ScaLaDE Project
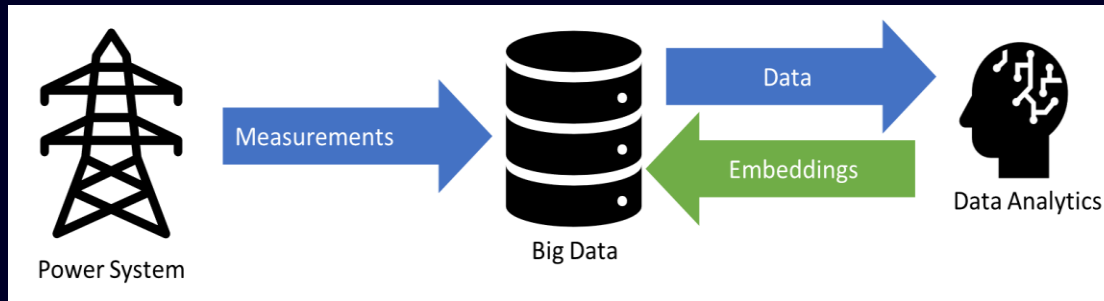## DOE American Made – Digitizing Utilities Prize
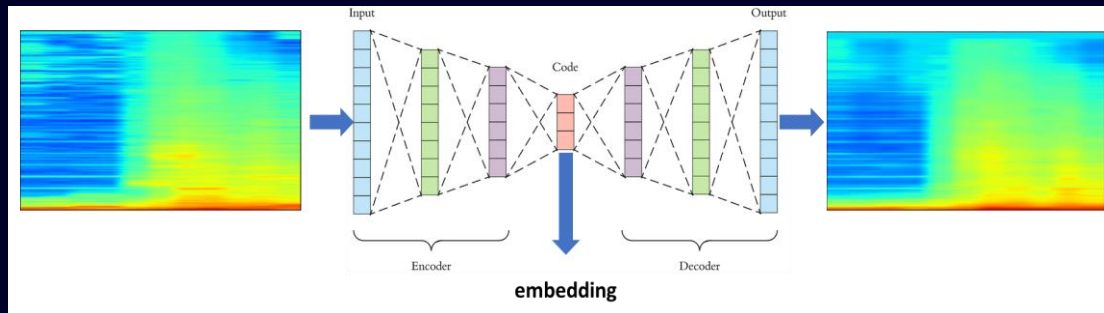
Key Project Members

- Siemens Technology: Bruno P. Leao, Olga Lositsky
- Southern Methodist University: Jianhui Wang, Han Guo

AI-driven identification of incipient phenomena → Reliable power delivery
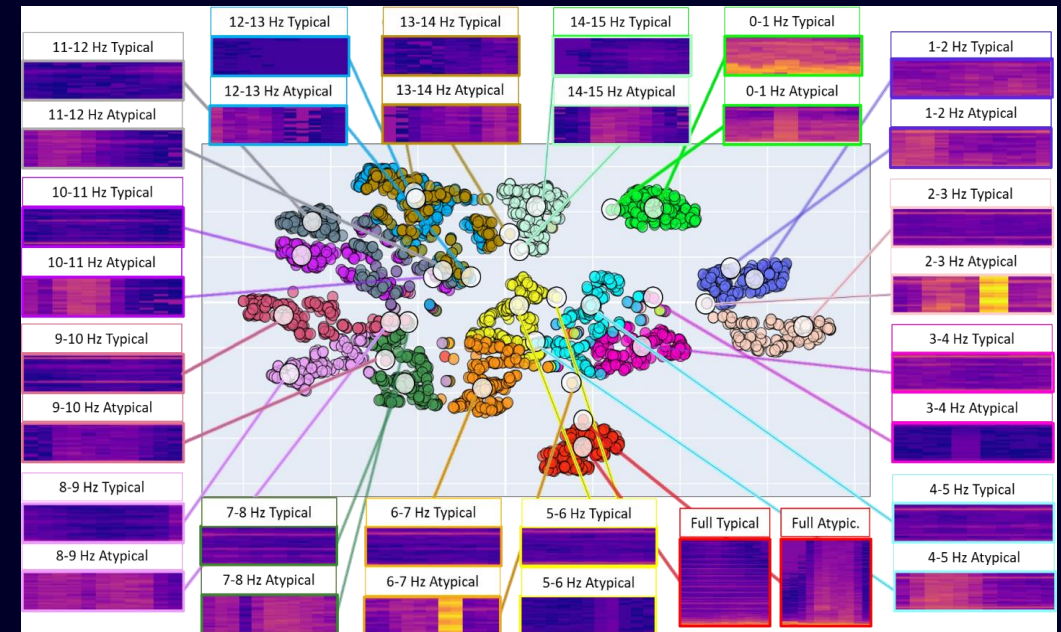
Concept

Resulting informative embeddings for frequency bands

Implementation: Autoencoder (actual input/output example)

Goal: automated and scalable detection of incipient phenomena that can lead to future power disruptions.
How: embeddings that enable the systematic comparison of synchrophasor-based spectrogram information.

SIEMENS