

Digital Transformation with Siemens

Digital Business Media Day
October 13, 2022 – Berlin, Germany

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Siemens Digital Industries





Industry is everywhere





Decarbonization

20%

Energy efficiency

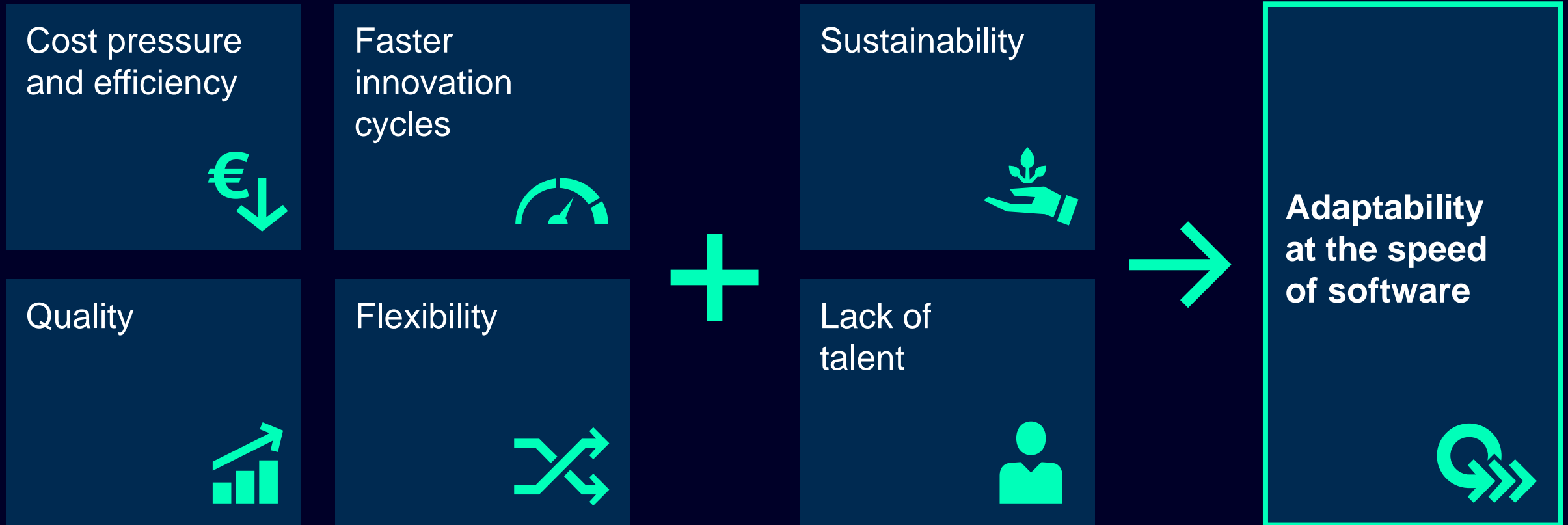
37%

Resource efficiency

Only 13%

Sources: [WEF](#) | [IEA](#) | [Accenture](#)

Industry's challenges are multiplying – with new ones being added all the time







Real

Digital

Before: process-driven

Following pre-defined processes and steps



Now: data-driven

Flexible decisions for continuous optimization



Leverage the full value of data from sensor to edge to cloud



100TB/h



all
Netflix movies



Siemens Xcelerator

Our vision to accelerate
the digital transformation
of industry

Easy – open – flexible.



- 
- A black and white photograph of a spiral-bound notebook lying on a dark, textured surface. The notebook is open to a blank page, and a pencil is resting on the bottom right corner of the page. The spiral binding is visible on the left side of the notebook.
- ☐ Start with business problem
 - ☐ Build modular solution
 - ☐ Stay in control



Productivity

SIEMENS

- Structured lean digital factory
- Smart robotics
- AI-powered process controls
- Predictive maintenance
- One of WEF's worldwide Lighthouse Factories



Efficiency

VERTICAL FARMING

- Digital Twin for indoor farming
- Higher yields
- Less water consumption
- No pesticides



Sustainability

NORTHVOLT

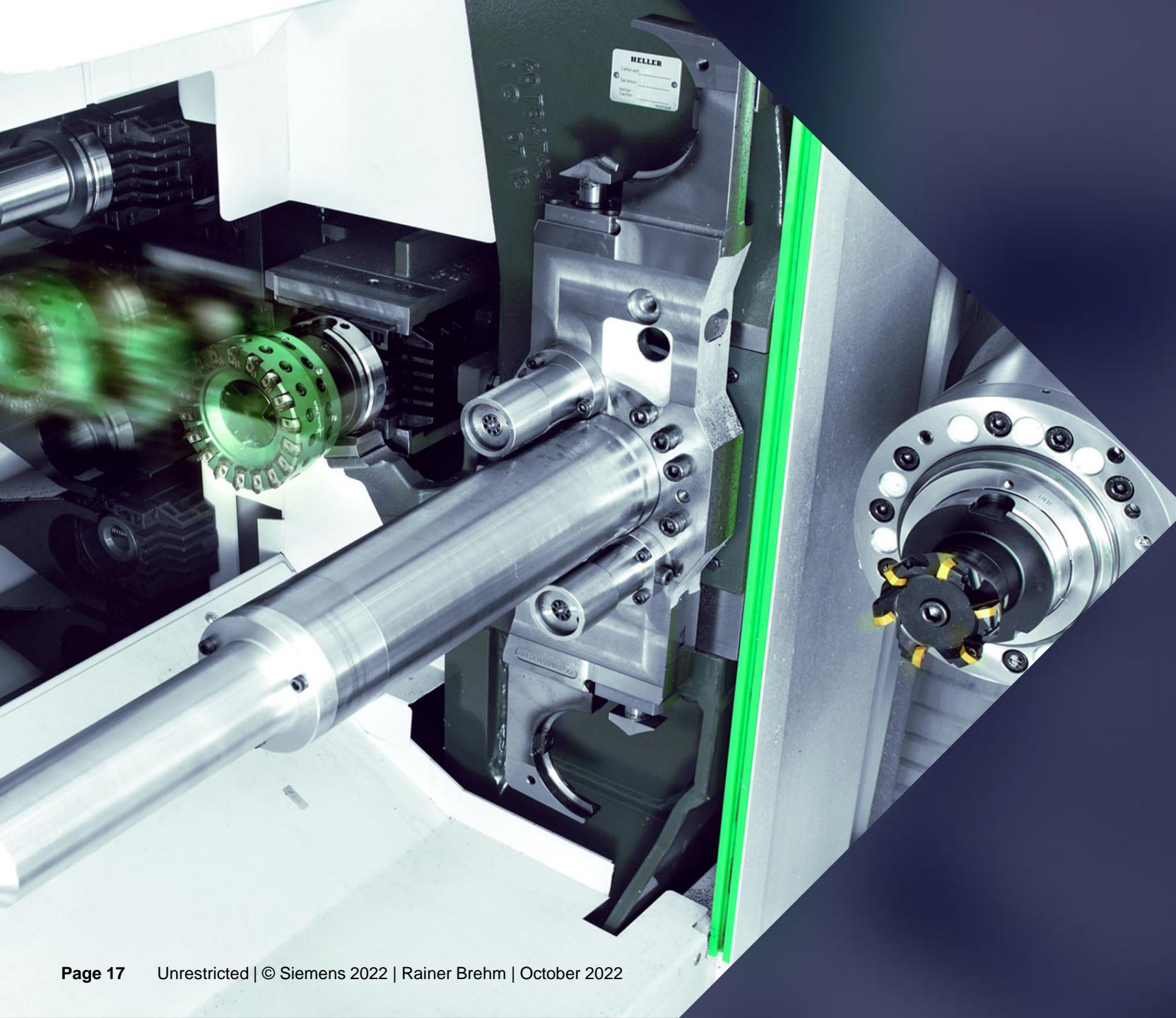
- Digitalized manufacturing processes
- Reduce carbon footprint across the value chain
- Help recycling of lithium batteries



Speed

PHARMACEUTICAL COMPANY

- Digital Twin
- Anticipate failures
- Optimize quality
- Self-Learning throughout the vaccine lifecycle



New Business Model

HELLER

- “Hardware as a Service”
- From basic functionality to premium feature at press of a button

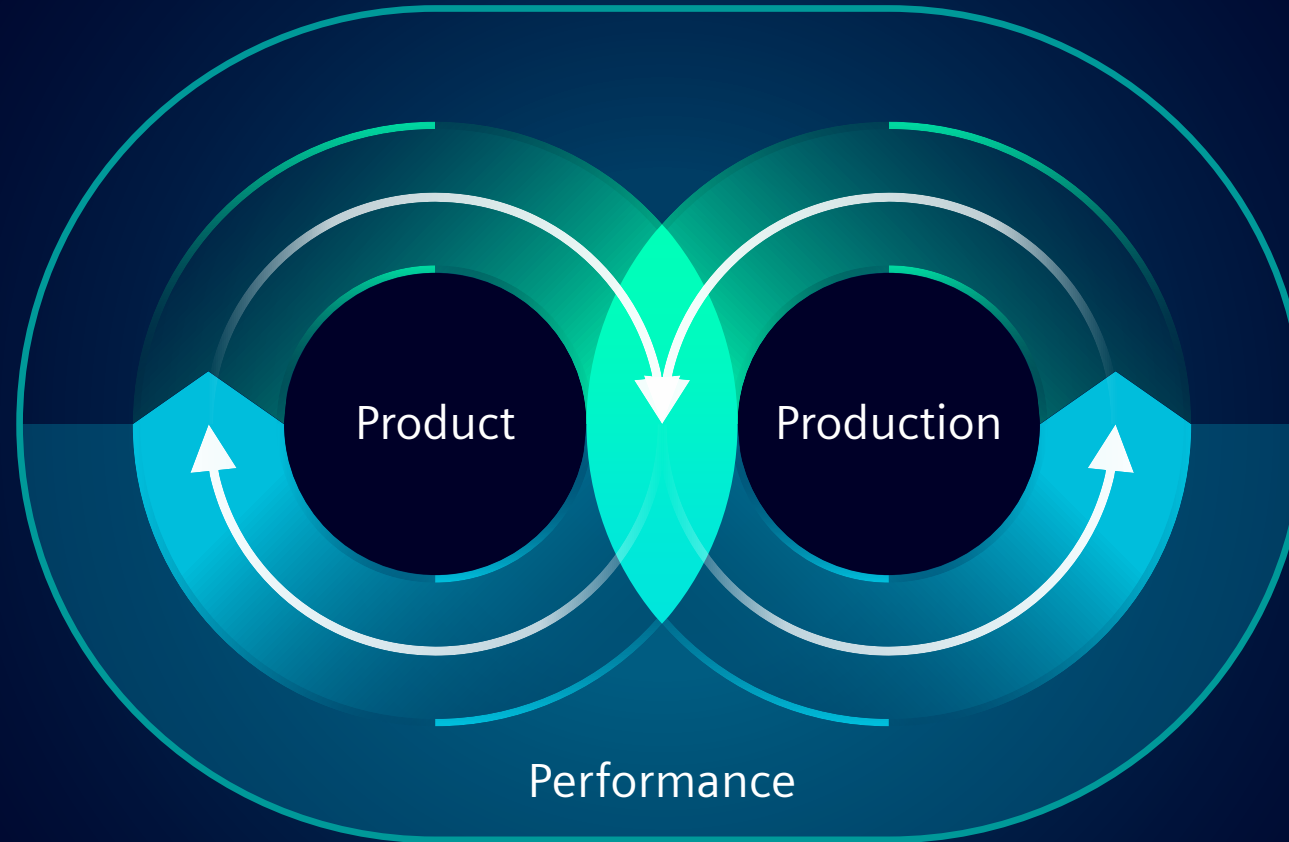
Growing Siemens Xcelerator partner ecosystem



