Foreseer® Proactively Monitors and Manages Power at Eaton’s New Project BlueGrass Data Centers

"Foreseer gives us the ability to respond to a situation in minutes."
Rob Agar
Eaton’s Vice President Enterprise Infrastructure Services and Mission Critical Facilities

Location: Louisville, Kentucky
Segment: Data Centers
Problem: New Data Center needs full Electrical Power Management System
Solution: Foreseer Services
Result: Foreseer implementation for proactive and predictive management

Background
Eaton Corporation’s 73,000 employees, who work across 507 sites in 54 countries around the globe, rely on information technology services provided by the company’s data centers. The centers are mission critical facilities that provide access to over 2,700 applications essential to the operation of the company. Via Eaton’s global area network, employees access applications such as e-Mail, Financials, Enterprise Resource Planning (ERP), Customer Relationship Management (CRM), Human Resource (HR) and many others from the data centers.

Aware that its 40-year-old data centers in Cleveland, Ohio, did not have the capacity to meet future information service’s needs, in 2005 Eaton launched a program (known as Project BlueGrass) to plan, design, and construct two 102,000-square-foot next generation data centers in Louisville, Kentucky, to support its current and future global business needs.

Challenge
Given the mission critical nature of the data centers, Eaton determined that it was critical to implement a technical solution that extended beyond the simple alarm notification process. The company recognized that the key to ensuring the data centers’ health and service availability was an Electrical Power Management System (EPMS) that not only addressed issues proactively, but also predictively.

The company wanted a solution capable of monitoring, managing, analyzing, and trending electrical component availability and power usage. Eaton’s goal was to implement a high performance, configurable solution that was integratable with other products.

Solution
Eaton’s Vice President Enterprise Infrastructure Services and Mission Critical Facilities Rob Agar explains, “To achieve our goals, we chose two primary monitoring and management
Key metrics are selected and displayed on a single dashboard.

Foreseer is highly configurable to reflect the actual facility layout with alert tags.

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