

GAS TURBINE CONTROL

THE SMALL PACKAGE

FLEX500

HIGH
PERFORMANCE
IN A SMALL
PACKAGE

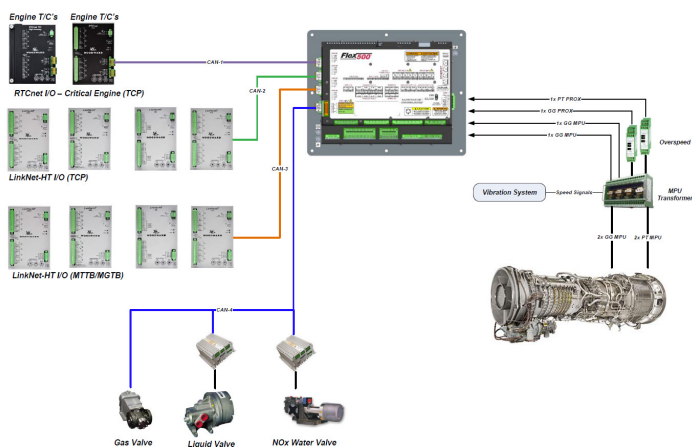
→ LM2500 Base SAC

→ LM2500 Plus SAC

→ LM2500 Plus G4 SAC

Woodward, Inc.
1041 Woodward Way, Fort Collins, Colorado, 80524 USA
www.woodward.com





Cost

Looking for a cost-effective solution to upgrade and extend the life of your LM2500 SAC turbine controls? Need to find a way to do it sooner before obsolescence impacts your availability?

Woodward's proven Flex500 turbine control provides you a cost-competitive purpose-built platform utilizing the same core software you've come to trust in our high end systems installed across the LM fleet of aeroderivative gas turbines. The Flex500 is OEM qualified for use on all LM2500 SAC turbines today.

Robust Platform

The Flex500 is based on Woodward's pedigree of purpose-built controls. This control system provides a flexible, real-time platform to control single and two shaft gas turbines and associated processes such as high-speed closed-loop speed or pressure control, system sequencing, auxiliary systems control, monitoring, alarming, and station control. Deterministic software recursion rates in the Woodward controls provide consistent responses to system upsets like load rejections or grid stability events.

→ Do you need more information?

TURNER ENGINE CONTROL SOLUTIONS

Stoke-on-Trent, United Kingdom info.uk@turner-ecs.com
 Hoofddorp, The Netherlands info.nl@turner-ecs.com
 Langen, Germany info.de@turner-ecs.com
 Desio, Italy info.it@turner-mcs.com
 Middle East (KSA, Qatar, UAE) info.me@turner-ecs.com



System Reliability

The Flex500 control system and high temperature I/O nodes are specially designed for harsh industrial environments providing higher package availability and reliability than general purpose control systems. Advanced service tools, improved data collection and troubleshooting tools reduce time to diagnose issues, reducing mean time to repair (MTTR).

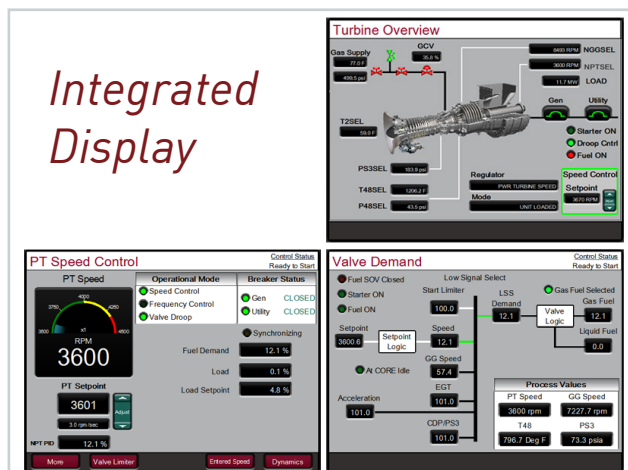
Control Performance

The Flex500 control system's guaranteed software recursion rates (5, 10, 20, 40, 80, 160 millisecond scan rates) and CPU horsepower provide consistent transient response performance for gas turbine applications to quickly monitor and safely react to changes in critical signals during dynamic events. Meets Primary Frequency Control (PFC) grid response requirements.

Common Software

The Flex500 control is programmed using Woodward's Graphical Application Programmer (GAP) Application Development Environment (ADE) software. The self-documenting GAP software allows control engineers to design custom control system software for any application. The Flex500 utilizes the same core software algorithms as our market trusted MicroNet Plus system.

Integrated Display



FLEXIBILITY
FOR THE LM2500

For general information on Woodward products or to download manuals and other documentation, visit:

www.woodward.com