

# Grid Management System – GMS – Vendor Due Diligence



- Supported a large electric Utility’s due diligence on grid monitoring and control system to accommodate high levels of Distributed Energy Resources (DERs)

Business Need	Challenge	Solution & Results
<ul style="list-style-type: none"> <li>• Maximize performance of feeders, transformers, and other components of networked distributed systems, as well as integrating with transmission systems and customer operations</li> <li>• Automation of distribution for the efficient and reliable operation of the overall power system</li> <li>• Realize benefits of distribution grid management including:                             <ul style="list-style-type: none"> <li>✓ Increased reliability</li> <li>✓ Reductions in peak loads</li> <li>✓ Improved capabilities for managing distributed sources of renewable energy</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Data capture &amp; correlation</li> <li>• Integration of DERs (Distributed Energy Resources) in real-time grid operations</li> <li>• Conservation voltage reduction</li> <li>• Prevention of power outages &amp; timely restoration</li> <li>• Ensure power quality</li> </ul>	<ul style="list-style-type: none"> <li>• Conduct strategic planning for GMS</li> <li>• Plan and develop technology roadmap</li> <li>• Develop business and technical requirements</li> <li>• Evaluate RFI/RFP documentation and technology</li> <li>• Oversee vendor management</li> <li>• Conduct functional/operational testing acceptance testing, and system integration</li> </ul>