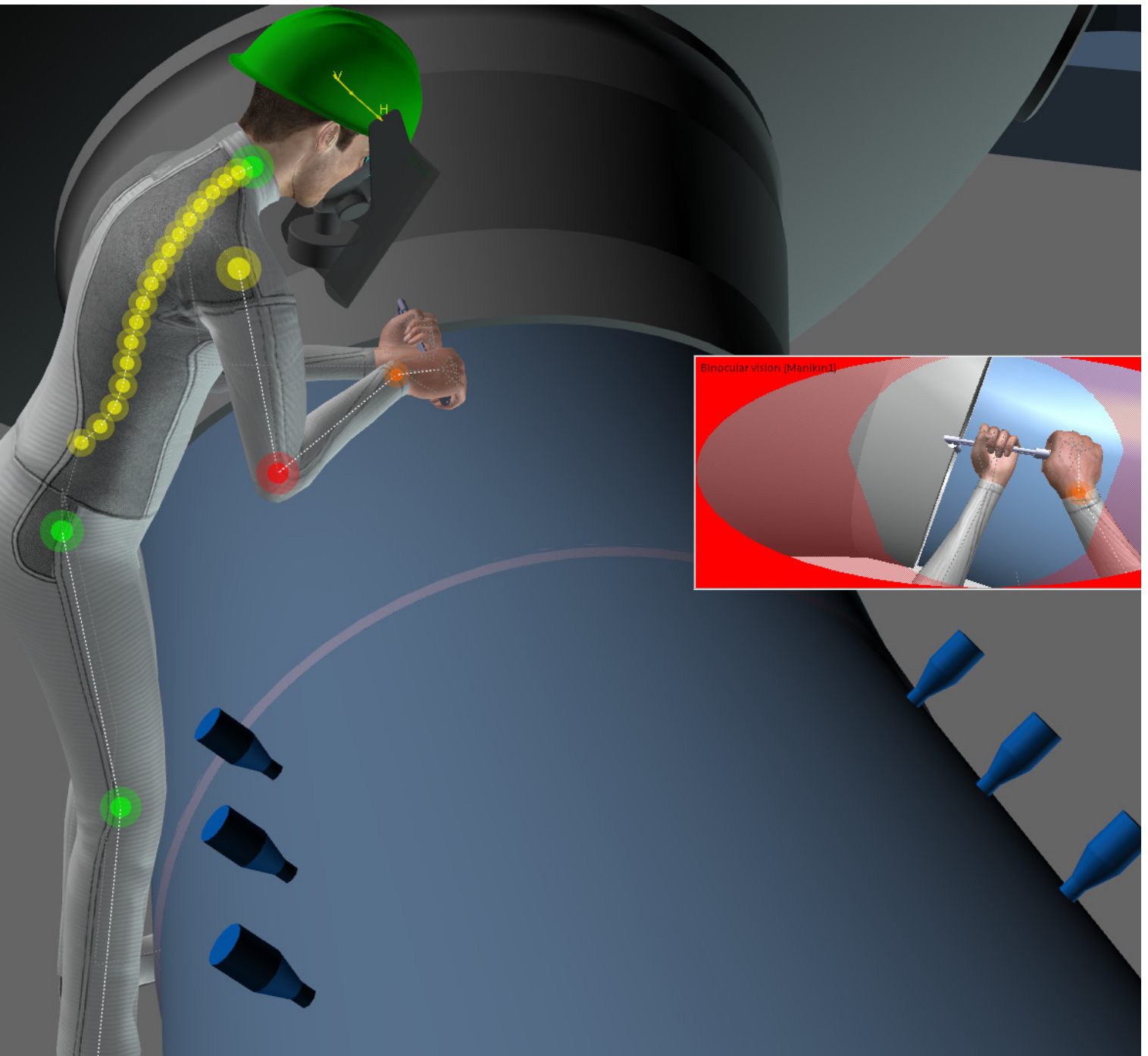


VIRTUAL MAINTENANCE 4D SIMULATION

ENERGY, PROCESS & UTILITIES

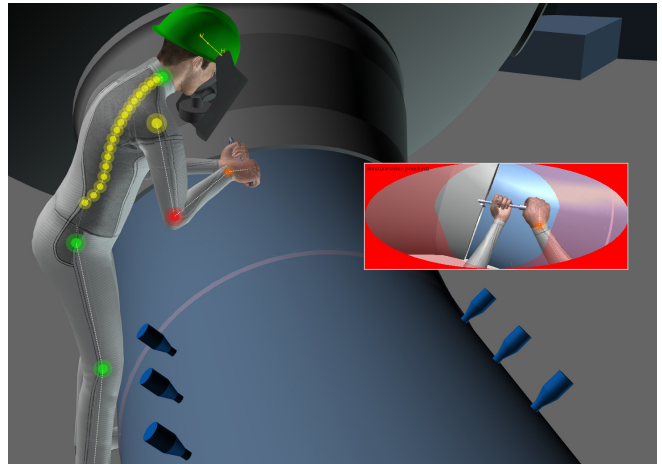


Validate and Optimize Outage Schedules in 3D

DELMIA's Virtual Maintenance 4D Simulation solution for the Energy, Process & Utilities Industry minimizes uncertainty and reduces risk in your capital intensive projects.

DELMIA's Energy, Process & Utilities Virtual Maintenance 4D Simulation solution allows you to plan virtual maintenance activities based on a 3D plant model to plan, validate and capitalize complex maintenance scenarios. This includes performing effective human safety, accessibility and operations studies. You can also identify equipment installations and removal paths without clashes and ensure proper clearance, as well as conduct the planning and simulation of viable mechanical and equipment kinematics.

DELMIA's Energy, Process & Utilities Virtual Maintenance 4D Simulation solution can help minimize uncertainty in the schedule and understand the exact impact of operational requirements prior to work in the field. It enables you to assist the training of crane operators and plan remote robotics movement without costly operation disruption. All of these simulations are targeted to reduce the risk of costly project delays.



Perform effective Human Posture analysis, Accessibility and Operations studies.





Simulate Human tasks and validate against ergonomic requirements.

INDUSTRY CHALLENGES

- How to validate complex maintenance and refurbishment project activities
- How to improve maintenance quality, safety and efficiency
- How to easily explain tasks and share information with other stakeholders

SOLUTION HIGHLIGHTS

- Perform effective Human Posture analysis, Accessibility and Operations studies
- Identify equipment installation and removal path without clashes and enough clearance
- Simulate complex tasks and operations; replay the data; capture knowledge and reuse
- Plan and simulate viable Mechanical and Equipment Kinematics

SOLUTION VALUES

- Validate and optimize Outage schedule in 3D
- Flexible solution for Schedulers, Planners and Simulation Engineers
- Enhance Health & Safety with human simulation and detailed ergonomic analysis
- Capture and reuse knowledge and best practices
- Integrate with any scheduling system
- Train workers in a virtual reality, immersive and interactive environment

USERS

- Maintenance Engineer
- Safety Engineer



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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