



“EPS PowerCare™ gave us huge ROI” *TVP Heathrow*

When EPS took over a TVP site outside London with Volvo Aero Corporation it was operating at 83% availability. Under PowerCare™ Managed Maintenance TVP Heathrow now operates at 99% availability; a net improvement of 16%. Such dramatic gains are fortunately rare in the Industry, but with energy costs running at an all-time high, down-time can bring crippling financial penalties. An LM1600 machine producing 14MW can generate net energy revenue of around £10k per day. At Heathrow the benefit of using PowerCare™ has been a Return on Investment (ROI) that repaid the cost inside the first three months of operation!

At Heathrow this power could be purchased from the Grid, albeit at heavy premiums at peak times. In a process environment such as a refinery or ceramics production facility, where process energy is critical, the value of the opportunity cost can be a multiple of this.

With PowerCare™ package Managed Maintenance, costs can easily be recouped just on improved availability. Add to this the potential to forestall unscheduled incidents costing perhaps as much as £750k in expensive prime mover repairs, the economics of PowerCare™ speak for themselves.

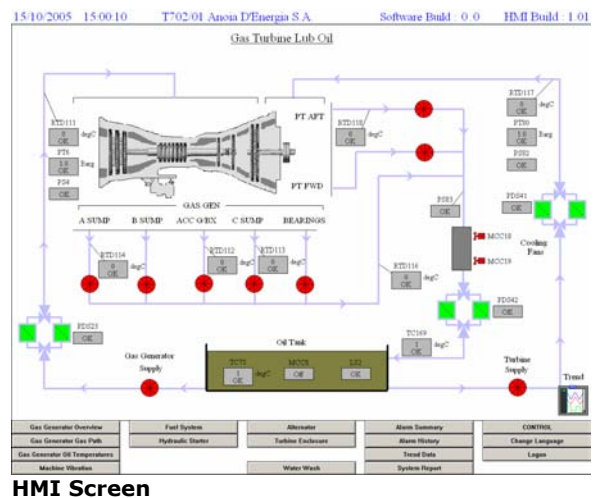
As further evidence of this, the recent purchase by Energit of the Enerbiella site in northern Italy shows how the simple fact of introducing EPS PowerCare™ Managed Maintenance to a marginally-economic, effectively mothballed plant, enabled operations to be restarted profitably and led to a large capital gain for the owners.

What's New?

New MkII HMI upgrade complete

EPS recently completed the installation and commissioning of their latest HMI Upgrade (MKII) at Sonderborg CHP co-gen installation in Denmark. From their Technical HQ in Loughborough, EPS can now monitor and retrieve real time engine and package performance data from the Sonderborg plant.

Existing satisfied customers include: Cerestar - Spain, TVP – Heathrow, and Knapton – Yorkshire, as well as their Alliance partners Wood Group LIT in support of their activities in Siberia. Users can now get intelligent feedback and analysis from the EPS engineering team about engine conditions and events without having to wait for turnaround from the OEM – or travel to Siberia!



Vibration calibration

EPS has now set up its own PowerCare™ in-house vibration calibration unit. This allows EPS to better manage and integrate this activity into its tightly programmed maintenance schedules in order to minimise disruption to its clients' operations. This is consistent with EPS's policy of Continuous Improvement, especially in areas where others do not always perform to the requisite service level.

Support of major Primes for DDIT, & GE-LM engine packages

Wood Group LIT
General Electric
Standard Aero

Volvo
TCT
Siemens

Some PowerCare™ users



BP Castillon

EPS provides ad hoc support to BP on LM2500. This unit is critical to the refinery operation and so a high level of availability is required. EPS have carried out a number of system upgrades to improve turbine system reliability and monitoring.



Enerbiella Italy

This LM1600 site was proving uneconomic to operate until EPS took over with PowerCare™. Now Enerbiella is running profitably. This has proved a Win-Win-Win situation for the Parties.



TVP Heathrow

When EPS took over this site with VAC it was operating at 83% availability. Under PowerCare™ Heathrow now operates at 99% availability under a Level 3 LTSA contract.



Silkeborg Dk

These units were some of the first LM6000 DLE installations in Europe and both have in excess of 50,000 hours of service. EPS PowerCare™ is used primarily for fault diagnosis and combustor mapping.

PowerCare™ - currently for LM & DDIT engine packages

PowerCare™ is the new power systems maintenance management product from European Power Systems Ltd. It combines the personal service from EPS' experienced technical staff with a structured on-line Knowledge Base, remote access telemetry and a Quality-driven process.

What is PowerCare™?

PICS - Phone-In Consultancy

Ensures that you can get the technical help from our specialists whenever you need it or want it

Real-time Access Telemetry System

Get on-line instant visibility of how your package is performing; plus monitoring from the EPS Technical Control Centre & save on call-out time

PowerCare™ managed maintenance

Critical Spares Management

EPS manages the spares you need, from critical parts to scheduled maintenance items. This means that you don't have to worry about waiting for parts to keep your system generating revenue.

LTSA Managed Maintenance

Guarantees best availability level

- Level 0
- Level 1
- Level 2
- Level 3

Control System Upgrades

EPS covers a range of popular makes, but has a specific and focused expertise in the repair, supply and upgrade of Rustronic control systems. Many critical components can now be supplied from stock, rather than having to wait 6 months for manufacturer's parts.

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