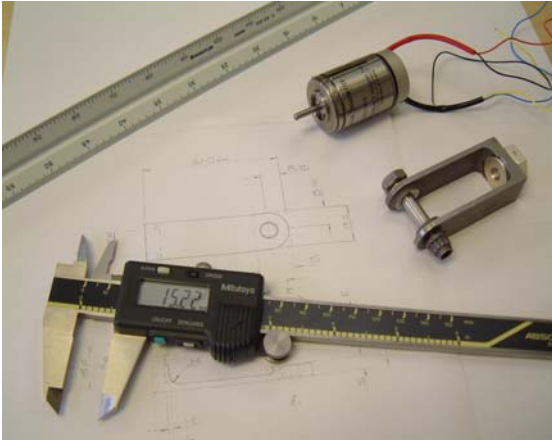


## ENGINEERING RETROFIT PROJECTS



EPS satisfies customer's specific engineering requests that are non-standard or improve existing system functionality.

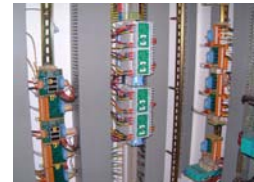
Key areas of improvement are:

- Turbine operation data collection.
- Control system logic.
- Built in system redundancy.
- Material specification.
- Extended component life.
- Control display screen mimics.
- OEM System Compatibility.

Solutions completed include:

### LM2500@Izegem, Belgium - Speed Probe Retrofit

The modification includes the installation of all hardware and software whereby the system utilises the dual speed signals on the rotating shafts in order to provide a fault tolerant speed measuring system with in-built redundancy resulting in reduced unit trips.



### LM1600@Heathrow Airport, United Kingdom – Enclosure Temperature RTD47

The modification includes the installation of all hardware and software whereby Turbine enclosure temperatures are monitored with appropriate alarm and trip commands added to the control system.

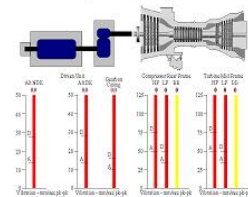


### LM1600@Heathrow Airport, United Kingdom – Turbine Package Re-cabling

The project included the replacement and upgrade of all on skid package cabling.

### LM6000@Knapton Generating Station, United Kingdom -Vibration Software Upgrade

The project included the software builds for the communication links between the Vibrometer hardware, LM6000 Turbine Control Module -TCM and customer DCS system with an upgrade to the TCM mimic screen.



### LM2500 @ BP Espana Castellon, Spain - VSV Feedback Upgrade.

Provides positive positional feedback to the Turbine Control Module. Includes hardware and software upgrades.



### LM2500 @ BP Espana Castellon, Spain - P2 Compressor Monitoring Upgrade.

Modification provides data that establishes compressor efficiency. Hardware and software installation that improves productivity.

### LM1600@Heathrow Airport, United Kingdom – Package Flexible Hose Replacement

The project provided replacements for all “Captch” stainless steel flexible hoses to the turbine.

Should you wish to know more about our engineering retrofit capabilities please contact our main offices.