

Fueling Progress

Our customers are the OEMs and packagers of industrial engines and turbines. By focusing on the success of our customers, Woodward Industrial Controls has become one of the *largest independent suppliers* of energy control technologies for gas and diesel engines and industrial turbines in the world. Woodward controls are operating on engines *all over the globe*, keeping equipment running safely and operations running efficiently.

Today, Industrial Controls is focusing on the technology that made us a *leader in engine control:* on-engine controls and fuel systems. What we refer to as *Core Fuel and Combustion Control (CFCC)* is a strategy that truly places us back at the heart of the system, providing state-of-the-art fuel systems, actuators, valves, and controls that will maximize *fuel economy*, *efficiency*, and *emissions control* while *minimizing system costs*.

Industrial Controls is building on its existing electrically operated valves and actuators and digital controls to bring "smart" components to market and to enable a truly intelligent, "Networked Engine."

Maximize your FUEL ECONOMY and EFFICIENCY and reduce your EMISSIONS



Real world of low cost ower and origh volume

In this era of low cost processing power and inexpensive, high volume components, Industrial Controls has set itself apart from other vendors.

The accumulated knowledge gained over decades of working on prime movers and developing, manufacturing, and applying *Core Fuel and Combustion Control* solutions for precision control of fuel, air, and unit control make us unique.

No other vendor can offer the depth of expertise and experience specifically in the area of engine and turbine control devices. Anyone can apply PCs and commercial operating systems to control applications, but Woodward takes advantage of PC economics to drive down costs and then provides specialized software and I/O to apply those tools effectively to the demanding engine or turbine control

environment.

Combine this with our extensive experience and Woodward becomes the obvious choice.

Today, Industrial Controls offers a complete range of actuators, valves, fuel delivery systems, and digital engine controls and is utilizing cuttingedge technology to produce the next generation of solutions.

Gas Engines

- Mass Flow Metering Systems
- Electronic Fuel Admission
- Mixers and Carburetors
- High Temp Exhaust Valves
- Detonation/Misfire Detection
- Air/Fuel Ratio Control

- Control Software Expertise
- Distributed Control
- Networked Engine Control
- Integrated Generator Control
- Ignition Systems
- Sophisticated Engine Control Solutions

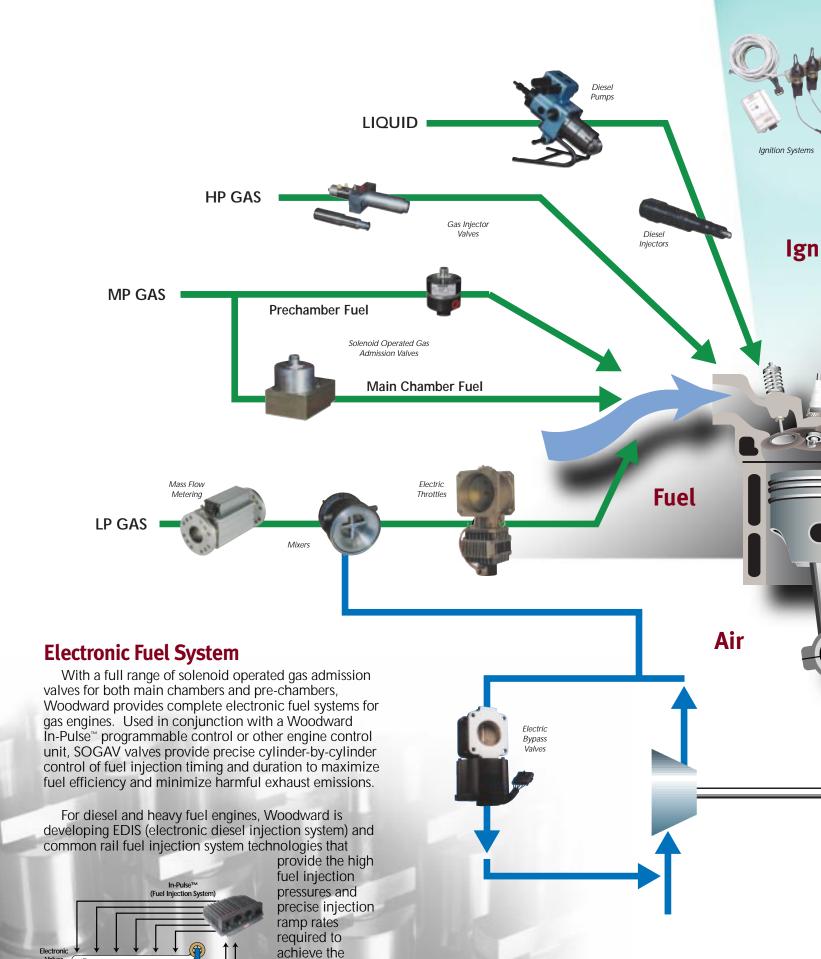
Diesel Engines

- Mechanical Fuel Injection
- Electronic Fuel Injection
- Electrical Actuation
- Distributed Control
- Control Software Expertise
- Mechanical Actuation and Governing
- Sophisticated Engine Control Solutions
- Networked Engine Control
- Integrated Generator Control

