan to produce detailed Assembly Work Instruction documentation. The validated work instructions can be delivered to the shop floor in a precise and unambiguous manner resulting in reduced costs, improved first-time quality and a shortened learning curve for shop floor workers.



Plan manufacturing in a virtual model of the production facility.





Distribute precise 3D work instructions directly to the shop floor.

INDUSTRY CHALLENGES

- How to rapidly develop new production technology to build increasingly complex products?
- How to meet aggressive production launch dates and volume ramp-ups that are stretching the production resource capacity?
- How to compete in a mass market with huge demand variability that drives the requirement for flexible manufacturing systems?

SOLUTION HIGHLIGHTS

- Validate product design in an assembly and manufacturing context
- Plan manufacturing in a virtual model of the production facility
- End-to-End process traceability to manage engineering changes impacts, cost and delays
- 3D Work Instruction authoring from the process plan

SOLUTION VALUES

- Validate assembly feasibility early in the design cycle
- Distribute precise 3D work instructions directly to the shop floor
- Rapidly develop new manufacturing systems for increasingly complex products
- Improve the product development process with design for manufacturing and efficient change management
- Reduce manufacturing costs and time-to-market with precise work instructions
- Reduce risks through early product-process collaboration for production validation

USERS

- Manufacturing Planner
- Manufacturing Simulation Engineer
- Project Reviewer



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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