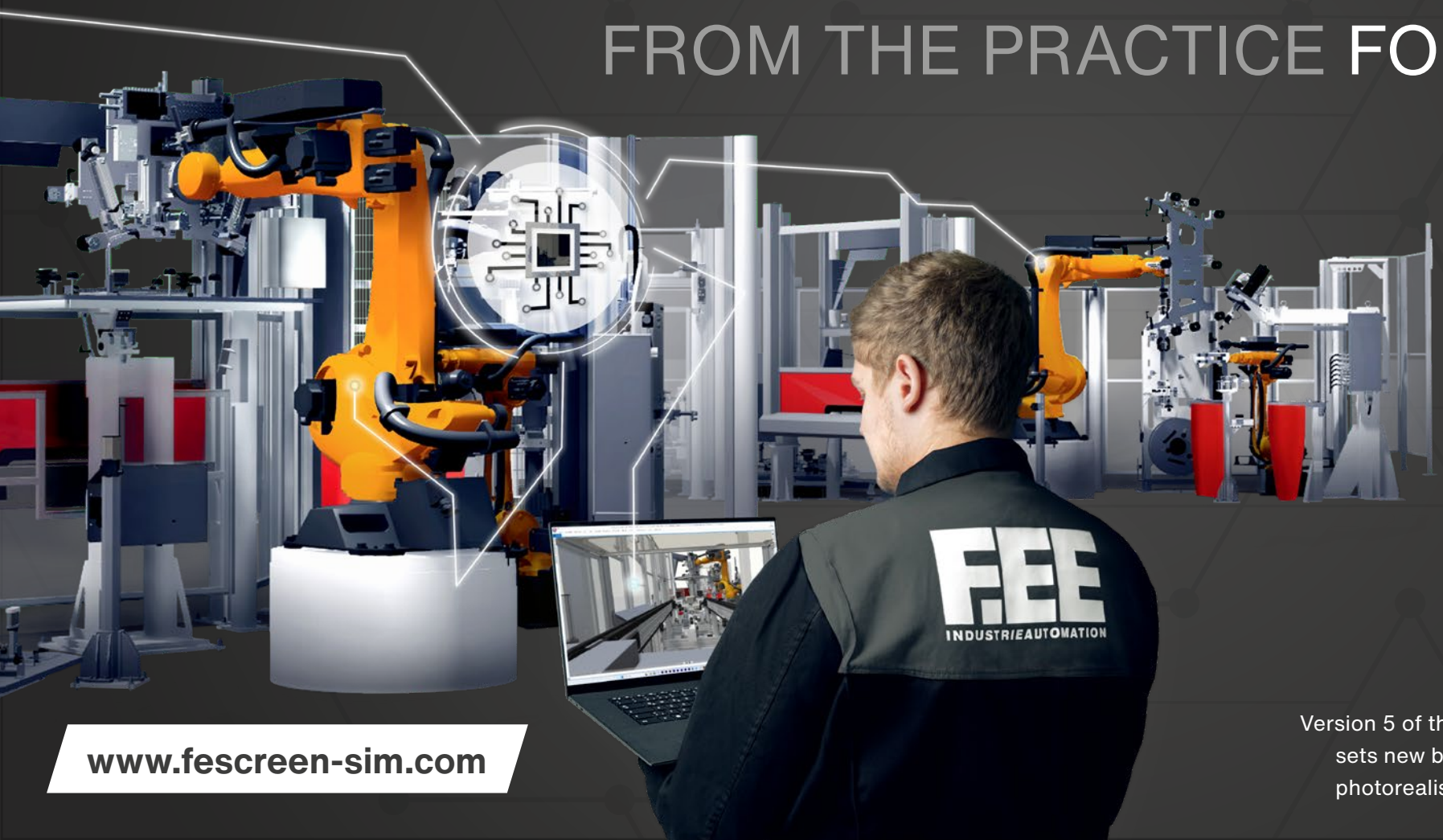
FEE

fe.screen SIM
planning, simulation
virtual commissioning

VIRTUAL COMMISSIONING

FROM THE PRACTICE FOR THE PRACTICE



www.fescreen-sim.com

GIVE ME 5!

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

V5 GIVE ME

fe.screen-sim | THE SIMULATION TOOL FROM THE FIELD

THESE FEATURES MAKE THE DIFFERENCE

fe.screen planning, simulation virtual commissioning SIM

// Thanks to its extremely high power and performance, fe.screen-sim also impresses when **simulating large systems with multiple controllers.**

HIGH PERFORMANCE

MULTI-USER CAPABILITY

// Several users can **work on a simulation model in parallel – without switching between simulation and editing mode.** This ensures high realisation speed and significantly reduces the time and cost factor. and cost factor considerably.

