



DIGITAL TWINS

Industry 4.0 and the Automated Future









March 18, 2022

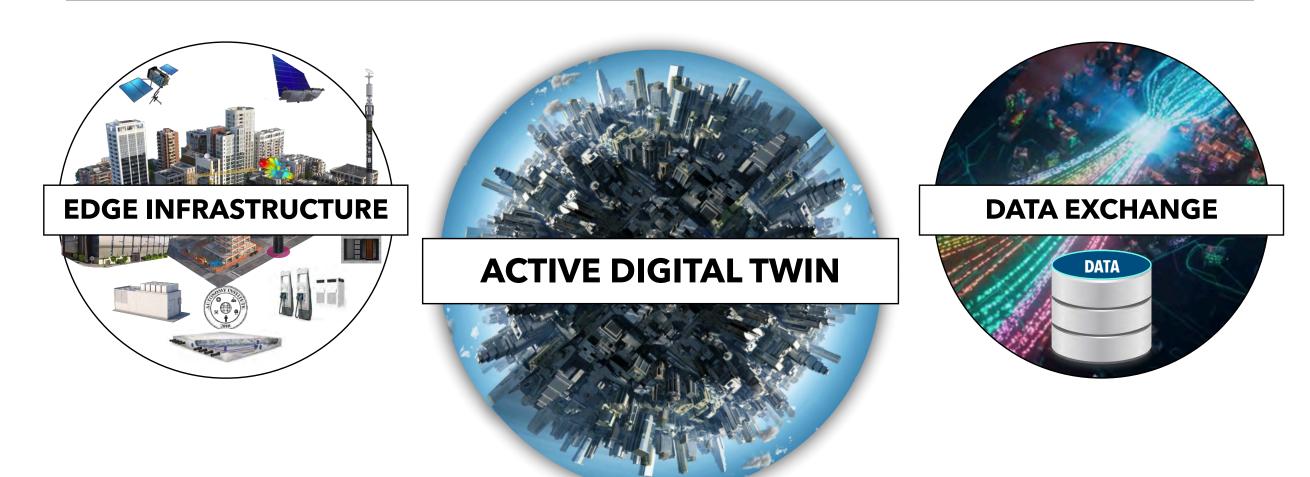
2:30pm-3:30pm CT

Hilton Austin Downtown | Salon DE

SXSWL 2022

DIGITAL TWIN - THE BRIDGE BETWEEN THE PHYSICAL & DIGITAL

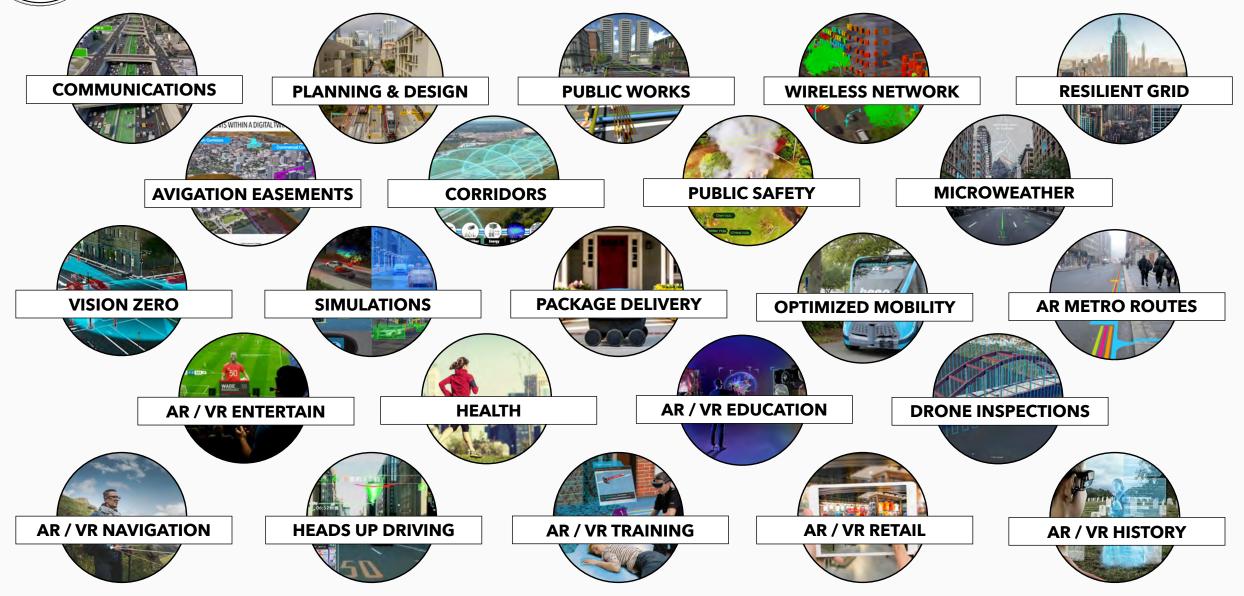
BUILDING INTELLIGENT, CONNECTED, INCLUSIVE, AUTONOMOUS, AND RESILIENT 21ST CENTURY CITIES



