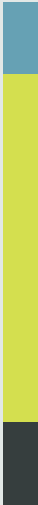


# Elpis Services

Helping utilities optimize software infrastructure to meet the needs of an evolving power grid



System Design and Architecture

Data Management

Network Model Reconciliation

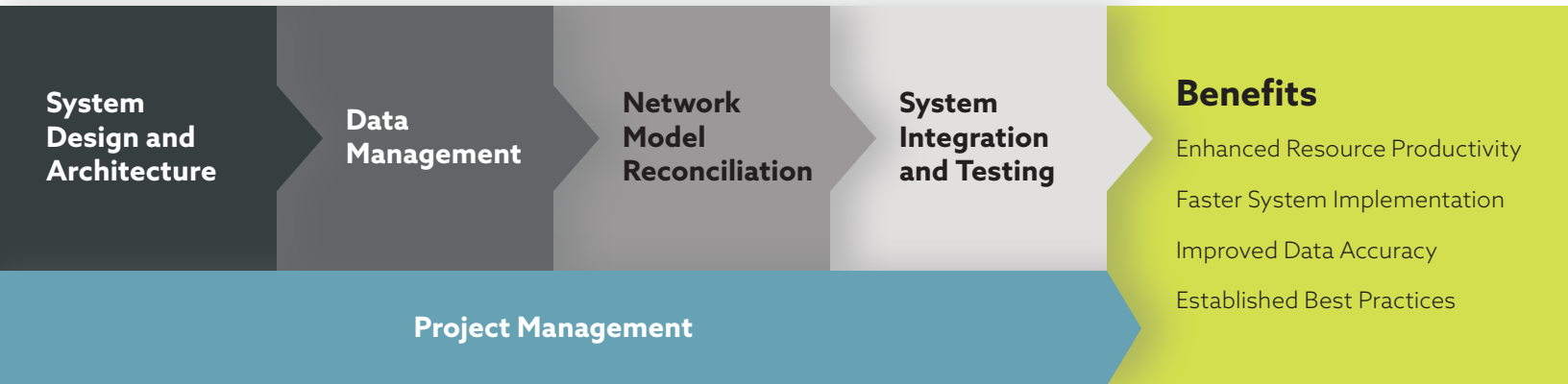
System Integration and Testing

Project Management

Elpis leverages deep software application and data management experience in working with electric utilities to upgrade or deploy Advanced Distribution Management Systems (ADMS) and implement a library of use cases and test scenarios to enhance and support project deployment - including initial business case development, procurement, implementation, testing, cutover, and day-to-day operational support.



With increasing capacity demands on the power grid, continued growth in DER installations, EV adoption, and heightened customer and regulatory expectations, utilities are investing in services such as those Elpis provides to help optimize infrastructure and meet the evolving landscape of the power grid.



## System Design and Architecture

System design and architecture services for information technology (IT) and operational technology (OT) departments help satisfy the functional and technical requirements of ADMS.

### Features

- Develop physical design, interface specifications, network routing, and cybersecurity architecture
- Analyze and identify required interfaces, data flow, and application interdependencies
- Support integration with AMI meters, DERMS, EMS, CIS, distributed grid planning, and DER interconnection applications

# Data Management

Data management service offerings enable successful, on-time data integration and governance to address ever-growing challenges around data overload and inaccuracy.

## **Data Integration: Build and Support**

- Middleware applications to translate, integrate, and conflate data models
- Automation to detect and normalize device telemetry
- Reporting tools to notify data discrepancies

## **Data Governance: Development**

- Dictionary and models to improve literacy
- Governance framework to ensure correct operating protocols and procedures
- Business lineage to assess, define, and report on required elements

# Network Model Reconciliation

Network model reconciliation services that result in a strong, resilient performance meeting the high-accuracy requirements for ADMS to optimize functions such as state estimation, power flow, fault location, Volt/VAr control, and advanced protection switching schemes.

## **Features**

- Validation and reconciliation of transformer-to-meter connectivity and MV conductor sizes
- Phase reconciliation of medium-voltage and low-voltage network devices
- Validation of network device configuration and hierarchy
- Identification of missing line segments and network objects

# System Integration and Testing

System integration and testing services designed for IT and OT departments enable the efficient deployment, implementation, and testing of ADMS across each utility environment and cycle, including unit, functional, system, performance, and user acceptance.

## **Features**

- Test strategy, plan, and case development, along with result assessment and validation
- Execute test cases and documentation of test results
- Defect management and resolution



# Project Management

Project management services to support the end-to-end delivery and implementation of ADMS across each project phase. Including services such as planning and strategy, technology assessment and selection, testing and implementation, and cutover.

## **Planning and Strategy**

- Drive a strategic vision
- Develop and implement a plan to realize the value drivers
- Collaborate to ensure stakeholder alignment and understanding

## **Technology Assessment and Selection**

- Lead assessing and selecting the ADMS technology
- Develop RFI/RFP requirements and documentation
- Review/Negotiate vendor and technology contracts



## About Elpis Squared

Elpis Squared (Elpis2, Inc.) is redefining the modern grid through innovative, cost-effective management and optimization solutions that help customers achieve enhanced resource productivity, faster system implementation, and improved data accuracy.



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