



SYSTEMS INTEGRATION



SYSTEMS INTEGRATION SERVICES

Our systems integration services focus on critical elements of grid modernization. We possess extensive experience in system integration processes, technologies, and data handling. This includes the design and implementation of multi-zoned IT and OT Enterprise Service Bus (ESB), the use of Complex Event Processing (CEP) tools for event filtering between IT and OT systems, and integration design that leverages interoperability standards like the Common Information Model (CIM) and MultiSpeak.

We have unparalleled expertise in bridging the gap between Operational Technology (OT) and Information Technology (IT) systems across a wide range of utility systems. These systems encompass Automated Metering Infrastructure (AMI), Distributed Energy Resource Management System (DERMS), Meter Data Management (MDM), Outage Management (OMS), Distribution Management (ADMS), Mobile Workforce Management (MWFM), and Geographic Information (GIS)

CAPABILITIES

STRATEGY AND PROCUREMENT

- Grid Modernization Strategy
- Business and Technical Road Map Development
- Business Case Creation
- Systems Procurement Support

IMPLEMENTATION AND INTEGRATION

- Program Management PTO
- Systems, Implementation, and Integration Testing
- Systems Architecture
- Training and Change Management

OPERATIONS AND SUPPORT

- Application and Operational Support
- Cyber Security Processes and Technologies
- Data Readiness Assessments
- Operations, Health Checks, and Performance Tuning



PROJECTS EXAMPLES

CONSOLIDATED EDISON

Multi-year OMS (Outage Management System) integration project, encompassing the creation of a support tool designed for outage and restoration management, referred to as STORM (Support Tool for Outage and Restoration Management).

NV ENERGY

Served as a strategic partner in the successful implementation of ORACLE DERMS.

EVERSOURCE

Provided extensive, ongoing support for real-time systems, including multiple OMS upgrades, the deployment of a new Operations Mobile Application (OMA) to support streamlined damage assessment, and new integrations to an enterprise Click Mobile system and GE DMS. Also contributed to training and organizational change management efforts for various real-time systems.

RAPPAHANNOCK ELECTRIC COOP

Implemented the deployment of new Oracle and NMS systems, migrated production data to new systems, and established critical interfaces with essential systems, including constructing key translators for successful data migration.

HAWIIAN ELECTRIC

Developed the Request-for-Proposal (RFP) requirements for an ADMS to manage their electric grid, which includes the increasing integration of Renewables, Distributed Energy Resources (DERs), Advanced Metering Infrastructure (AMI), and Distributed Automation (DA) Additionally support required regulator filings.