PETABYTES OF DATA, TERABITS OF STREAMING, SOVEREIGN DATA EXCHANGES, DISTRIBUTED EDGE



DIGITAL TWINS ARE THE KILLER APP AT THE EDGE





INDUSTRY 4.0 WILL REQUIRE SOVEREIGN DATA EXCHANGES



GOVERNMENT



ACADEMIA & RESEARCH

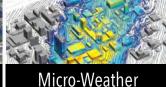


INDUSTRY OPERATIONS











DATA IS KEY DRIVER







AUTONOMOUS INFRASTRUCTURE ENABLING THE ROBOTIC EDGE







Performance





DATA EXCHANGE



Economic Productivity



Policy



Community

VOLUME VARIETY

VISUALIZATION

VELOCITY

VERACITY

VALUE













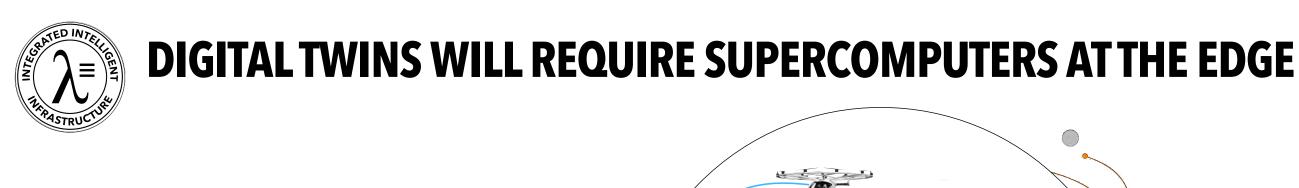


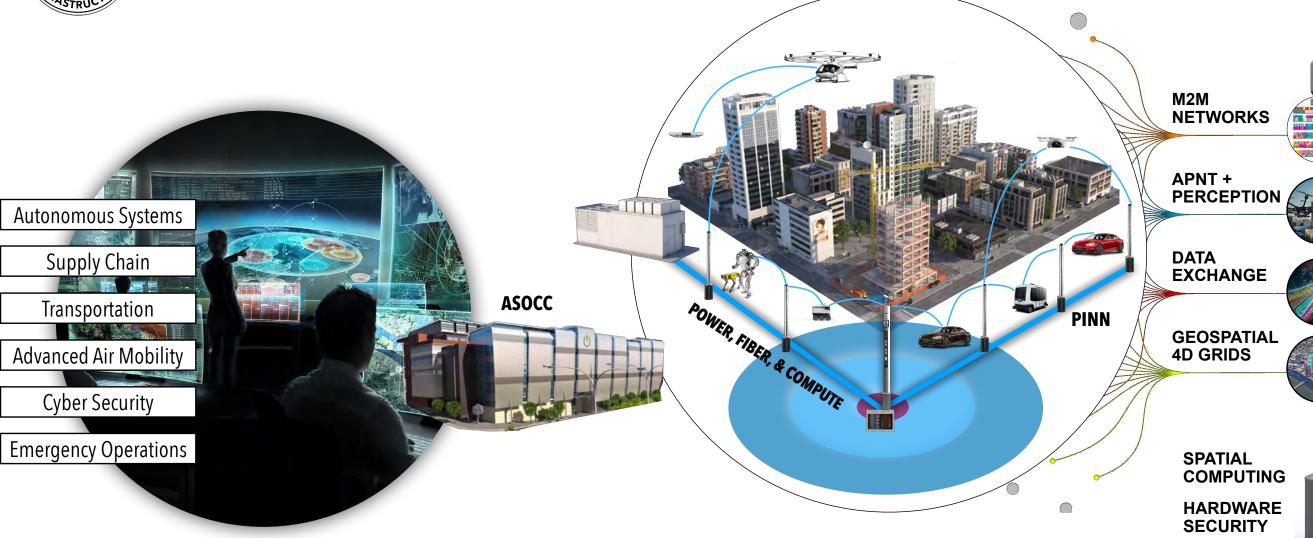


AUSTIN WILL BE THE FIRST CITY-SCALE DIGITAL TWIN

