



Task Goal

Novel early warning detection capabilities for a power grid with

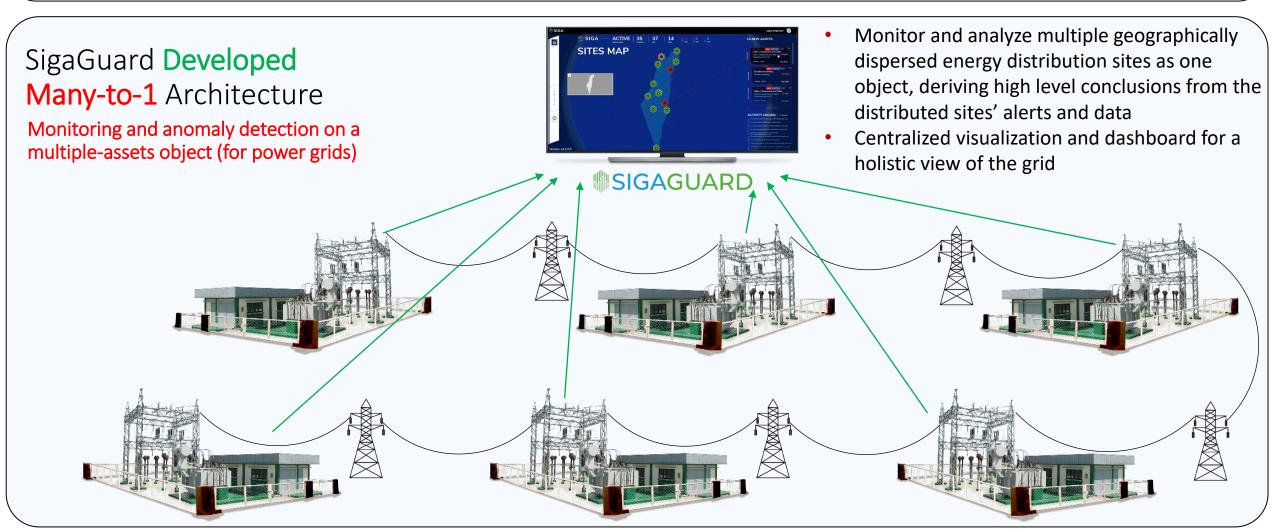
geographically dispersed assets will be developed, based on the latest ML technology developed by SIGA with expanded process monitoring capabilities.

SigaGuard Current 1-to-1 Architecture

Monitoring and anomaly detection on a single asset object

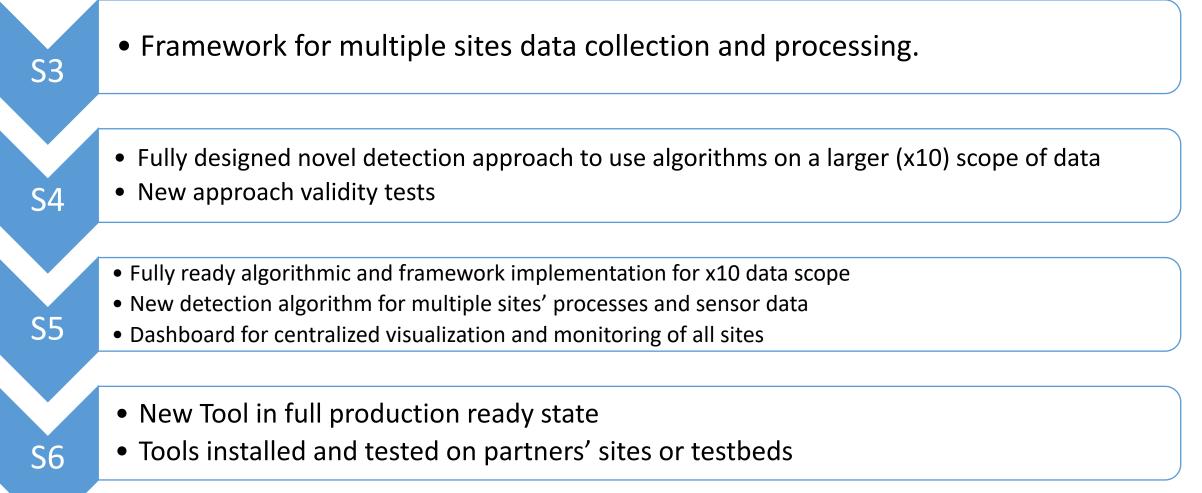


- Monitor and analyze each specific site as one, without correlation with other sites.
- Independent visualization and dashboard for each site



SIGA Level Zero OT Resilience

Path for new tool development





Collaboration with other partners

Data Providers for Development?





SIGA

Use Cases Pilots?



Research Cooperation:





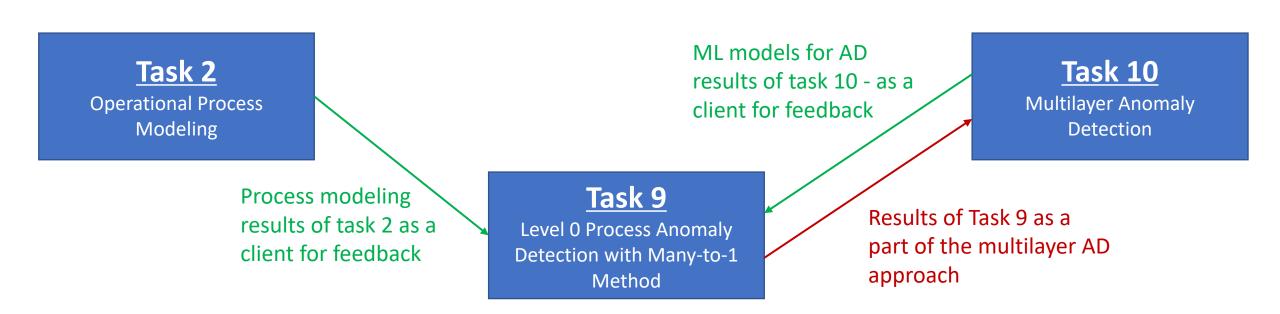


Arizona State

University



Integration with other tasks





Potential Impact

- Level 0 of the OT is an important layer to monitor and secure as a part of a multilayer security approach
- The transformation from 1-to-1 to Many-to-1 will enable monitoring at level 0 of multiple assets as one asset. (i.e., monitoring a whole power grid as one asset and not only for single substations as a group of assets)
- The results above will bring to better resilience of the OT systems and processes in the power grid