

Energy Management System (EMS) – Performance Assurance

Today's Energy Management System (EMS)

The 2003 blackout drew attention to the performance of existing energy management systems (EMS). Many were installed in the early 1990s, thus are somewhat outdated, under-maintained, underused compared with their potential value. As the result of deregulation and restructuring of the U.S. electricity market, utilities are facing increased economic pressure and are looking to drive their assets harder and extend the life of their EMS system. The business environment becomes ever more competitive. The need to improve operating efficiency and reduce maintenance costs is forcing utilities to examine how to extend the life of their EMS systems and assure their performance.

Our Services

Our industry experts provide a full range of services to maximize the performance of EMS systems:

- System Functionality Examination to identify problems
- Database Tuning to speed up response time
- Expert Guidance to improve existing work procedure
- Improved presentation of system information
- Algorithm Parameters Adjustment to improve convergence
- External Network Modeling for more precise calculation results
- Reliability Centered Maintenance (RCM) for facility life extension
- Interfaces with other software functions like Outage, CIS etc.
- Training on Power System Software Tools
- Staff Training on Operator Training Simulators (OTS)

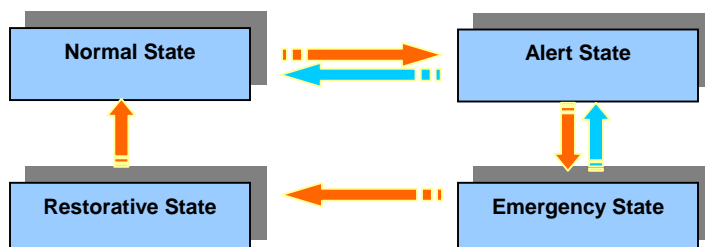
Our Industry Experience

CompuSharp is specialized in EMS/SCADA services for power industry. Our consultants bring a wealth of experience including working with ABB, SIEMENS, AREVA-Alstom, NERC, WECC, Entergy, PacifiCorp, Tennessee Valley Authority (TVA), and many others in North America.



Our Back-to-Basics Problem Solving Approach

CompuSharp utilize proven structured processes to improve the performance of existing EMS/SCADA system by observing the four fundamental power system states, and measures for life extension are undertaken. We adopt a new reliability R@R (reliability@risk) model to determine the system security.



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