

# The Future of Engineering

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Global Academic Partner Program



# All industries are undergoing a digital transformation

**SIEMENS**  
*Ingenuity for life*



# The future of mobility – from chip to city

**SIEMENS**  
*Ingenuity for life*

**Transportation  
Revolution**

+

**Process Revolution**



*Autonomous*



*Electrification*



*Mobility Services*



*IoT & Analytics*

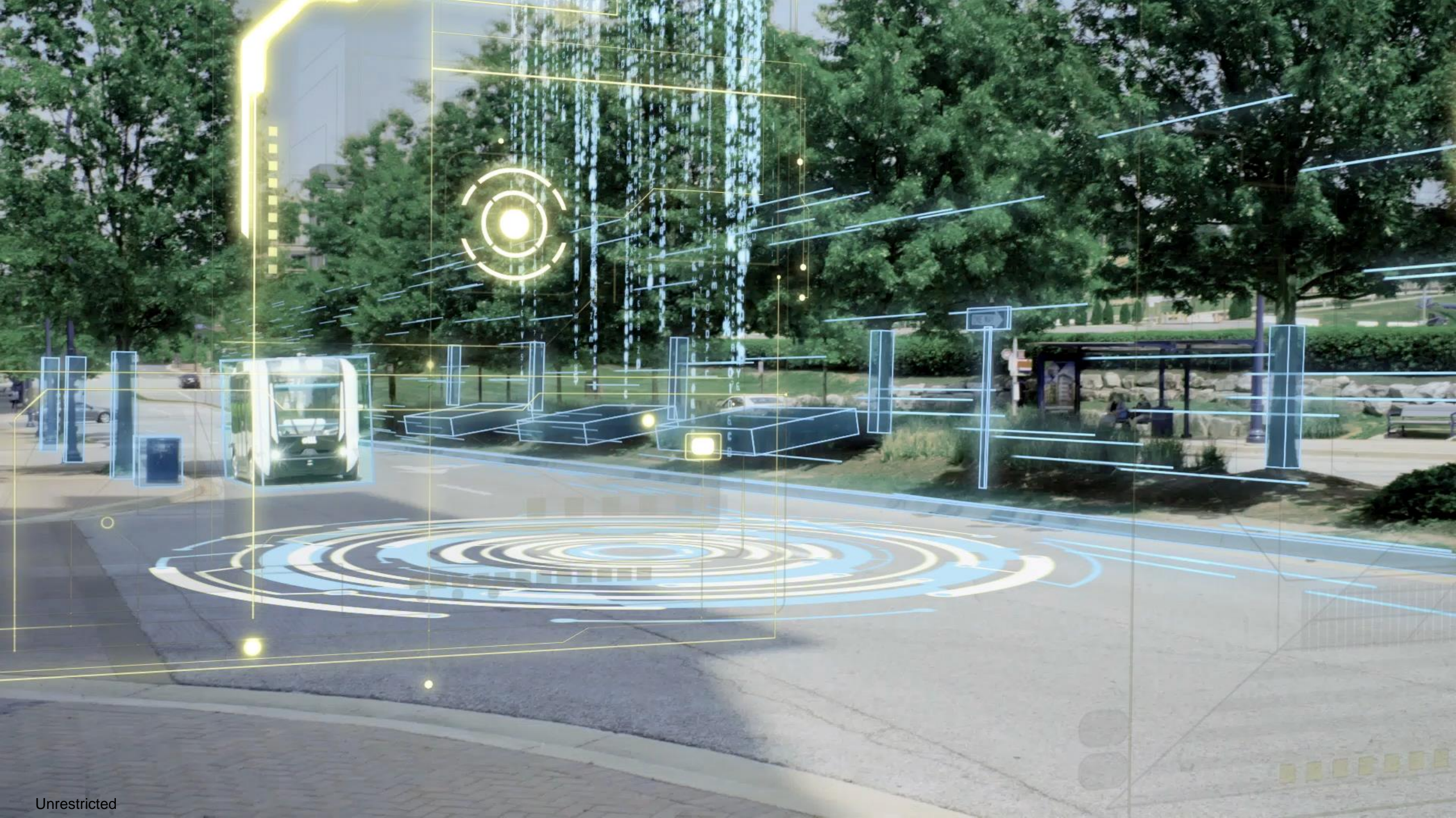


*Design, Simulation &  
Manufacturing*

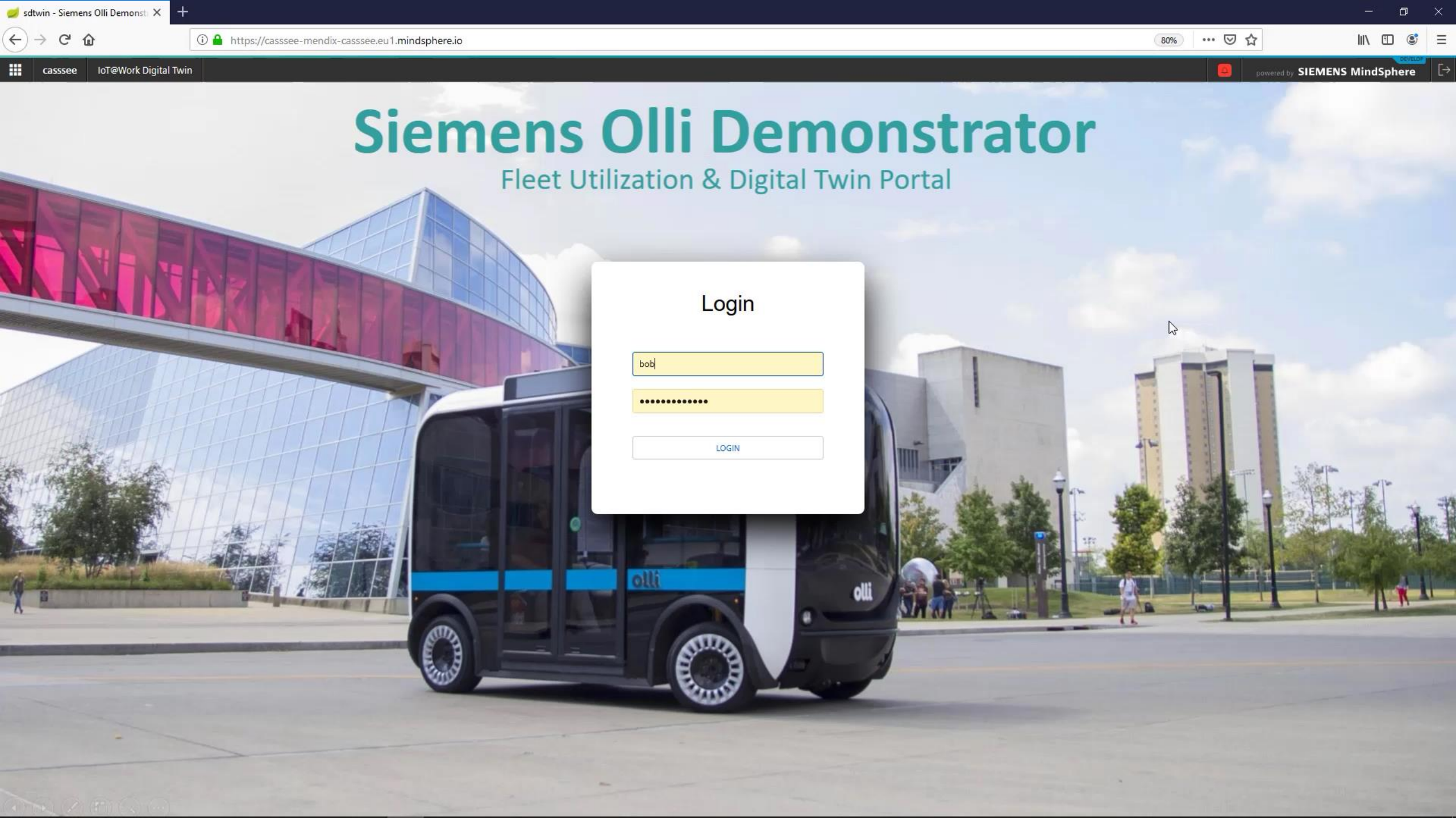


*Software &  
Systems Engineering*







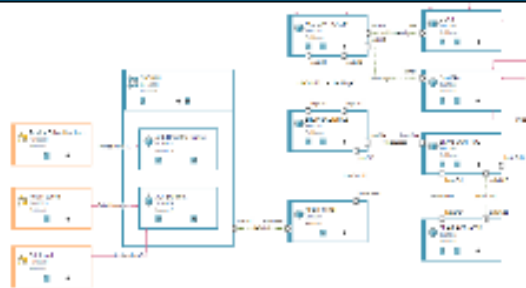




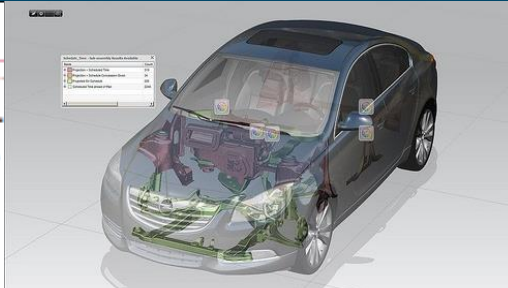
MODEL-BASED ENGINEERING

# Seamless Digital Twin of the Product

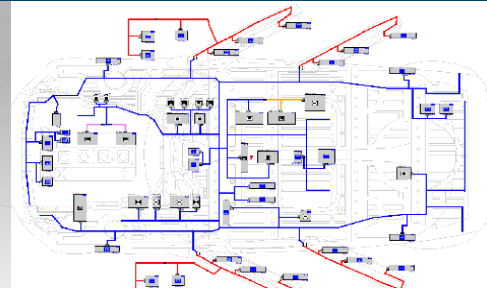