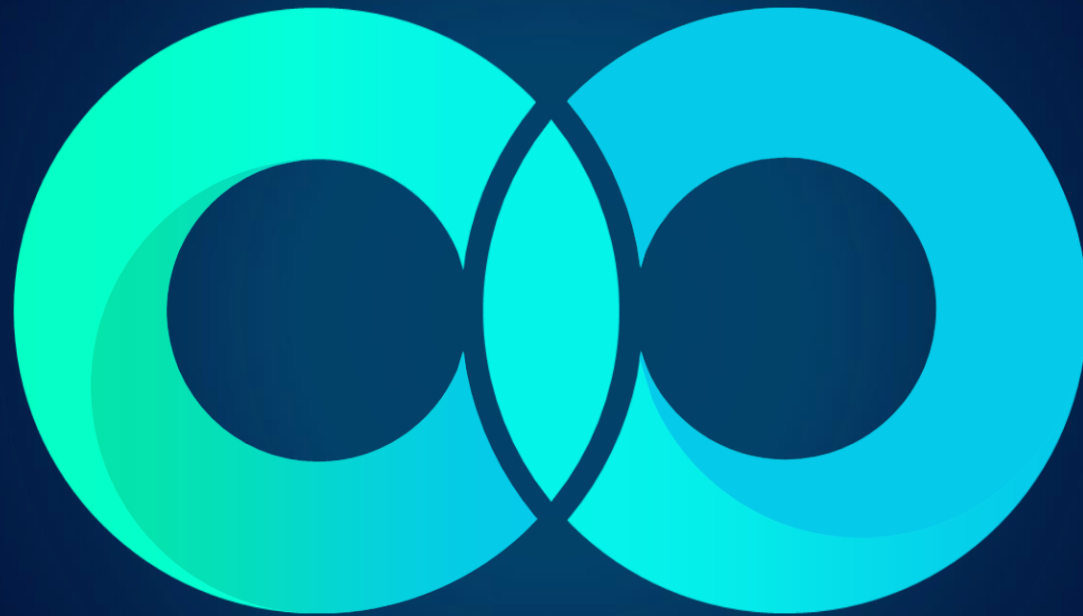


**If you can
dream it,
you can
make it**

Digital world



Real world



Digital Enterprise



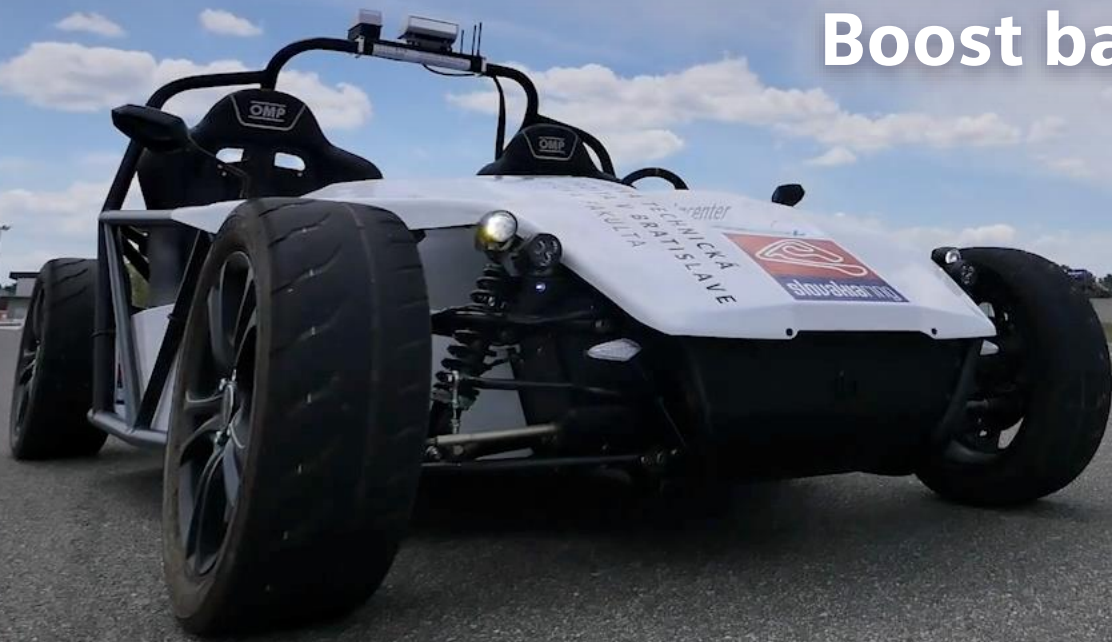
Reduce component weight

Increase energy efficiency

Improve aerodynamics

Boost battery performance