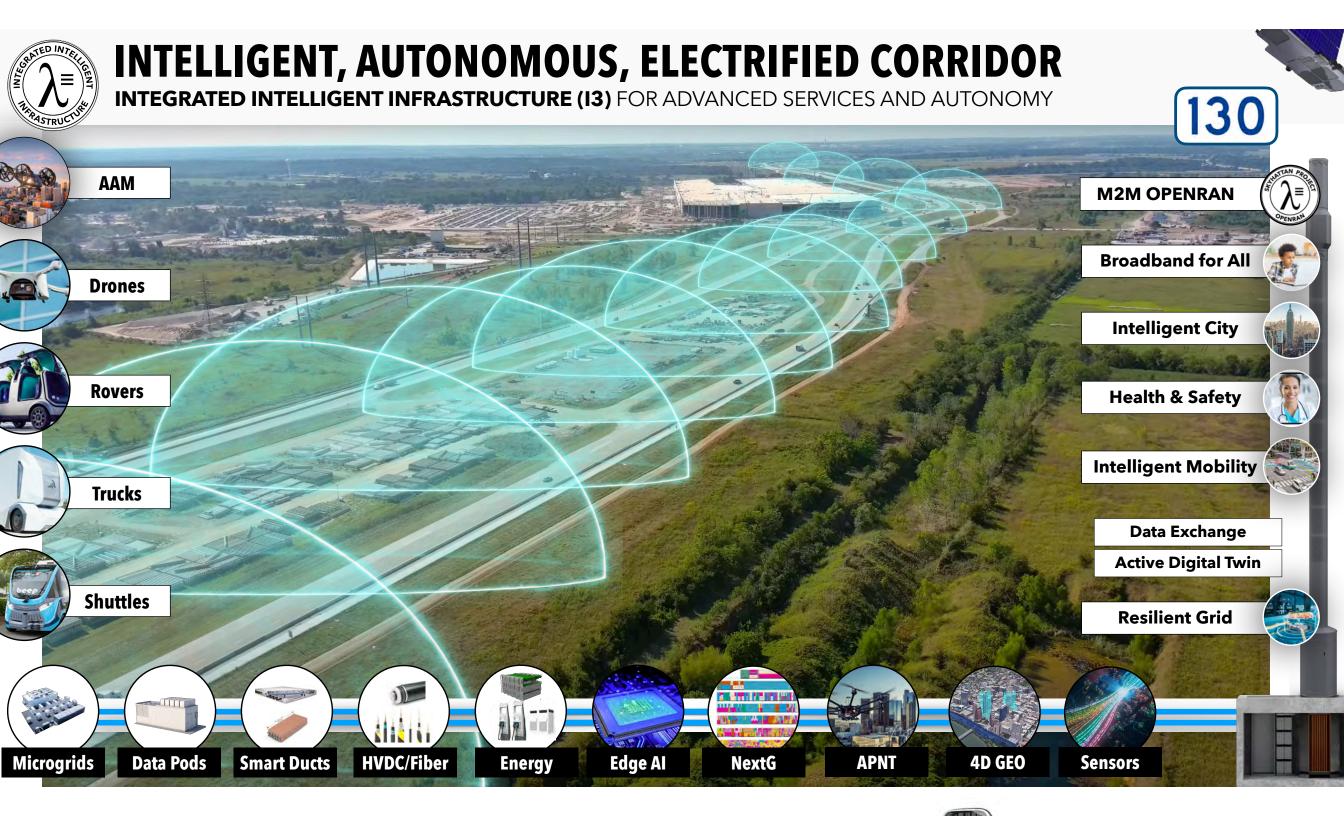
COLLECT COMPUTE VISUALIZE PLAN ANALYZE SIMULATE MODEL RESPOND PREDICT OPTIMIZE BUILI

LOGIN





INTELLIGENT INFRASTRUCTURE GRIDS - UCLIDIAN SCENE NODES







THE ACTIVE DIGITAL TWIN FOR INDUSTRY 4.0

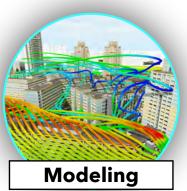
COLLECT COMPUTE VISUALIZE PLAN ANALYZE SIMULATE MODEL RESPOND PREDICT

"Only with a digital twin in place, can government agencies effectively analyze what can be done with the data and improve citizen living, create economic opportunity and revitalize a closer community"

















BIM

Mapping

PATH TO THE ACTIVE & OPERATIONAL DIGITAL TWIN

COLLECT COMPUTE VISUALIZE PLAN ANALYZE SIMULATE MODEL RESPOND PREDICT

