



HEINZMANN

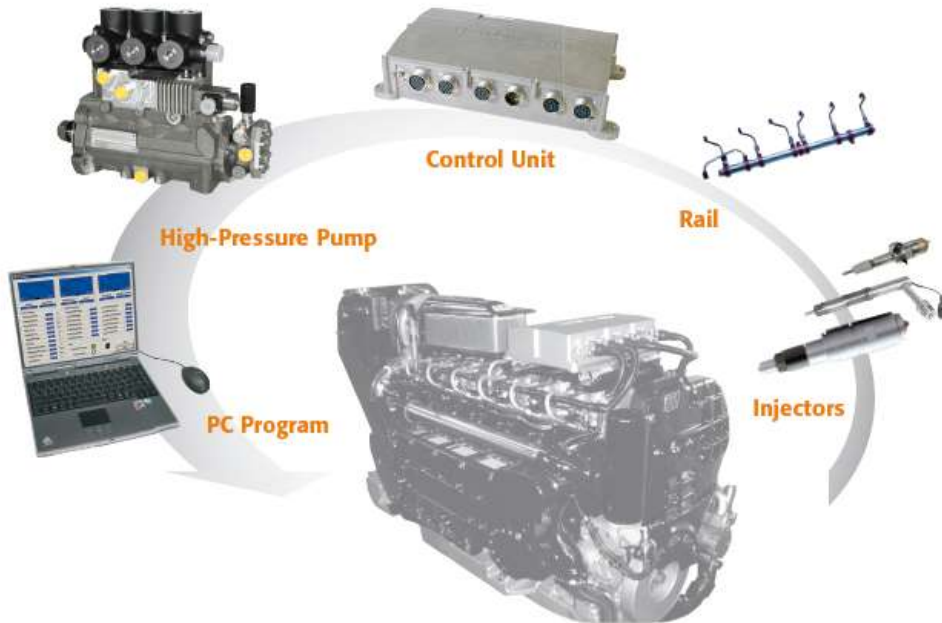
Engine &
Turbine
Management

Selection of Products

Flexible & Reliable Solutions

ODYSSEUS

Complete Common Rail Systems



- ✓ High-pressure up to 2000 bar
- ✓ Various sizes of injectors
- ✓ Smart technology
- ✓ Turnkey solution
- ✓ Applicable for diesel fuels and heavy fuel oil

DARDANOS

Electronic Fuel Injection Control Systems



- ✓ Optimised fuel efficiency
- ✓ Redundancy
- ✓ Lower environmentally harmful emissions
- ✓ Reduced smoke especially during start-up and acceleration

Digital Control Systems



- ✓ Speed & load controls
- ✓ Gas engine emission controls
- ✓ Dual fuel applications
- ✓ Power generation
- ✓ Marine controls
- ✓ Locomotive controls
- ✓ Turbine controls
- ✓ Off-road applications

