



Client	Energy ISO
Profile	Client is responsible for the reliable operation of 550 generation units and a 38,000-mile power transmission system, carrying about 85% of the state's electric load, and serving 21 million customers. A member of the North American Electric Reliability Council (NERC), Client also functions as the independent system operator (ISO) for the region. The council monitors and schedules the flow of wholesale energy on the grid, balancing supply with demand and enabling fair competitive access. Client maintains records on grid activities and market participants.
Challenge	Develop and test complex software application used to run State Electric Utility Market
Solution (What Bluware Did)	<p>Bluware provided consultants for multiple initiatives including:</p> <ul style="list-style-type: none"> Technical and functional resources for the TX SET 1.5 project Technical lead for Client's Market Systems integration testing environment Technical lead for Client's systems administration group Technical and functional resources for the Client's Nodal project – specifically the SOA integration project Technical SME for a variety of Client technical areas assigned to resolution of a variety of critical time-sensitive Client projects Technical expertise for critical defect and root-cause analysis of Nodal vendor applications <p>Bluware consultants provided technical expertise for the development, testing and deployment of Client's market-facing transaction processing systems during the deregulation project. Other deliverables included deployment of Client's VPN solution, and the design and deployment of Client's redundant DNS architecture in support of site failover requirements. Bluware consultants worked with a large number of market participants in qualifying and developing Client market-facing systems as part of deregulation project and also migrated vendor software from Windows IIS based architecture to Unix Solaris.</p>
Benefit(s)	The successful project(s) completion facilitated the takeover of the State electrical grid from a large group of power companies and substantially improved vendor software performance during the deregulation project resulting in substantial system reliability improvements. We delivered on-time and on-budget the TX SET 1.5 project providing major functional improvements to Client's retail transaction processing systems. This consisted of substantial changes to SOA-based cross-system architecture.
Consultants	Team involving Infrastructure System Architect(s), Oracle PM, Oracle Senior Developer, Web App Developer, Senior System Admin, Java Senior Developer
Type	Variety of projects developing custom applications then integrating with and utilizing vendor-developed applications (COTS) within an SOA-based infrastructure.
Project length	Multiple projects spanning approximately 8 yrs. Client currently continues to utilize several Bluware consultants.
Tools/Technology Utilized	Java, SeeBeyond, TIBCO, Apache, Oracle, Sun Solaris, JBoss, Actional Intermediary, Siebel, PaperFree, LodeStar, Unix, Cisco, Cognos