

## Energy Workforce Lunch & Learn

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### What's Driving Change

- More renewables
- More electrification
- More data
- More risk
- More innovation







### **Engineering Across Disciplines**

Energy needs every kind of engineer.







#### **How Skills Connect**

Your discipline shapes real solutions.

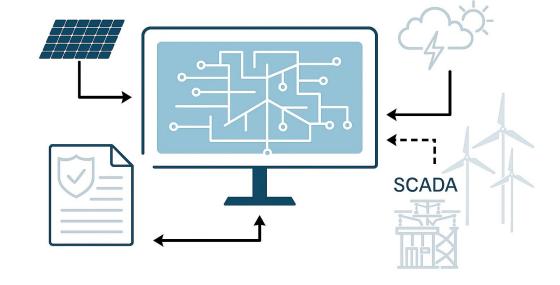






# Digital Twin Studio: Our Shared Digital Testbed

- Real-time simulation of a representative neighborhood distribution network
- Secure data from sensors, AMI, and weather systems
- Use cases: outage & cyber forecasting | vegetation risk | asset health
- Open API and sandbox for partners







### **HyPower Phase 1: Our Physical Testbed**

- •DOE-supported hydrogen research platform at AERTC
- Modular containers with electrolyzer and storage systems
- •Powered by renewable energy sources (solar and wind)
- Integrated safety, controls, and monitoring systems
- •Enables research and training on emerging hydrogen technologies







### **How to Listen Today**

- The problems they solve
- The skills they rely on
- Where your major fits





### **Your Next Steps**

Stay curious
Ask questions
Explore projects
Build skills