WOODWARD offers you a GREATER

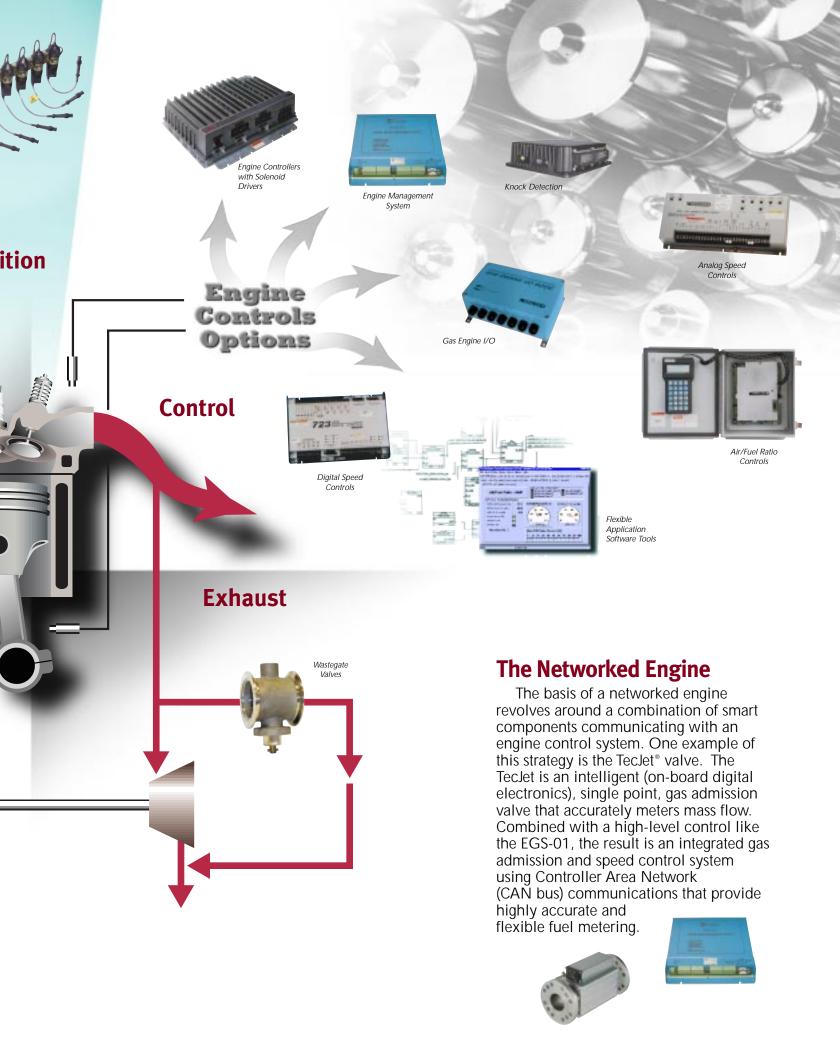
depth of EXPERTISE and experience





ultimate in high fuel efficiency, low emissions engine

designs.



Quality—It's a

way of life

With decades of experience in designing, manufacturing, and applying actuators, governors, valves, and engine control systems, Industrial Controls has established itself as a dynamic leader in the Gas and Diesel engine market.

Our reputation has been built on the quality and reliability of our products, our extensive manufacturing capabilities, our global support, and our unmatched service.

However, if our customer is not successful, Woodward is not successful, therefore Woodward emphasizes customer satisfaction in four important areas known as **QDRC**

Quality. The first time, every time. This is our first priority.

Delivery. On-time delivery so you get our products when you need them.

Responsiveness.

We respond to your needs without delay.

> **Cost.** We constantly strive to reduce costs.

We intend to reach our QDRC goals by systematically applying Six Sigma methodologies to all of our processes. Today all of these



characteristics are being enhanced by Woodward's corporate-wide implementation of the Six Sigma quality philosophy.

Additionally, to help ensure the success of our customers, Industrial Controls can provide:

- Engine/System modeling
- Application engineering support
- Extensive standard and custom training programs
- Worldwide service and technical assistance

Six Sigma is a philosophy of continuous improvement focused on reducing process variation and increasing the robustness of product designs. It relies on an improvement strategy that is used by all employees to improve the quality of products, services, and processes.



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For a complete listing of Woodward locations, service facilties, and distributors, see our worldwide directory on our website.

Call us to talk to one of our expert product managers or visit our website.

www.woodward.com/industrial

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