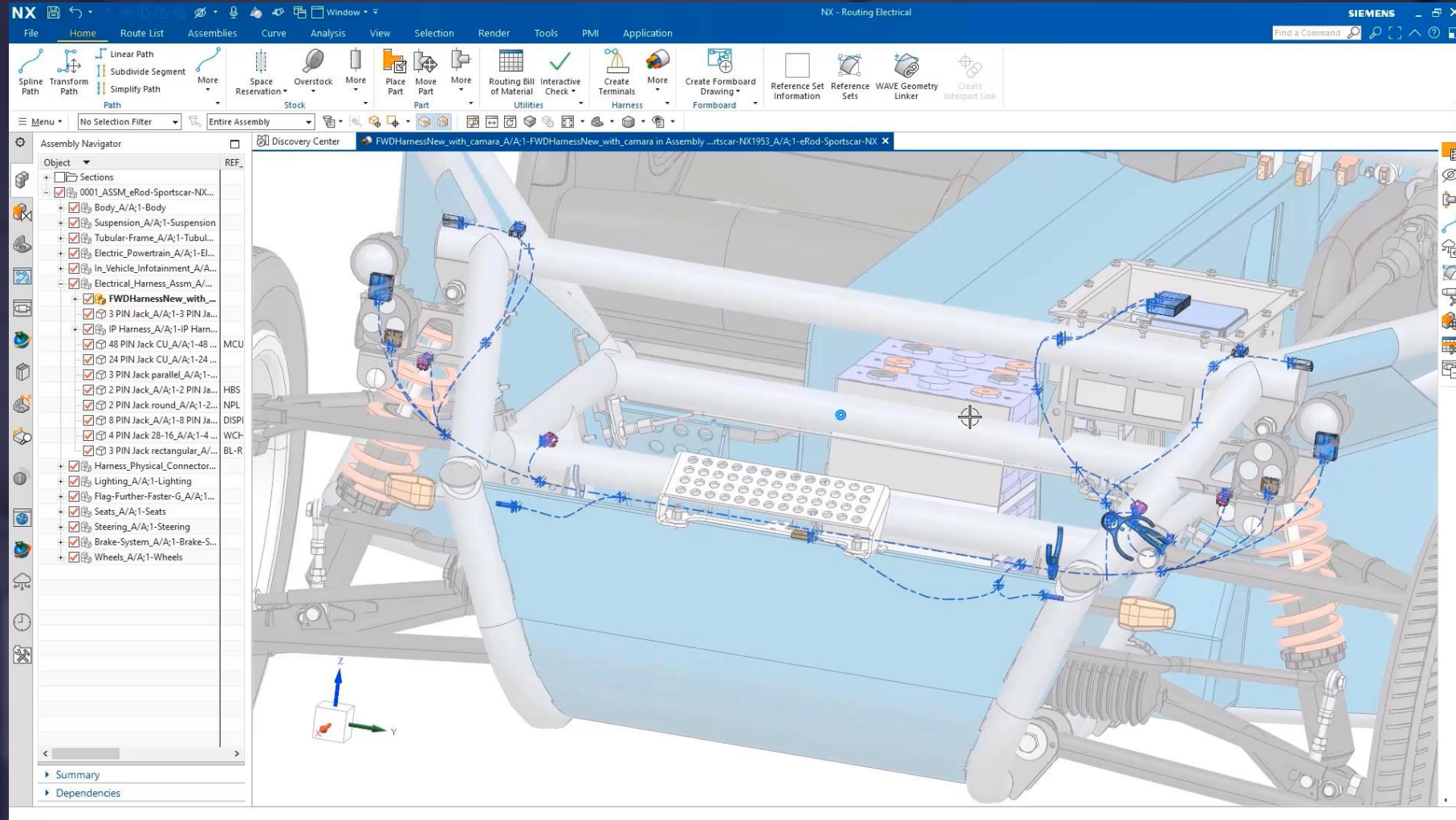
Optimize e-powertrain

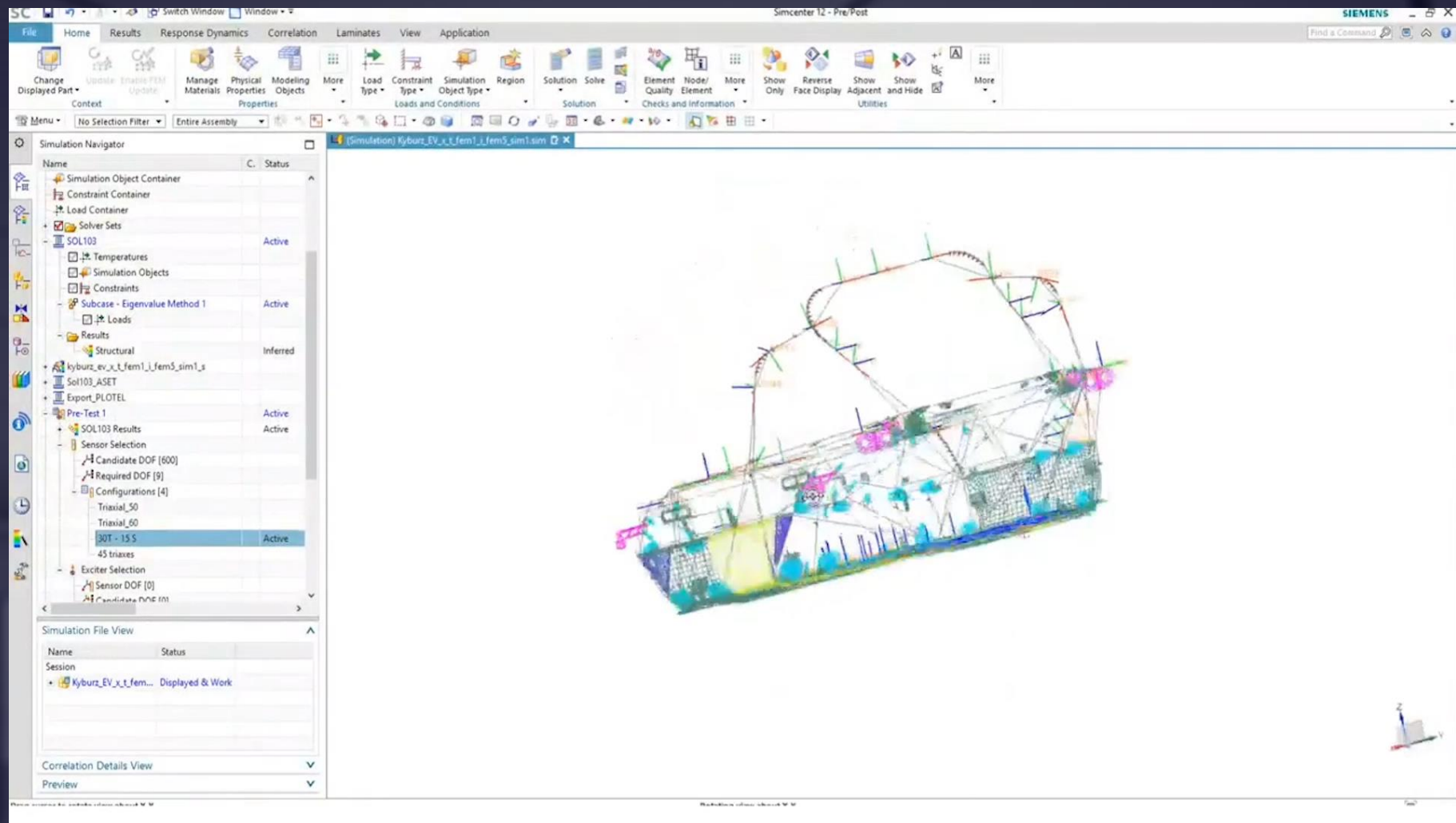


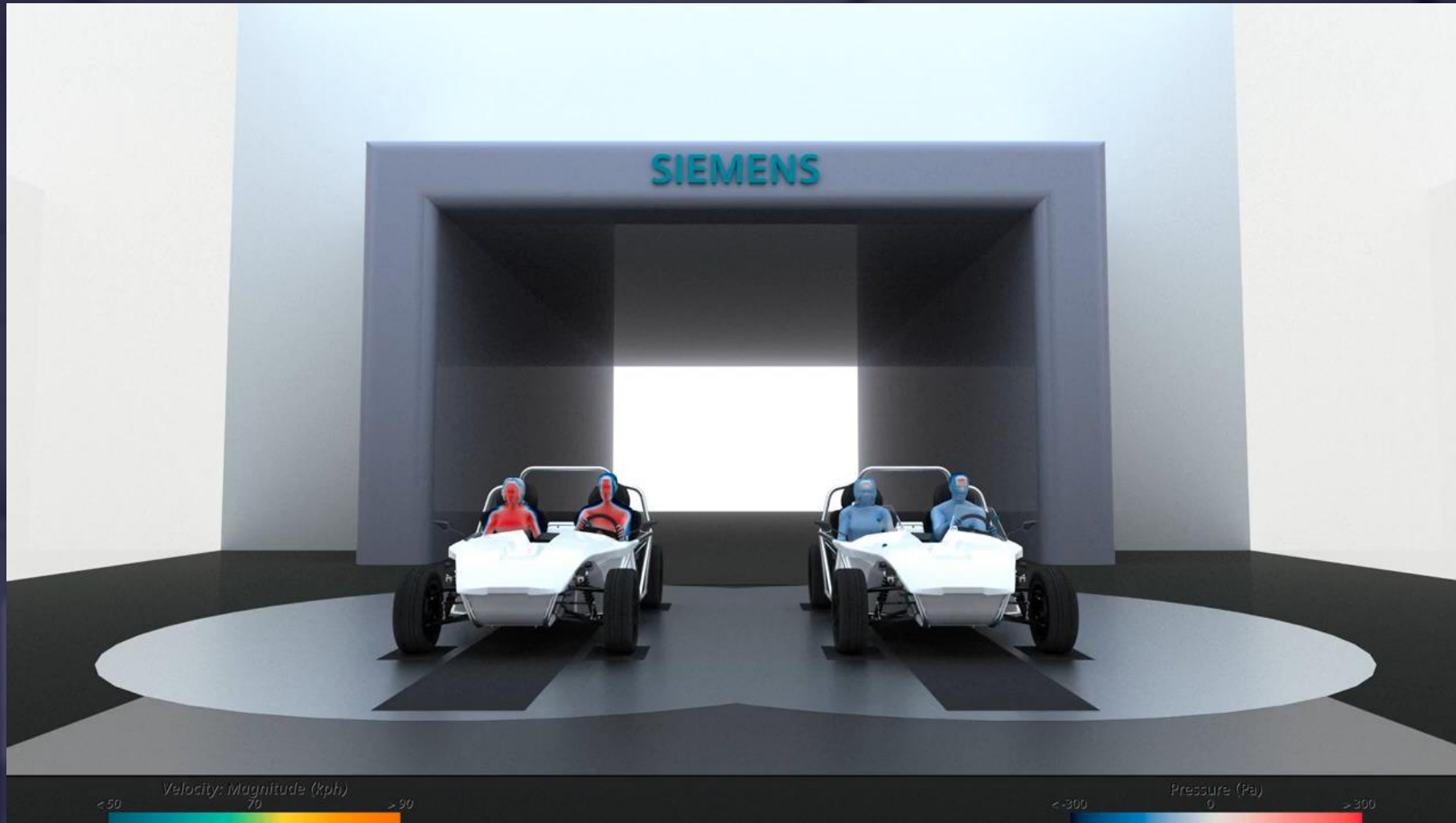
DIGITAL TWIN

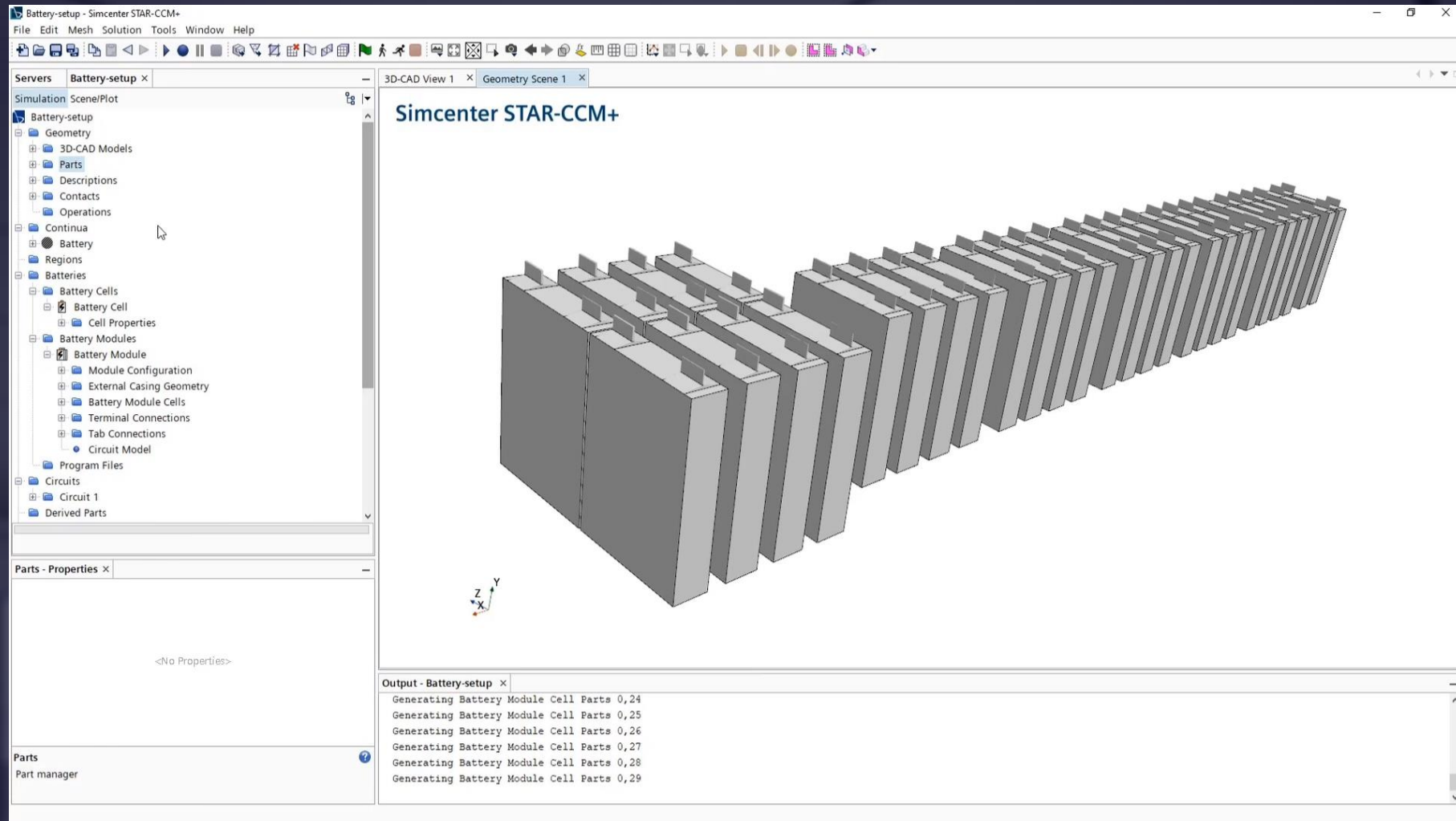
DIGITAL TWIN FOR PRODUCTS



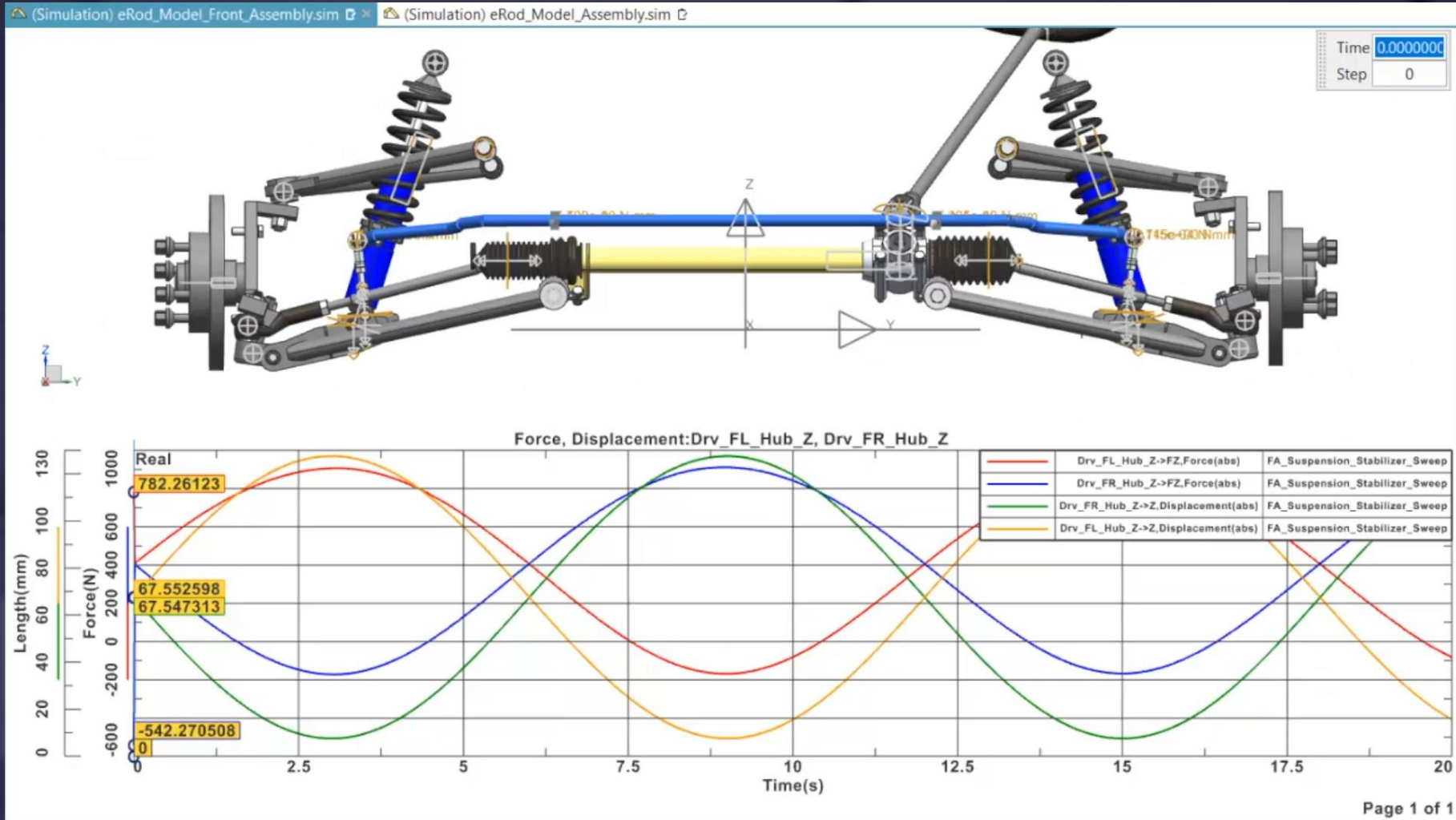