Across multiple domains



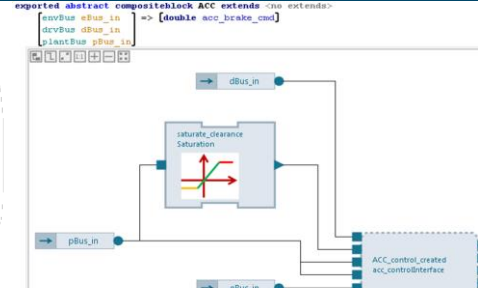
Multi-domain System Architecture



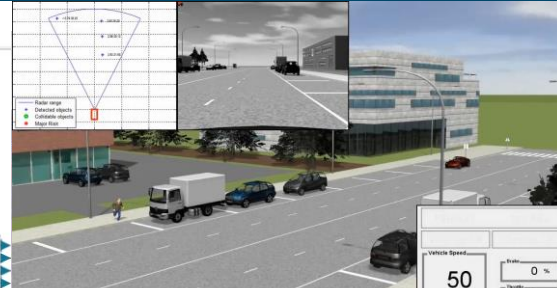
Mechatronic System



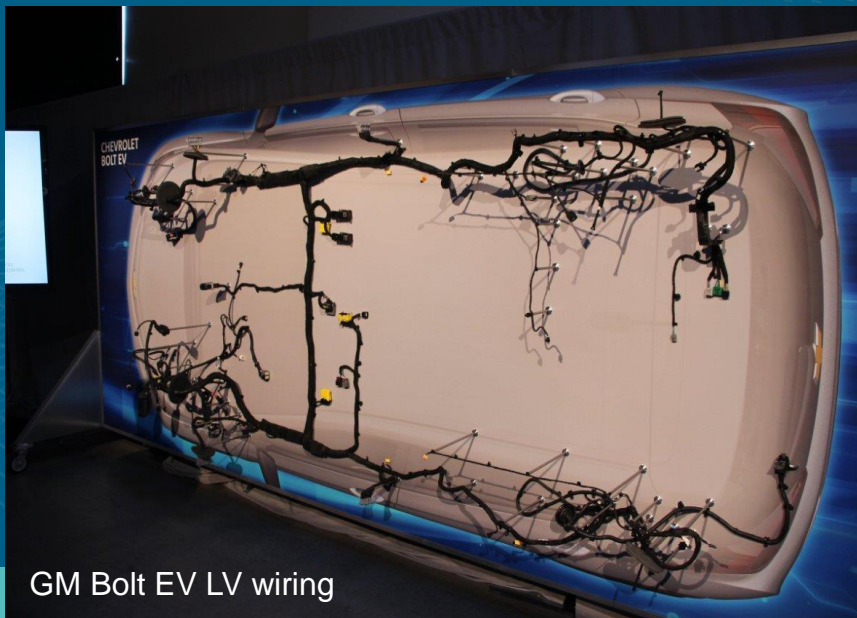
Electrical / Electronic System



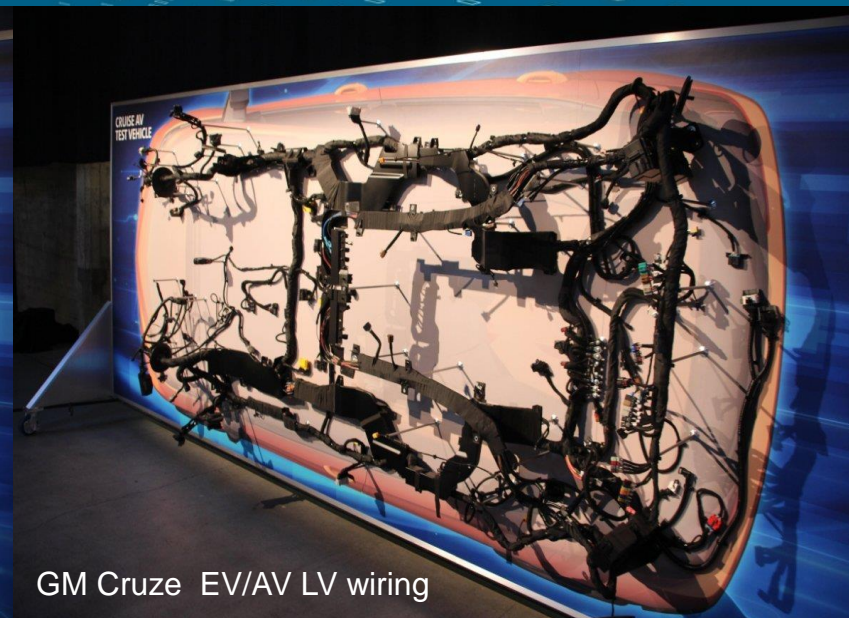
Software



Performance in Environment



GM Bolt EV LV wiring



GM Cruze EV/AV LV wiring

TODAY



TOMORROW



