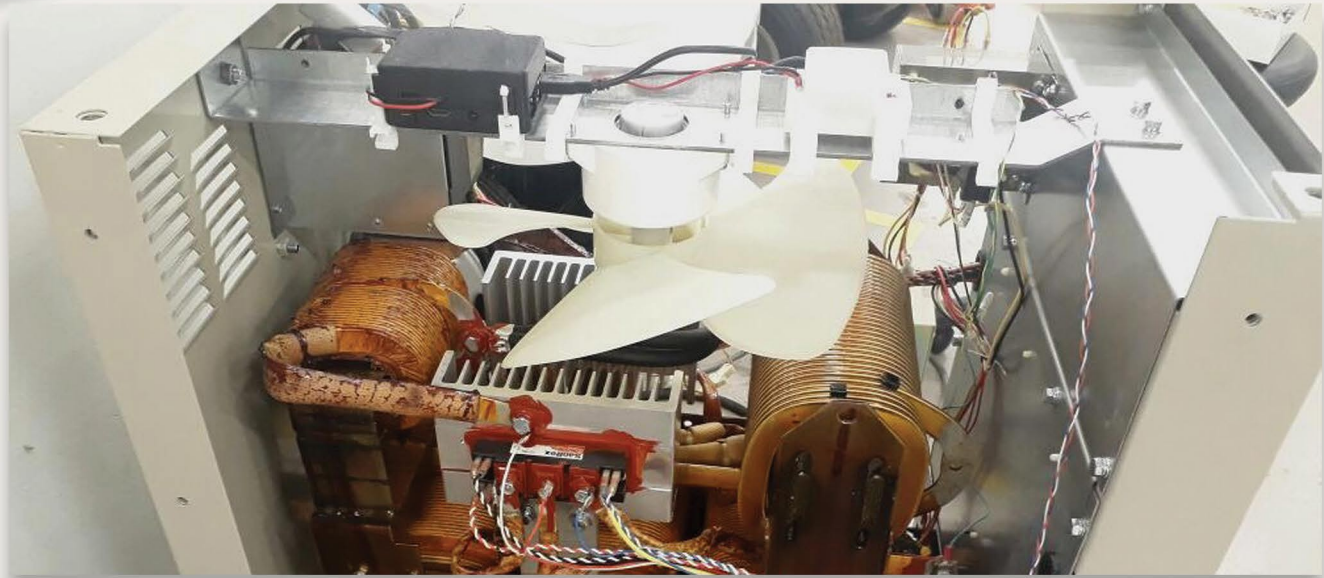


Smart Distribution Board (DB) Technology for Industrial Applications



Technology Overview

The Smart DB technology is an IoT device that is applied in industrial equipment to analyze and derive “energy signatures” from industrial equipment electricity usage patterns. Such signatures are applied to manage various aspects like equipment energy efficiency, worker productivity and safety.

This technology consists of the sensors and analytics to be applied collaboratively. Specifically, the current sensing technique is ruggedized to work in the harsh environment while achieving a low-cost hardware architecture. The data extracted and analyzed by the smart sensor can then be communicated to the server for visualization and advanced analytics to gain greater insight.

Features & Specifications

- Cost efficient and robust hardware architecture
- Machine state and efficiency estimation
- Real-time usage information
- Comprehensive functionalities in energy, behavior and workplace management

Customer Benefits

- Energy efficiency tracking and benchmarking
- Improve productivity
- Enhance worker and workplace safety
- Product and output quality tracking

Potential Applications

- Shipyards, rig builder yards
- Factories
- Any industrial equipment that uses electricity