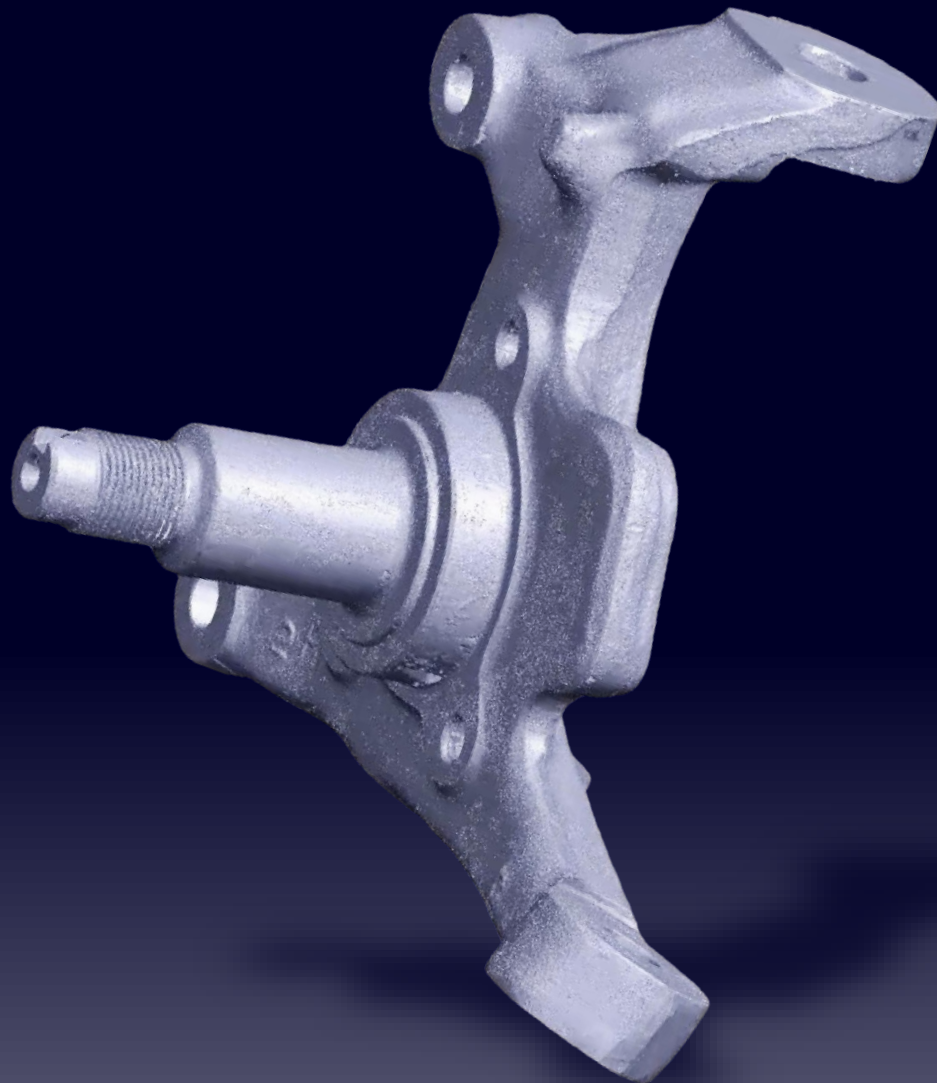


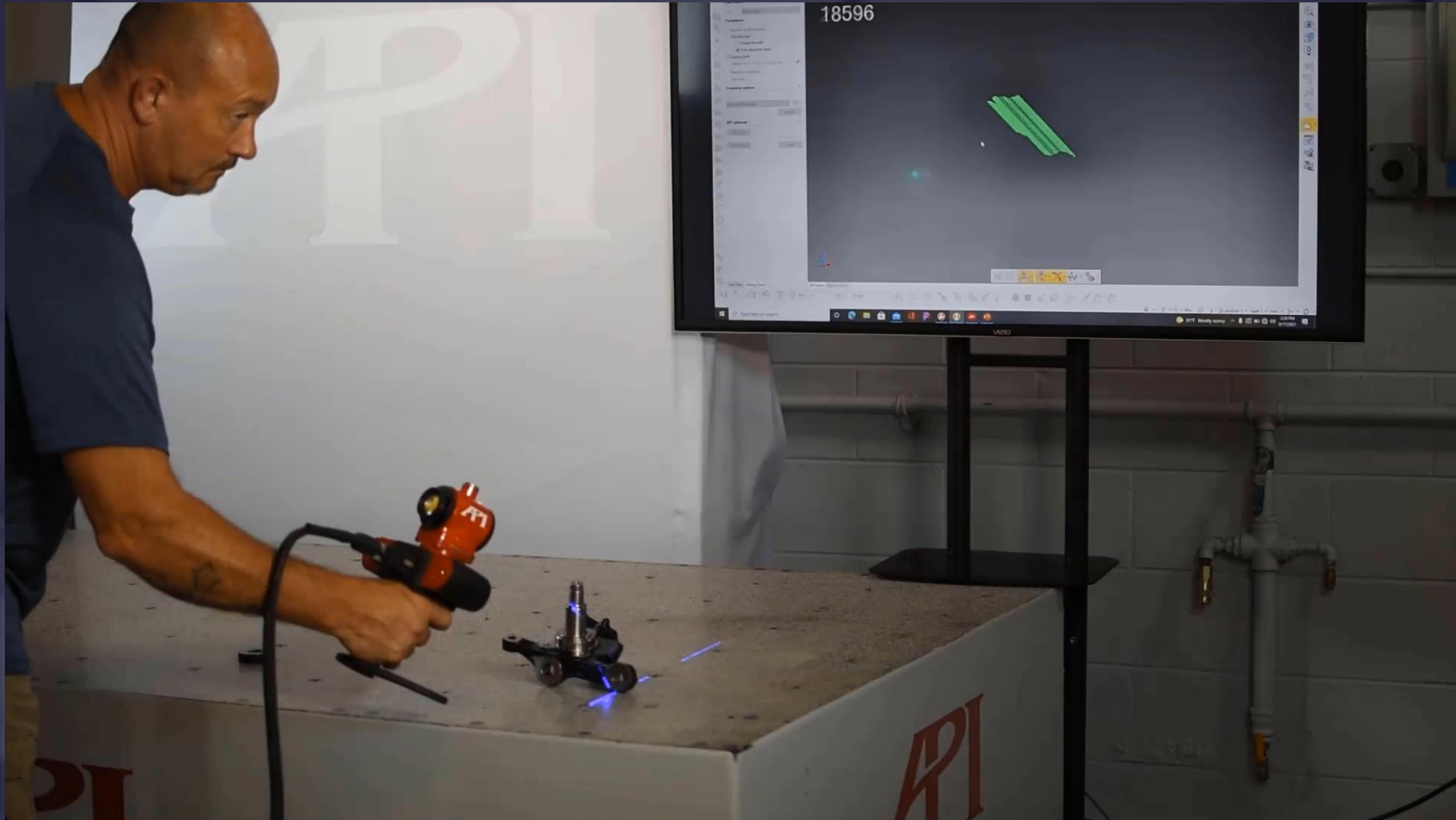








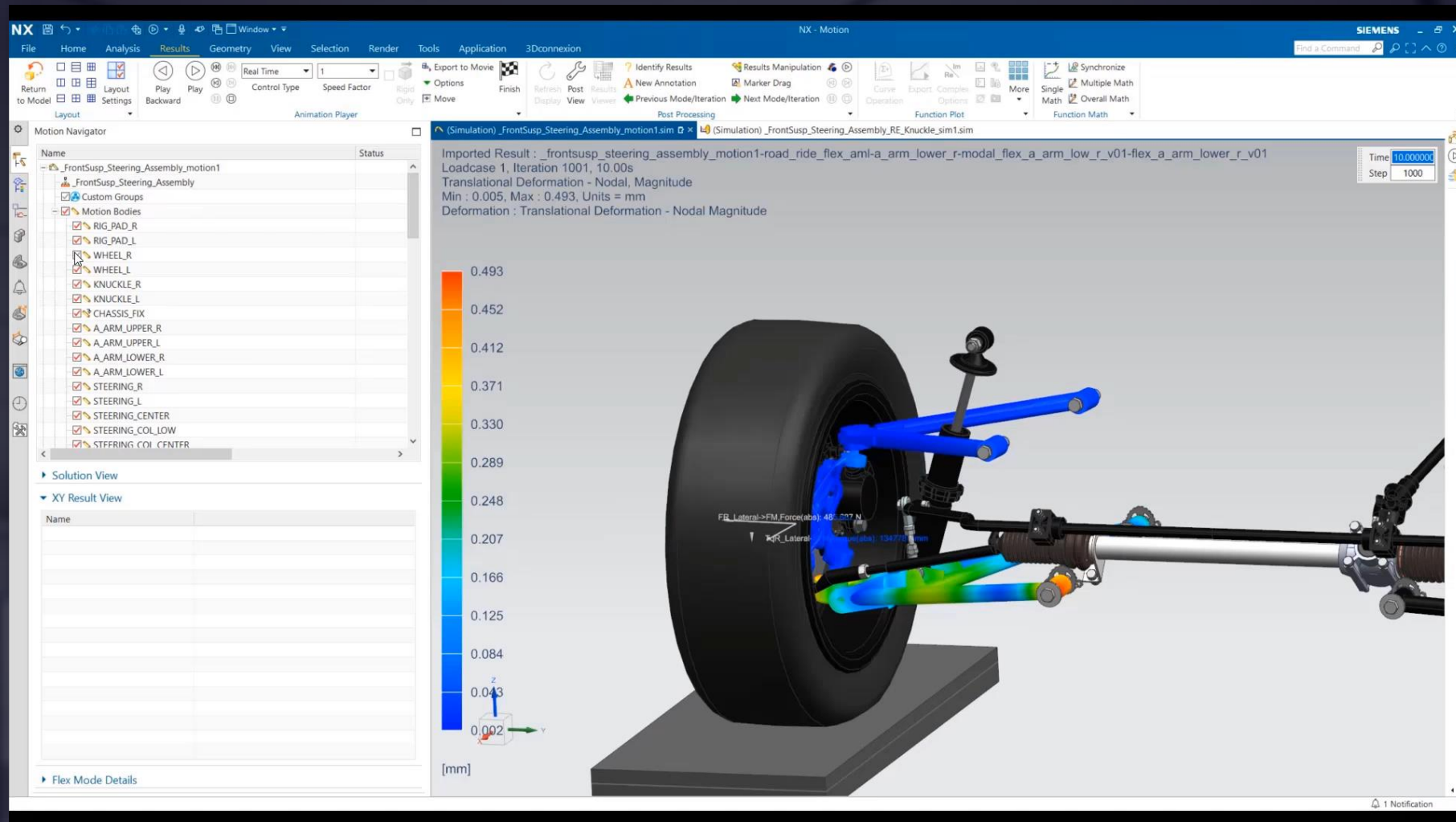




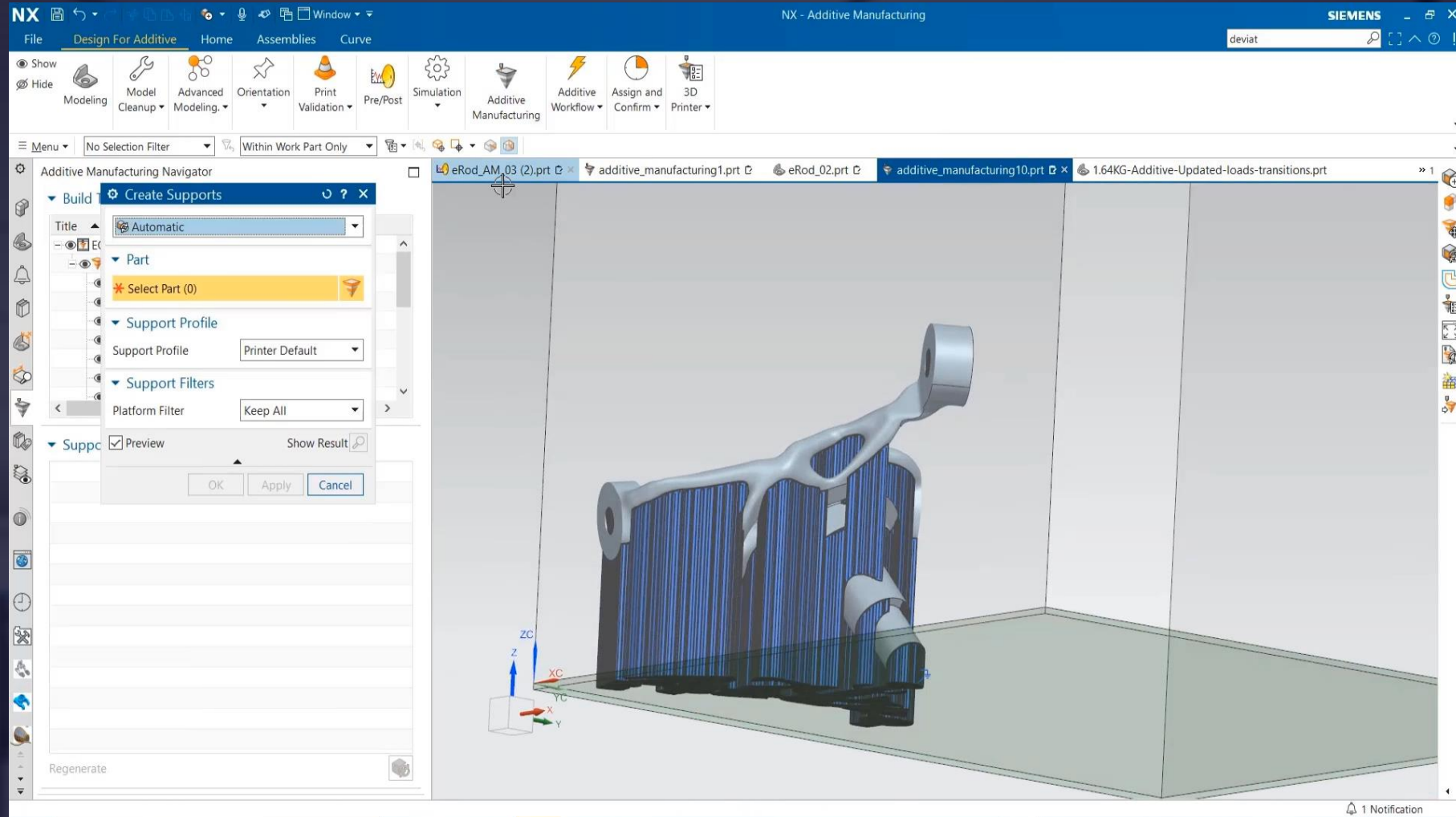


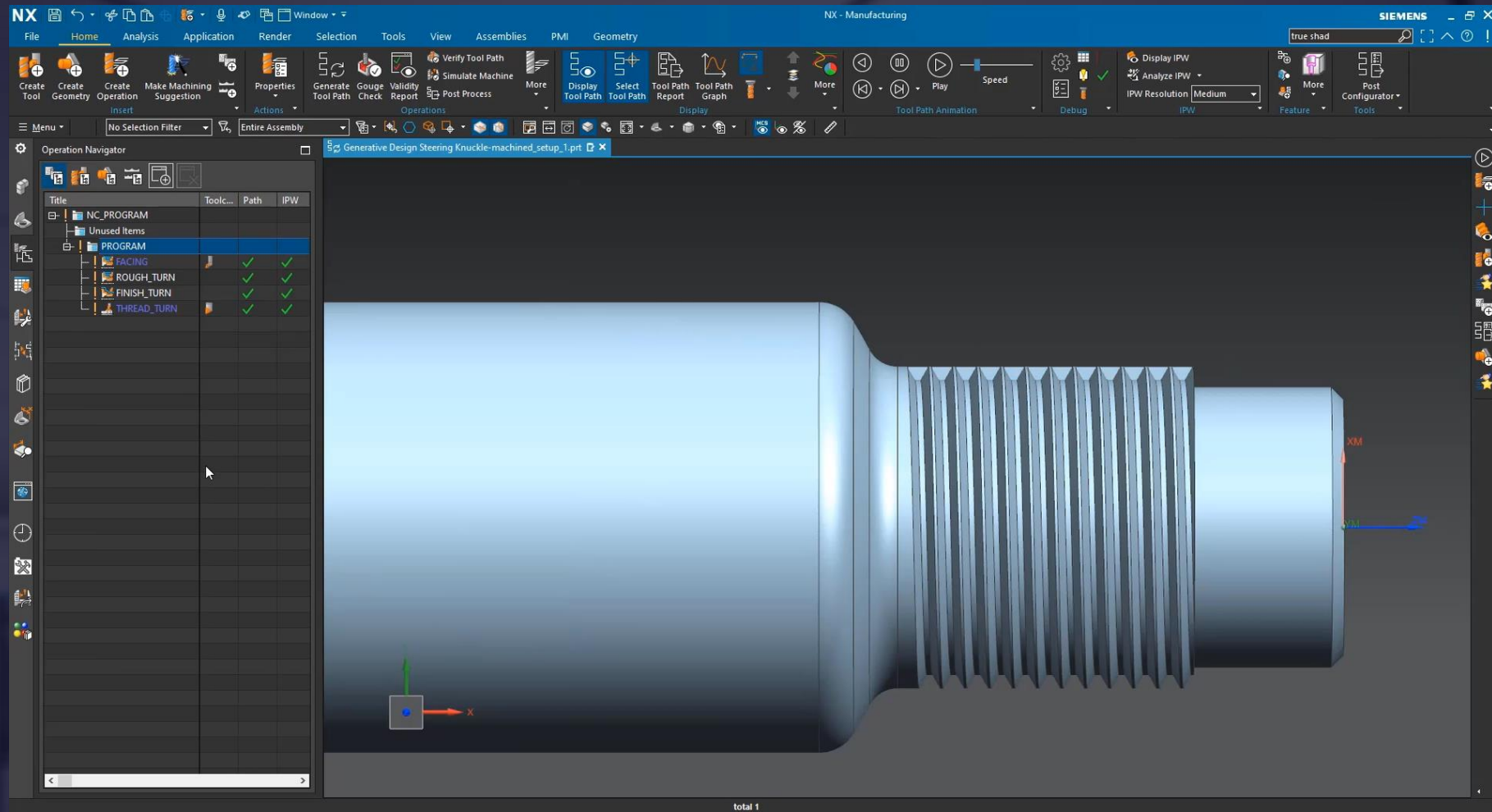
-30%

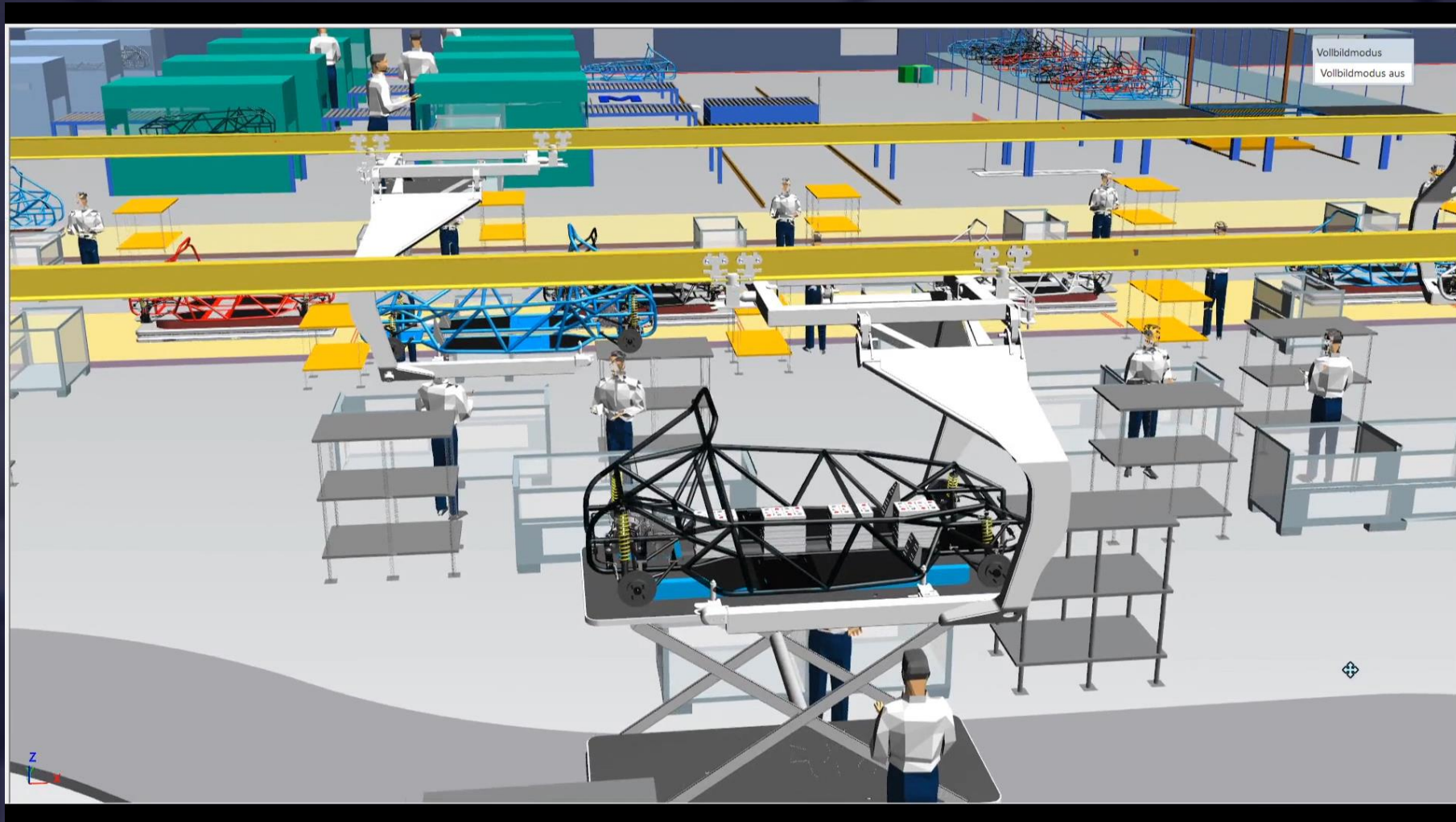