**New business models, new technology challenges**



# Future engineers through multidomain engineering curricula

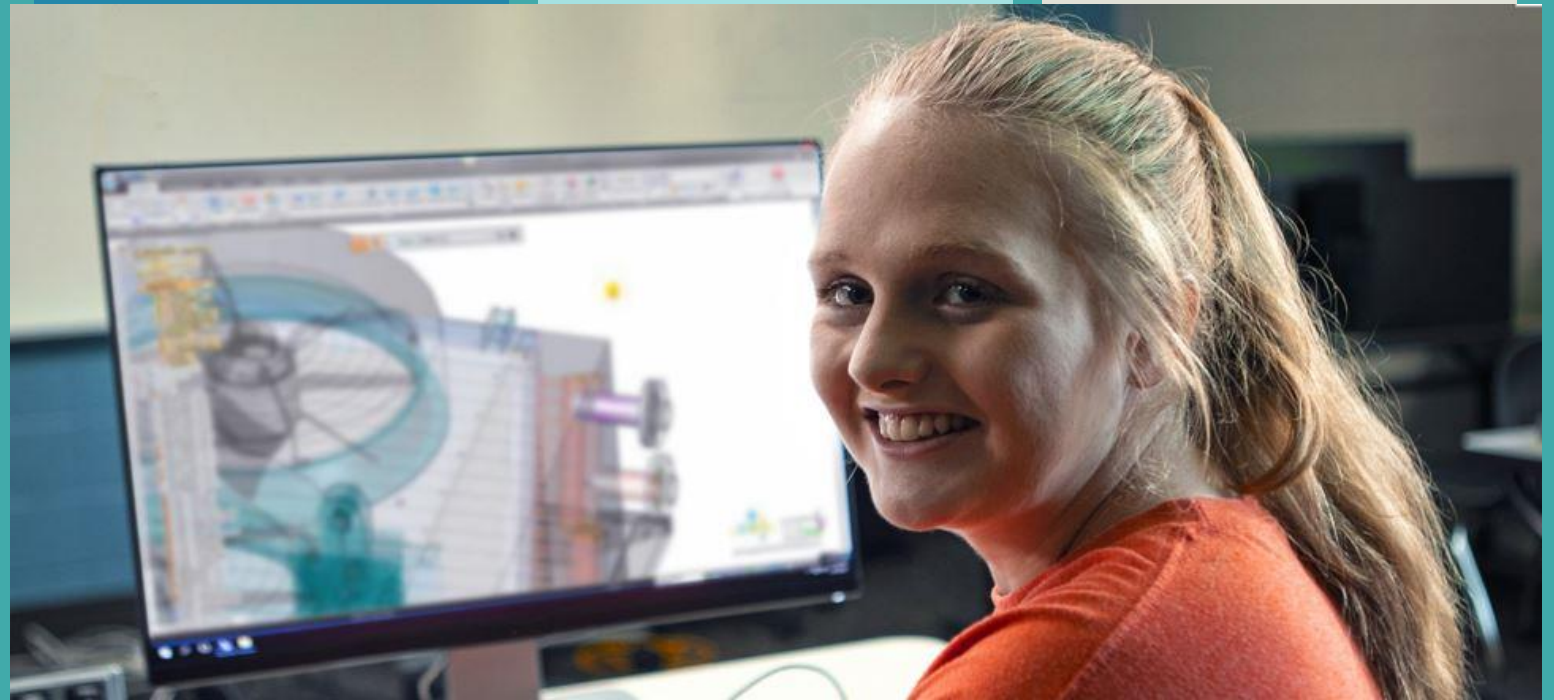


**Mechanical  
Engineering**

**Electrical  
Engineering**

**Computer  
Science**

**Model-Based Systems Engineering**







<https://www.youtube.com/watch?v=MDxm4MGI81M&t=3s>



Siemens Digital Industries Software

# Where today meets tomorrow