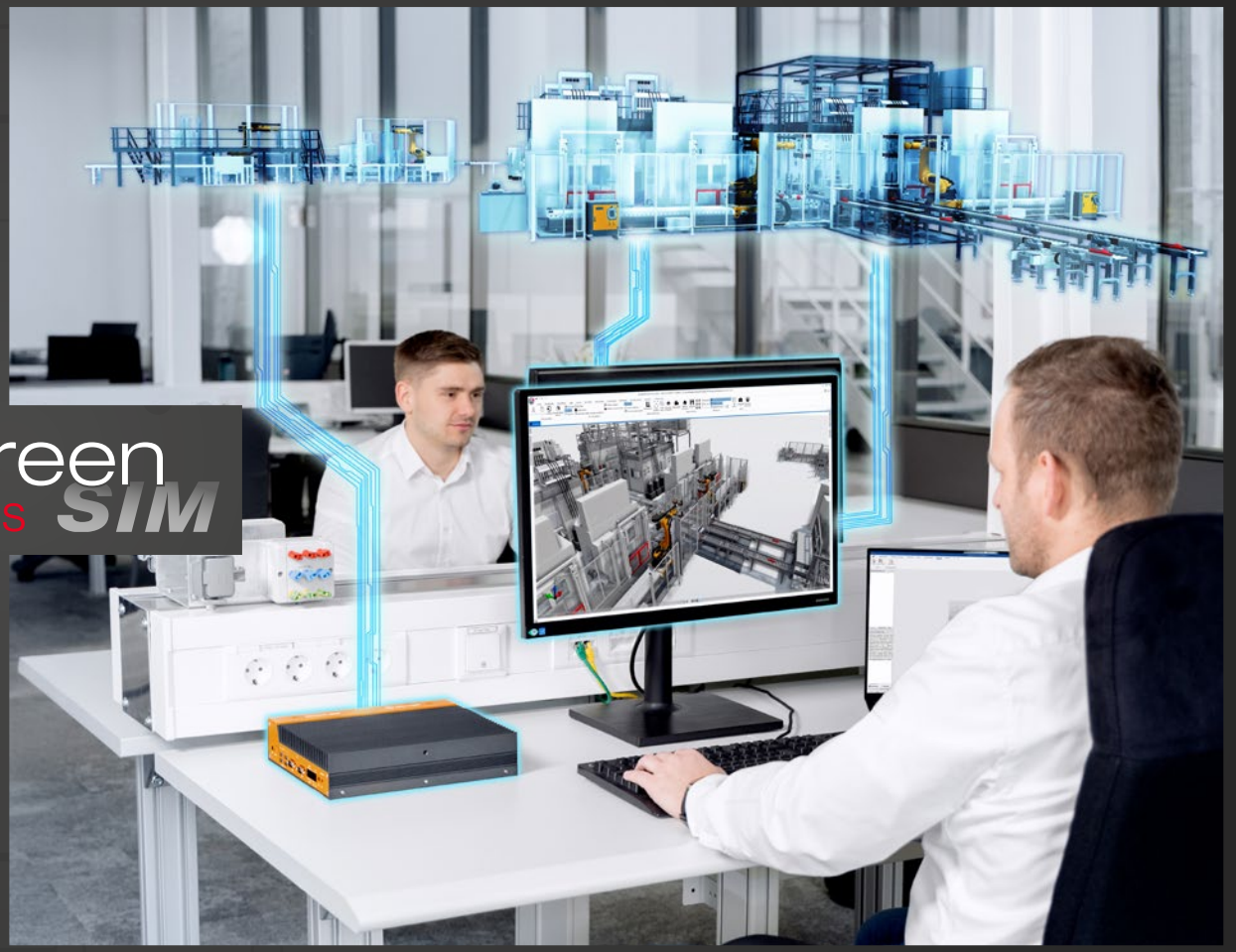
fe.screen FEATURES SIM

CROSS-TECHNOLOGY SIMULATION

// With fe.screen-sim, a **wide variety of technologies** can be easily integrated into the system simulation - including roller conveyors, EMS, Power&Free, AGV and robots.

OPEN AND EXPANDABLE INTERFACES

// In addition to **manufacturer-independent compatibility** with third-party systems, fe.screen-sim also offers the option of implementing your own functionalities using the **API programming interface** and the **Software Development Kit (SDK).**



As one of the German market leaders in manufacturing and automation technology, we at F.EE use fe.screen-sim ourselves and therefore know what is important when creating digital twins in practice. This expertise also flows into the continuous further development of the simulation software and makes fe.screen-sim one of the leading tools in the field of virtual commissioning.

fe.screen-sim | VERSION 5
A MILESTONE IN VIRTUAL COMMISSIONING

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// Systems can be simulated almost photorealistically.

// The visualisation of elements including shadows, lighting and reflections are more realistic than ever before.

RENDERING
ON A NEW LEVEL

NEW PERFORMANCE
MAXIMUM

// 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.

// 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'.

MORE ROBOTS
MAXIMUM SYNERGY

V5
GIVE ME

fe.screen SIM
HIGHLIGHTS

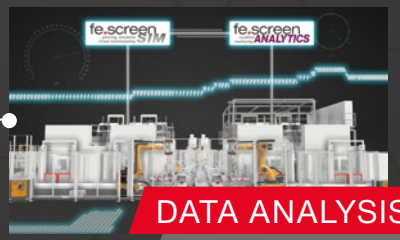
THE TIME MACHINE
IN THE SIMULATION

// 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.

// As automation specialists, we at F.EE know from our own experience that 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.

HOSE PACKAGES?
NO LONGER A PROBLEM!



DATA ANALYSIS
ON THE DIGITAL TWIN

// 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.

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