

Siemens & Georgia Tech Partnership

Nexus: Future mobility alternatives

- Objective assesment
- Interactive decision support
- Trade-offs without risks
- Real-time visualization

Hestia: Optimizing building energy

- Rooftop solar & energy modeling
- Optimal surplus energy use
- Reduced costs & emissions

Center of excellence for simulation and digital twin

Transit: Optimizing transport networks

- Comprehensive methodology
- Disruptive event modeling
- Stakeholder platform
- Real-time metrics

Primed: Grid resilience & DERs

- Energy technology portfolios
- Grid outage absorption
- High-volume travel resilience

Terra: Airport energy demand

- Modeled specific energy needs
- Quantified resilience goals
- Examine trade-offs

Overall impact & value



Accelerated
R&D adoption



Enhanced
urban
optimization
capabilities



Addressed
complex
challenges



Strengthened
leadership



Contributed
to ARPA-H
awards

SIEMENS