Smart/Intelligent Grid Development and Deployment in Thailand (Smart Thai)

Smart Thai Corporate Exchange: Network Operation & Management

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Key Considerations

• 100% Network Model Connectivity
• 100% Phase and Engineering Data
• Comprehensive Asset Register
• Network and Maintenance Model for Smart Sensors and Equipment
• Synchronized and Integrated Asset Information and Asset Performance Data
• Synchronized Linkage to Temporal and Real-time Data
• Consistently Sharing an As-built Network Model Across the Enterprise
Multi-dimensional Asset Intelligence

Optimal EAM and GIS integration consists of the following five key elements:

- A shared asset data model with identified data ownership and systems of record for each asset and attribute.

- Integrated workflows and business processes to manage the creation, update, and viewing of asset data across EAM and GIS.

- A capability for administering asset, attribute, and relationship mapping across EAM and GIS, along with process-enabling configuration.

- Supporting application integration components.

- Composite EAM and GIS data for reporting, analysis, and enabling other consuming applications.
Asset Lifecycle Business Process Options
A Solution in Action
EAM – GIS Integration Through the Asset Management Lifecycle
Conclusion: Testing Out Smart Grid Readiness

As utilities approach the smart grid era, they know that an accurate and consistent view of network infrastructure is a foundational underpinning of any effective smart grid. They also understand that, in the future, new transformation drivers will emerge, requiring flexible asset-level integration that can be adapted to support ongoing and incremental process change. Both of these imperatives demand deep and agile integration of a utility’s GIS and EAM systems, as they are used to support and enable an evolving asset management lifecycle. In our view, such a capability will differentiate and drive the high performers in the smart grid-enabled utility industry of tomorrow.
Thank you!