weight

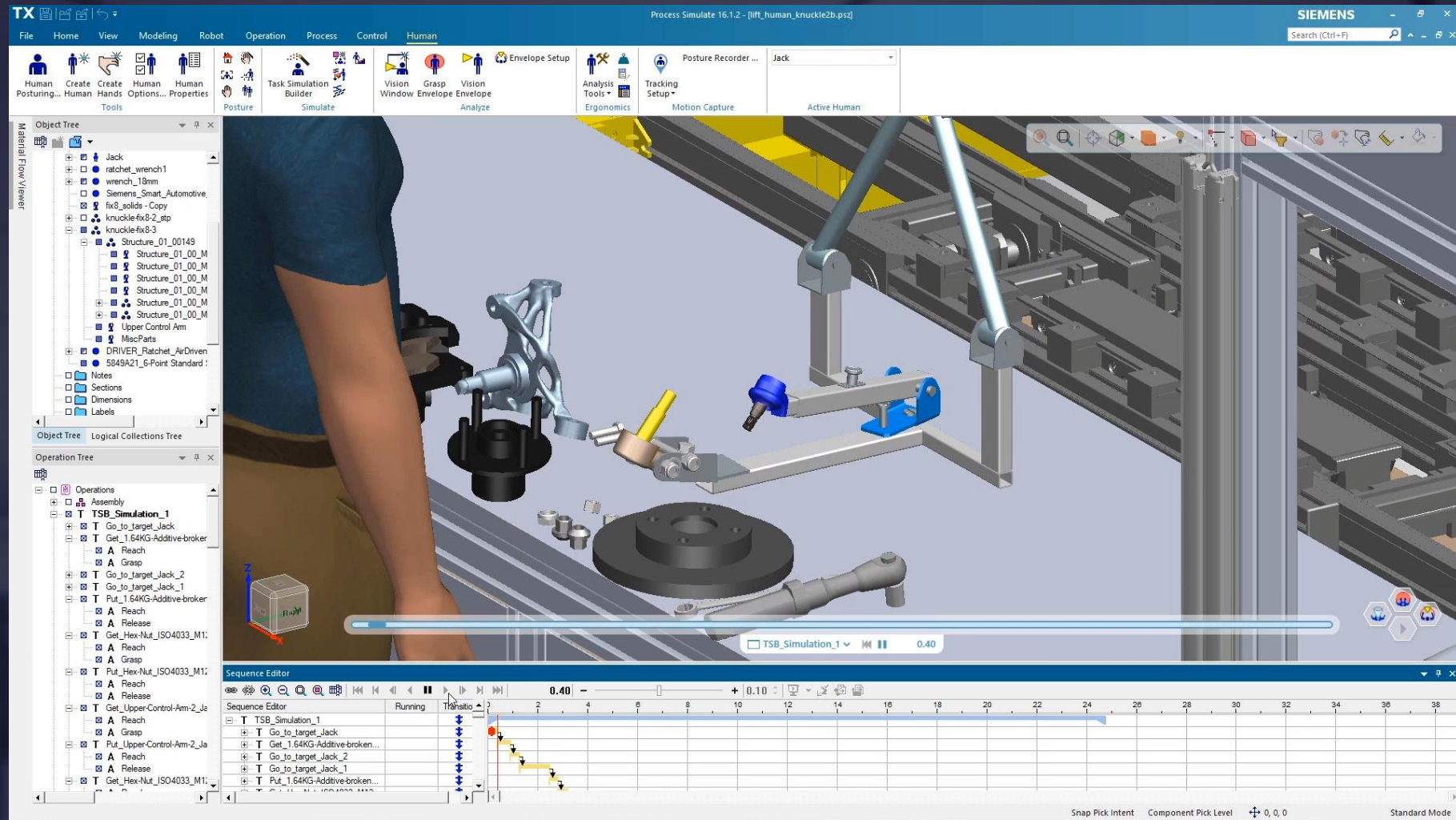


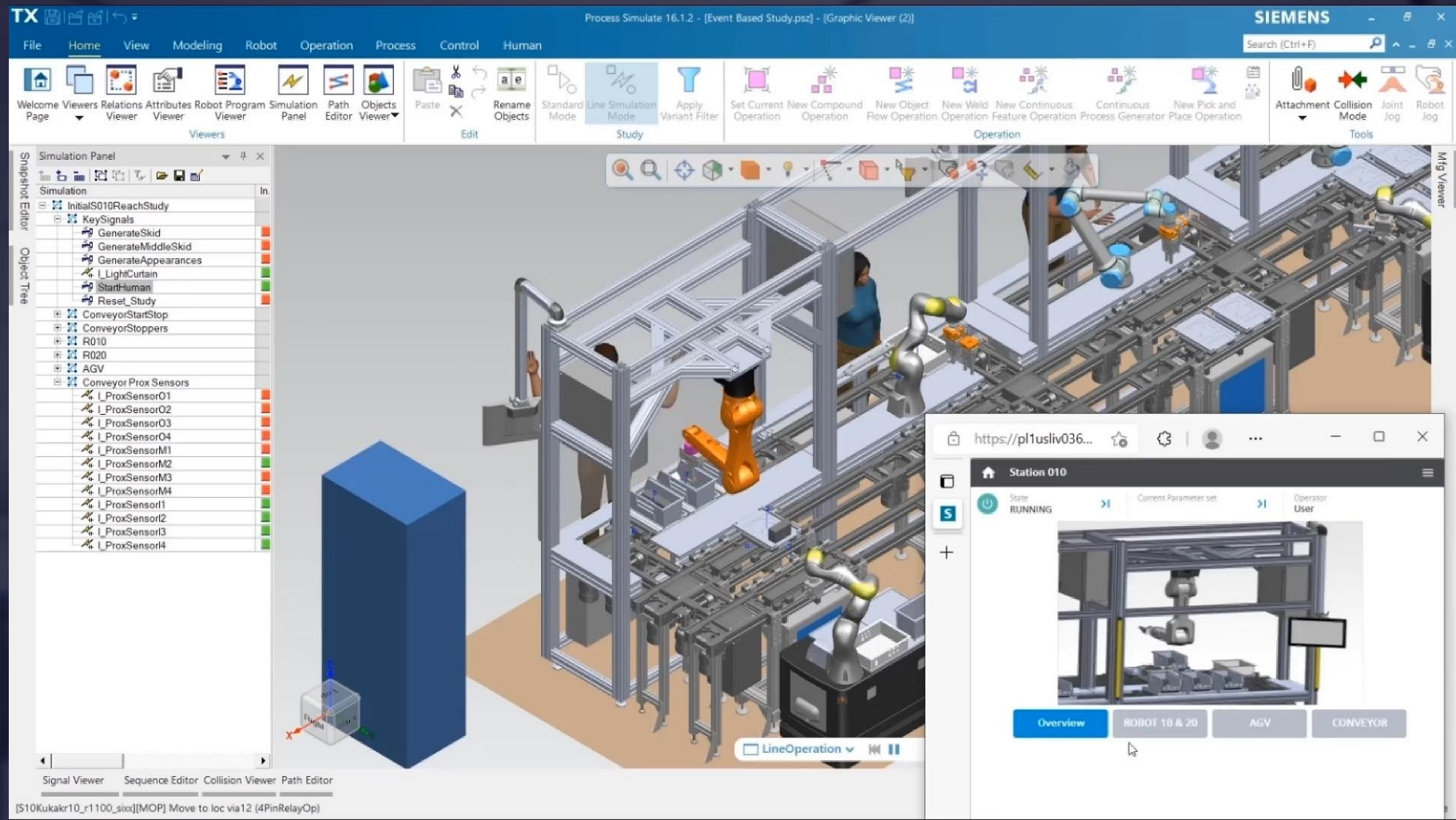
DIGITAL TWIN FOR PRODUCTION

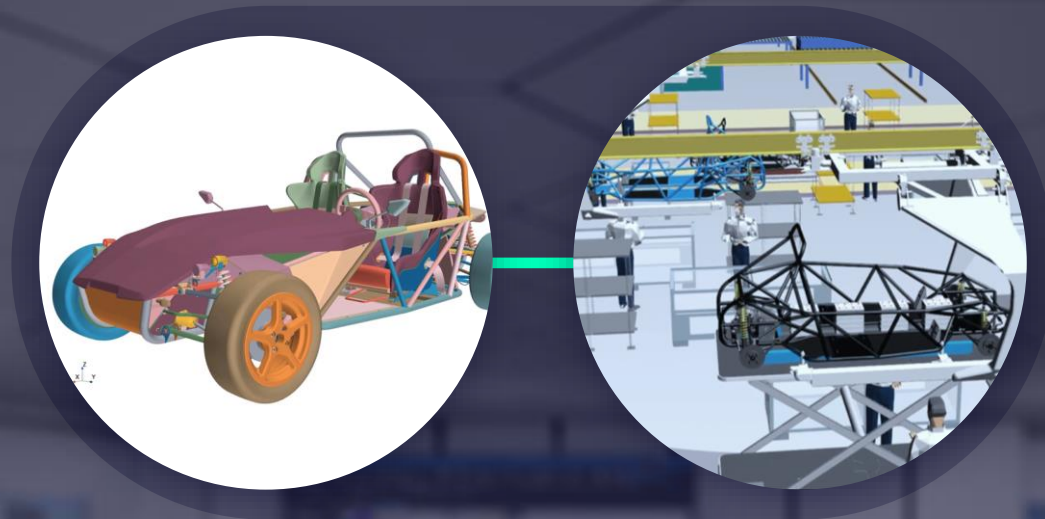








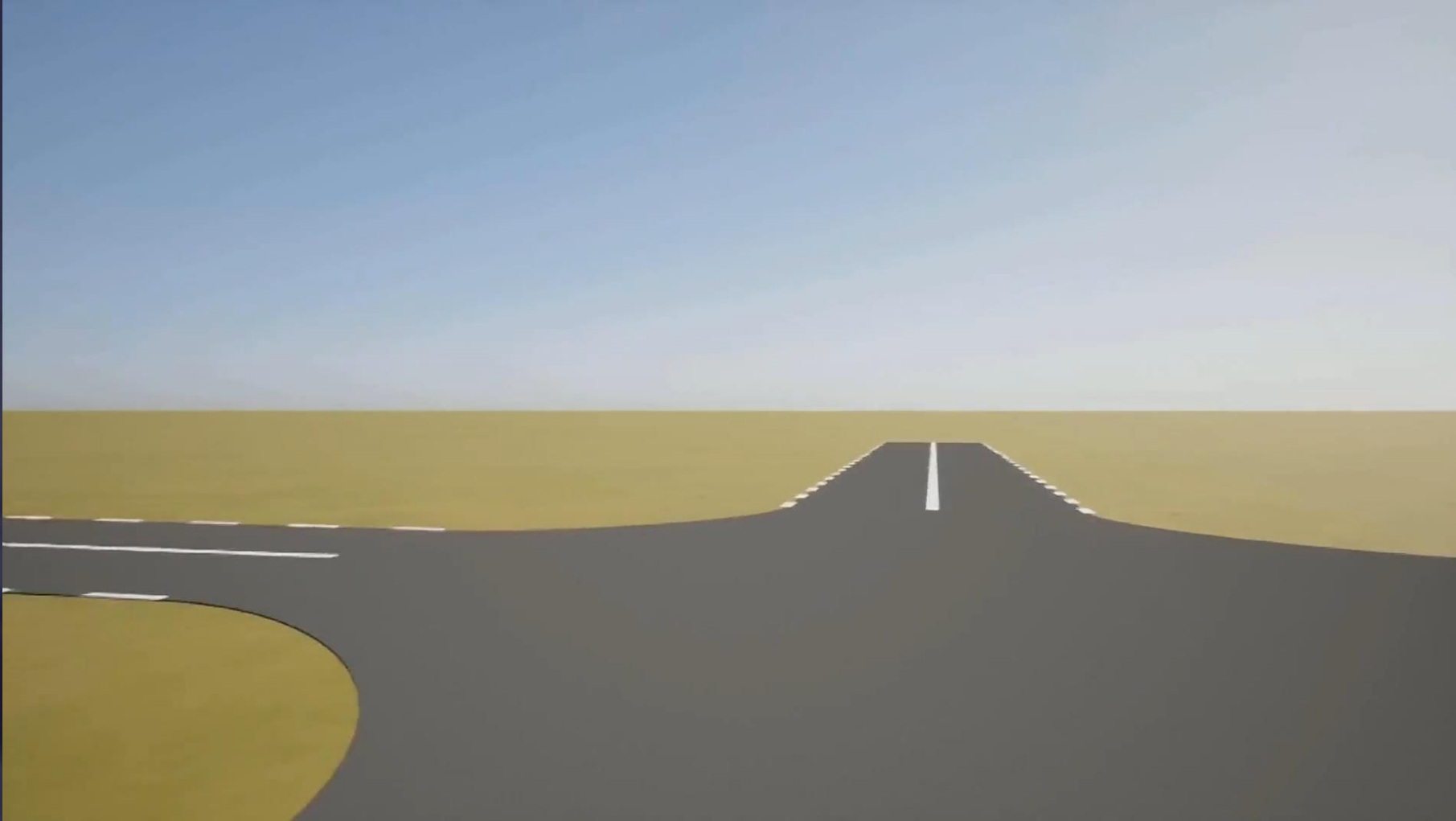




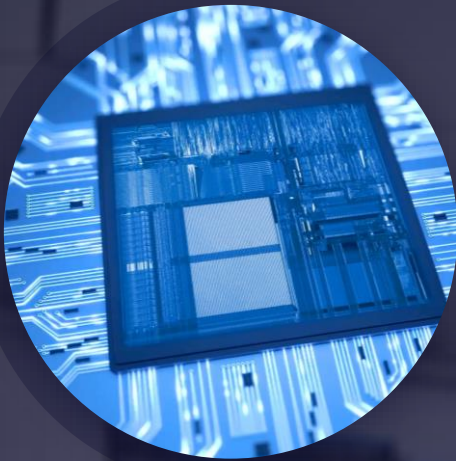
Virtual vehicle

