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Expert Microsystems Delivers Asset Fault Signature Database Software to EPRI

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Expert Microsystems has successfully developed and delivered the Asset Fault Signature (AFS) Database to the Electric Power Research Institute (EPRI), which has released this important product for use by power generation utilities worldwide. The AFS Database provides an industry-wide repository of power plant equipment fault signatures that can be searched and retrieved by troubleshooting and diagnostic software applications.

“The purpose for the AFS Database is to catalog, store and retrieve the data signatures that indicate for an impending asset failure” says Randall Bickford, founder and President of Expert Microsystems. “This information is used by EPRI’s companion Diagnostic Advisor product and similar software to interpret changes in the observed plant data in order to identify and prevent such failures. This type of diagnostic knowledge is not documented effectively in any other industry database developed to date.”

The AFS Database is an element of EPRI’s Fleetwide Monitoring Software Suite, which is an enterprise-scale package of web based products developed for the power generation industry. The Fleetwide Monitoring Software Suite provides comprehensive prognostic and on-line monitoring capability for power plant assets and can deliver plant asset health information directly to the user via the customer’s existing enterprise portal products as well as through the software’s own web browser user interface.

About Expert Microsystems

Expert Microsystems has been developing innovative Prognostic and Health Monitoring (PHM) software solutions since 1994. In partnership with the US government and private industry, Expert Microsystems has developed the most accurate, flexible and cost effective PHM software available. This patented software—available under the SureSense® product name—detects operating anomalies and faults, automatically performs diagnostic analysis, and predicts remaining useful life of a degrading asset giving an essential early warning before the asset fails. SureSense has been successfully validated and used in numerous applications including: energy and power, military systems, rocket propulsion, aircraft turbine engines, batteries, cyber security and OEM embedded diagnostics.

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