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TALISEN Facilities Information Management

FIM Overview

Talisen Technologies, Inc provides a turn-key solution for the consolidation and management of enterprise resources and processes in a secure and easily accessible environment. Through this environment, facility information is presented in real-time, allowing for immediate corrective response or proactive avoidance. This solution, through process improvement and changes to the strategic planning model, offers direct energy and maintenance savings as well as cost avoidance in the areas of capital procurement and communications. The program is comprised of five interconnected silos:

- Global Access Facilities Portal
- Automated Enterprise Management
- Utility Bill Management
- Facilities Communications
- Business Process Management Solutions

Automated Energy Management (AEM)

Purpose

- Enable a highly integrated and automated approach to energy use analysis, energy use management, and facility equipment maintenance management.
- Incorporation of enterprise-level analytics, real-time reporting and dashboard views of operational efficiency.
- Verifiable, goal-oriented management of all facilities allowing the consolidation of the many independent stand-alone facility systems into a common "information based" managed network.

Benefits / ROI

- Energy savings of 10-15%.
- Maintenance savings of 20-30%.
- Near real-time reporting on energy consumption and related metrics, allowing rapid reaction to changing consumption and weather variables.
- Decreased cycle time in re-commissioning analysis providing valuable justification for capital plant expenditures.



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Global Access Facilities Portal (GAFP)

Purpose

- Provide centralized and secure role-based access into energy and maintenance management applications.
- Allow users to observe energy usage and maintenance requests and affect changes in real time.
- "One-stop" access to each of the project pillar applications: AEM, UBM, IT/Communications Assessment and BPMS.
- Provide an organization-wide federated authentication and authorization mechanism, allowing a common login and access to the majority of applications and data sites.

Benefits / ROI

- Enhanced data accessibility, integrity and transfer velocity.
- Remote application access necessary to support mission critical needs during required operational windows.
- Readily accessible archive/repository of project data, improving the consistency of data used by all stakeholders thereby reducing misinformation and errors.
- Improved project communication and collaboration and a reduction in project review cycle time.

Utility Bill Management (UBM)

- Development of an interface through which utility bills will be entered, subsequently triggering a payment to the utility provider.
- Development of a Utility EDI (Electronic Data Interchange) Connector through which bills will be received electronically and entered automatically into the utility bill interface.
- Development of a consolidated view into historical utility bill data, including trending information.
- Comparison of the utility bill information to utility tariffs to determine supply-side savings opportunities.
- Leverage the utility bill and tariff information to make load-shaping decisions and also analyze how generation resources can be utilized to shave demand during peak periods.

Benefits / ROI

- Reduction in the administrative effort required to process, pay and audit thousands of utility bills each month by providing a common interface for entering utility bills and then triggering payment.
- Further reduction of the administrative burden of utility bill payment by transferring EDI billing information (where available) directly from the utility into the utility bill interface, thereby eliminating the need to manually enter bill information.
- Allow analysis of previous utility bills in order to determine trends and analyze historical information.
- Further reduce utility costs by ensuring that utility services are being purchased as economically as possible.
- Further reduce costs by developing a plan for systematically managing the electrical usage during peak periods and utilizing the self-generation capacity to reduce or offset electrical consumption during peak periods.



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Facilities Communications Infrastructure

Purpose

- Provide visibility into the current and expected network connectivity of remote and possibly outdated facilities, specifically those facilities identified for AEM implementation.
- Address the determination of provisioned circuit access, related charges and available and optimized connectivity.

Benefits / ROI

- Through the discovery and aggregation of network connectivity (reduction of circuits) and the aggregation of circuit purchasing, a substantial savings is achievable on a per instance basis.
- Reduction of cost through the consolidation of network management services.
- Reduction of procurement costs through negotiations for services/equipment within a larger enterprise environment.
- Consolidation of duplicate circuits for multiple agencies at co-located facilities.

Business Process Management Suite (BPMS) Talking Points

Purpose

- Reduce material and labor costs incurred for facilities capital acquisition/project management and ongoing facilities maintenance operations.
- Optimize and standardize processes, ensuring best practice compliancy by staff, and adherence to defined policies and procedures.

Benefits / ROI

- Streamlined Operations: A 100% web-enabled integrated application suite allowing trained users to define, execute and monitor business processes from beginning to end, eliminating redundancy and reduce costs as a normal part of doing business.
- Gained Visibility: Through secure, web-based graphical dashboards, managers will be able to monitor business performance and analytical information in order to gain awareness of department operations, procurement activities and facility maintenance.
- Create Accountability: Via the portal, managers can delegate work, track deadlines, automate escalations, and monitor performance while enforcing personnel accountability for results through reports and audit trails.
- Drive Policy: A sophisticated rules engine will allow decisions to be made by business rules to ensure management policy is integrated and enforced during day to day process execution.