Virtual factory





Seamless design and simulation from chip to city



Virtual chip



Virtual vehicle



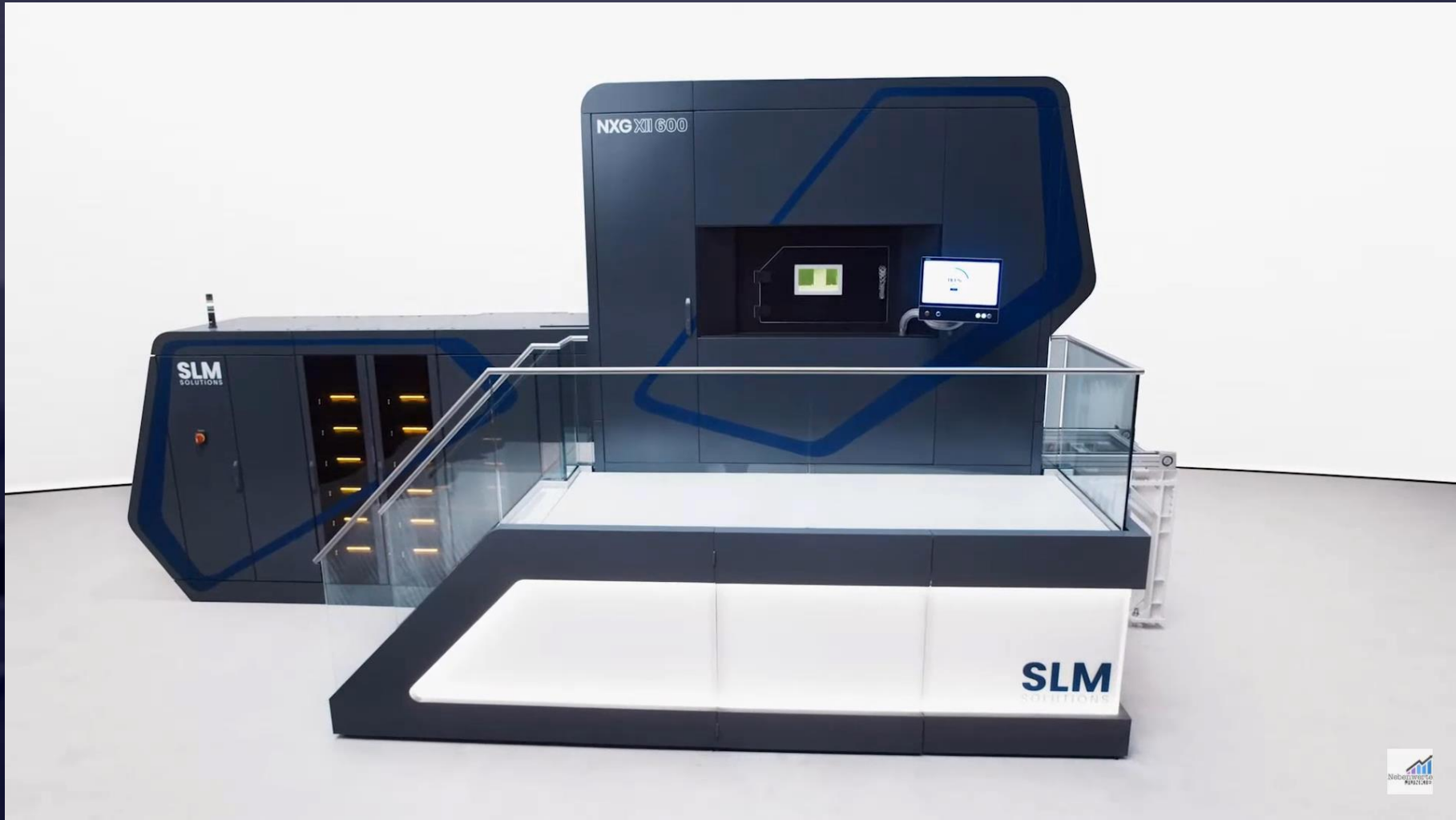
Virtual factory

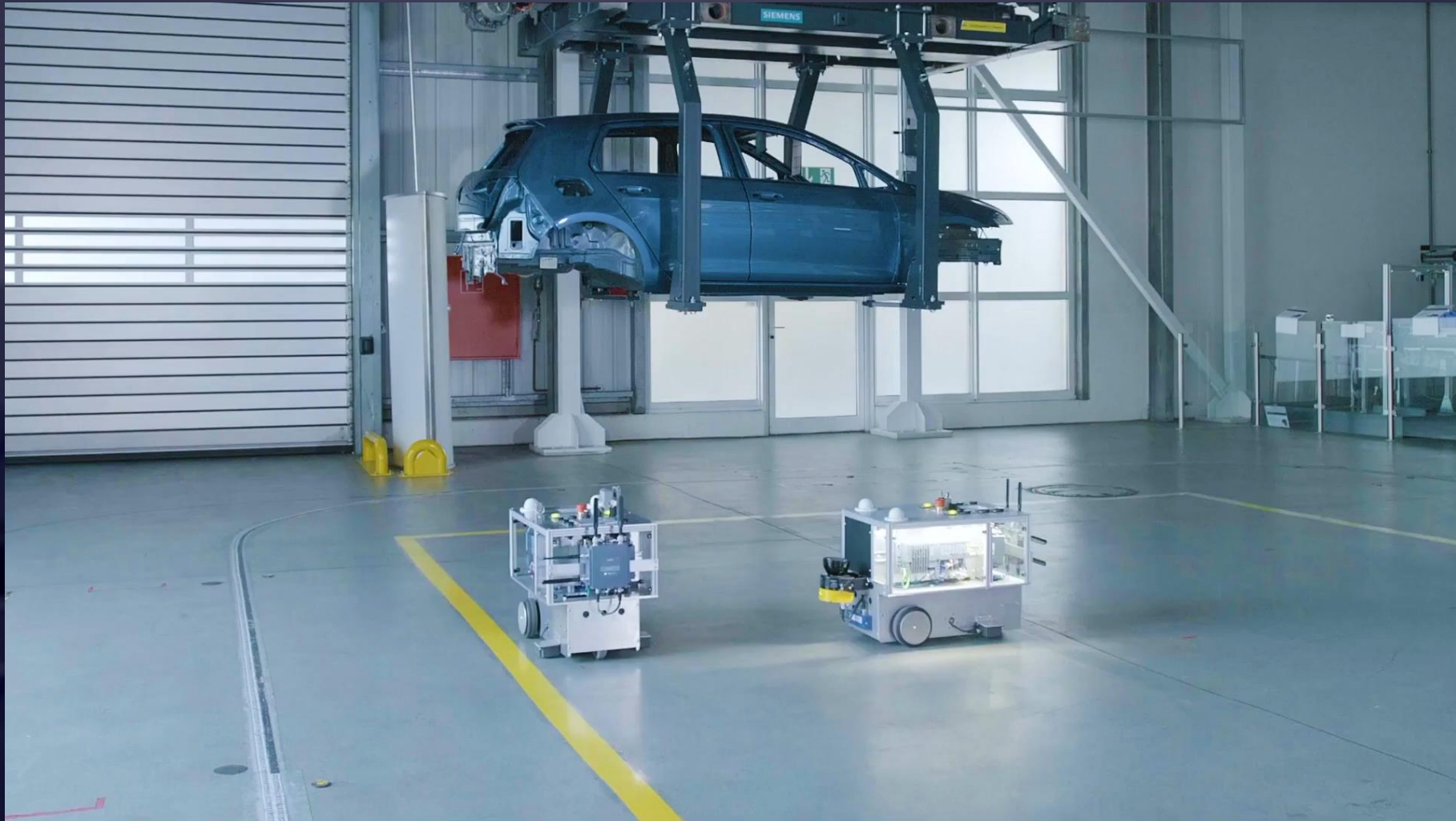


Virtual city

REAL PRODUCTION











The background of the slide is a blurred image of a modern industrial factory floor with various machines and equipment. Overlaid on this are two large, bright green circles. The left circle contains the text '-14%' in white, and the right circle contains '-40%' in white. Below each circle is a label in white text: 'electricity' for the left and 'gas consumption' for the right.

-14%

electricity

-40%

gas consumption





make products better



make production better



become more sustainable



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