



fe.screen
planning, simulation
virtual commissioning **SIM**

NEW version 5



A MILESTONE
IN VIRTUAL COMMISSIONING

Version 5 of the fe.screen-sim simulation tool sets new benchmarks
in performance and photorealistic visualisation of digital twins

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RENDERING ON A NEW LEVEL

- // Systems can be simulated almost photorealistically.
- // The visualisation of elements including shadows, lighting and reflections are more realistic than ever before.



MORE ROBOTS MAXIMUM SYNERGY

- // Uncomplicated programming, simulation and testing of robots independent of type and manufacturer using the 'RoboDK' plug-in - interactions and interfaces are checked in advance across the entire network.
- // Robot path optimisation using AI through collaboration with 'Eleven Dynamics'.



HOSE PACKAGES? NO LONGER A PROBLEM!

- // Small details often determine the success of complex projects: Hose packages can cause delays and costs if they collide with other system objects and the collision is only discovered during actual commissioning. V5 provides a remedy here and enables simulation including this detail.

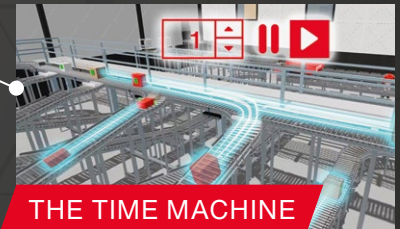
V5 GIVE ME fe.screen HIGHLIGHTS SIM

- // The V5 offers significant performance advantages thanks to F.EE's own render technology.
- // Optimum utilisation of the graphics card ensures a particularly efficient and smooth display - even of highly detailed CAD models.



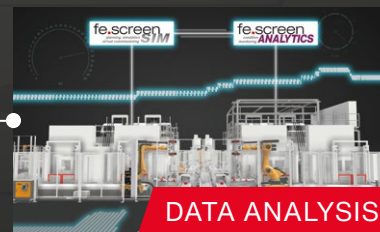
NEW PERFORMANCE MAXIMUM

- // A new controller has been added to allow you to 'play with time'.
- // Completely new analysis options: Evaluate fast-moving processes in slow motion and visualise very long processes - such as entire production days - in fast motion.



THE TIME MACHINE IN THE SIMULATION

- // By connecting the condition monitoring tool 'fe.screen-analytics', measured values can be displayed live in the simulation and systems can be tested even more efficiently.



DATA ANALYSIS ON THE DIGITAL TWIN

- // Comparison of different scenarios based on collected analysis data and determination of maximum throughput.