



smartpower

Immediate Actionable Insights

by

usp&e

An Energy KPI Management Platform Like No Other

A PLATFORM LIKE NO OTHER

FROM ANYWHERE IN THE WORLD

SMARTpower, whose origins began in 2009, is an online fuel efficiency and O&M tool for power generation that was created by USP&E to digitally monitor power plants that we operate and maintain. This proprietary web-based control system monitoring tool utilizes power plant control room tracking data that can be viewed anywhere in the world. The uniqueness of the program lies in its ability to capture the entire operations process including manpower, work orders, spare parts inventory and service schedules, and condense them into a single operational dashboard for KPI tracking and variance management.

This state-of-the-art fully-encrypted and secure, uniquely designed software platform works with any mix of engines, PV, energy storage, and other generation equipment.

Key functionalities of SMARTpower include:

- Energy output metering
 - fuel consumption
 - Engine reliability
 - Overall plant performance
 - Fuel efficiency
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- **The multi-layered program tracks:**
 - Temperatures
 - Pressures
 - RPM
 - Frequency
 - Alarms
 - Upcoming services
 - Number of engines that have run
 - Number of engines that are next in line for services
 - Energy trend and capacity of an engine



SMARTpower also has the capacity to **centralize key information, standard operating procedures and health and safety best practices**. This is critical for data security, staff training, compliance, quality assurance, and overall plant optimisation.



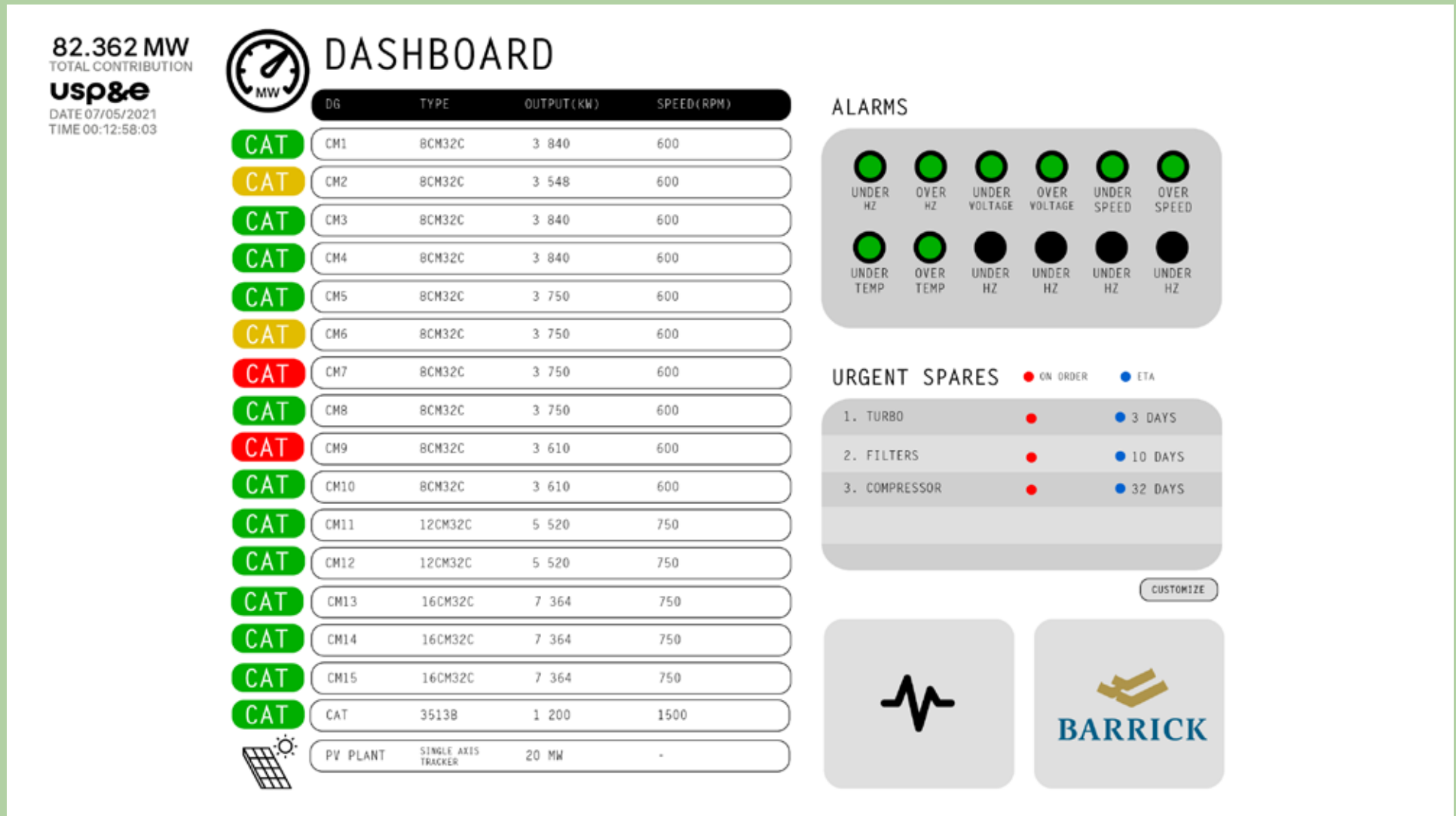
POWER TEAM

SMARTPower Solutions

Through the use of this proprietary, web-based software control and annunciation platform, USP&E's senior team of E&IC project managers, who are some of the best controls people in the world, can remotely trouble shoot problems, modify key parameters, evaluate HMI, PLC, VHD and other sub-systems, and work to find immediate solutions in real time, no matter how remote the project site.

MONITORING CAPABILITIES

The following screen shot from our SMARTpower application illustrates some of the monitoring capabilities:





SMARTPOWER OFFERS

EXCLUSIVELY FROM USP&E

Reduced equipment and asset downtime
by up to 26%

Extended asset and equipment lifetime
by up to 11%

Achieve up to 500% ROI
by integrating SMARTpower into your O&M platform

Fully integrated with any local HMI and PLCs
with integration of SMARTpower



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