REDUCE SYSTEM DEVELOPMENT AND COMMISSIONING TIME
For over 145 years, Woodward has been collaborating with OEMs and end users to provide the technology, application expertise and support that you’ve come to trust from a market leader. Our field-proven prime mover and compressor controls and protection technologies are safely operating some of the world’s largest compression systems. And, many major compressor manufacturers incorporate Woodward systems into their equipment.

Our integrated turbine-compressor and motor-compressor control systems maximize availability and performance in upstream, midstream and downstream oil and gas applications, helping owners run their compression systems and process at peak efficiencies. All of our systems meet industry standards for machinery control and safety, and are fully tested in a dynamic simulation environment—enabling you to reduce both system development and commissioning time.

CUSTOM COMPRESSOR CONTROLS
Woodward’s Integrated Compressor Control Systems utilize field proven hardware packages (MicroNet Plus or MicroNet TMR) and OEM qualified algorithms to improve compressor train performance, reliability, and protection. These purpose-built controllers are customized to meet the control, protection, and decoupling functionality required for the specific application’s requirements.

STANDARD COMPRESSOR CONTROLS
Woodward’s Vertex and Vertex-Pro control product lines are designed to control and protect industrial sized axial or centrifugal compressors with one or two recycle loops only. These standard off-the-shelf controllers are field configurable allowing OEMs and or users to easily configure/select the specific control algorithm required for the specific compressor loop and application.

ADVANCED TECHNOLOGIES
Woodward has developed surge preventive techniques that help compressor users achieve peak performance of their process and minimize process disturbances. All our solutions are modeled in our advanced dynamic simulation program (NetSim) before being implemented in the control systems. Woodward’s patented rate PID algorithms provide anticipative opening of anti-surge valves during process upsets to minimize overshoots and allow safe operations with minimal safety margins. Compressor turndown is maximized and higher product yields are achieved.
FIELD PROVEN
With over 40,000 steam or compressor controllers installed worldwide, Woodward’s control systems have been proven to stand up to harsh environments, as well as meet the rigorous control requirements of OEMs and users in upstream, midstream, and downstream applications.

Robust product designs are leveraged to ensure long-term operation, no matter what the environment of application.

OEM QUALIFIED
OEM control system qualification is a stringent process in which details of the control system design, application architecture and performance are carefully scrutinized and tested by the OEM to ensure to meet performance requirements.

Woodward’s advanced technology compressor and prime mover control algorithms and hardware are qualified and have become a standard on OEM systems throughout the world.

GLOBAL SUPPORT

Colorado:
coloradofieldservice@woodward.com
+1 970-498-3609
turbinehelpdesk@woodward.com
+1 970-482-5811, option 7

Brazil:
vendas@woodward.com
+55 19 3708-4800

Europe:
fieldservice.europe@woodward.com
+31-23-5661257
helpdesk.europe@woodward.com
+31-23-5661239

China:
fieldservice.china@woodward.com
+86 (512) 8818 5515
helpdesk.china@woodward.com

Japan:
fieldservice.japan@woodward.com
+81-43-2132198
helpdesk.japan@woodward.com

India:
fieldservice.india@woodward.com
+91 (129) 409 7100
helpdesk.india@woodward.com
+91 (124) 439 95330

Middle East
fieldservice.middle-east@woodward.com
+971 26267 929
Saudi, +966 135 107 900

Russia
fieldservice.russia@woodward.com
+7 812 319 30 07