HELENOS I-V

Digital Control Systems



- ▣ Various types and sizes of actuators
- ▣ Speed governor and positioner mode

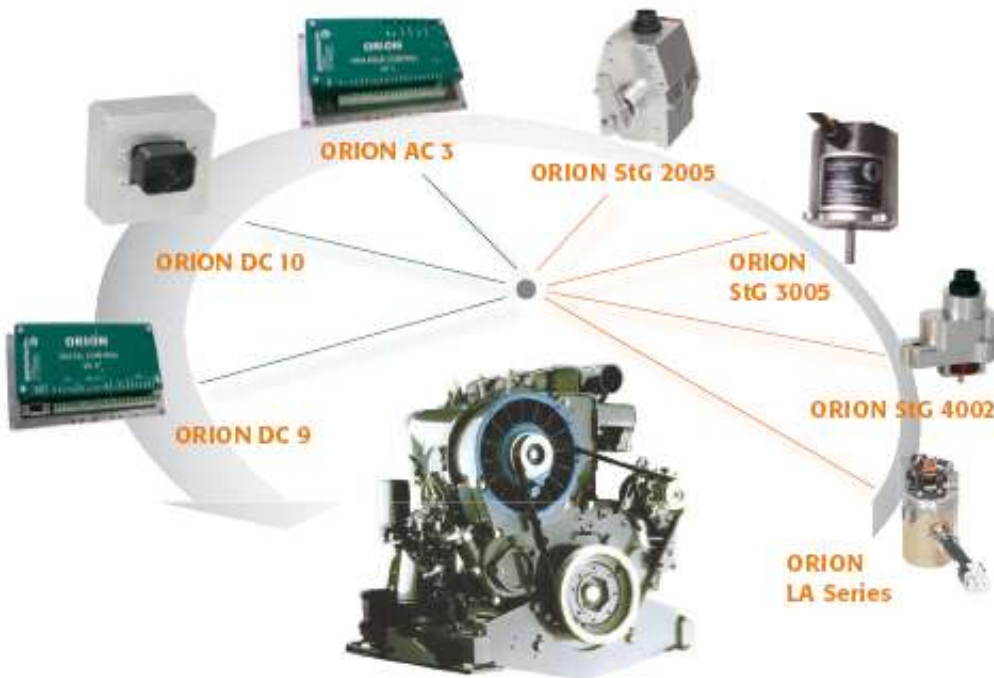
HELENOS Applications

- ▣ Power generation
- ▣ Pump drives
- ▣ Marine applications
- ▣ Locomotives
- ▣ Vehicles



ORION

The New Cost-effective Generation of Speed Control Systems



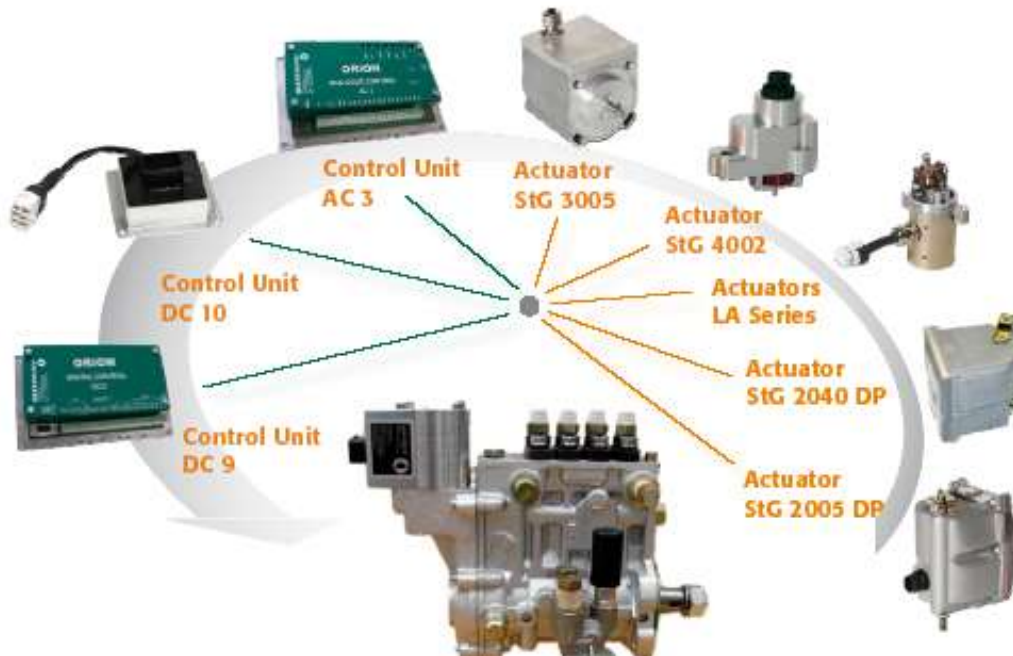
For small and medium-sized diesel & gas engines

- ✓ High efficiency
- ✓ Analogue & digital controls
- ✓ Optional rotary for linear actuators



Assembly Kits

Electronic Control Systems for Fuel Injection Pumps



- ✓ Enhanced options of engine control
- ✓ Fuel limitation
- ✓ Easy to adapt
- ✓ Dual fuel options

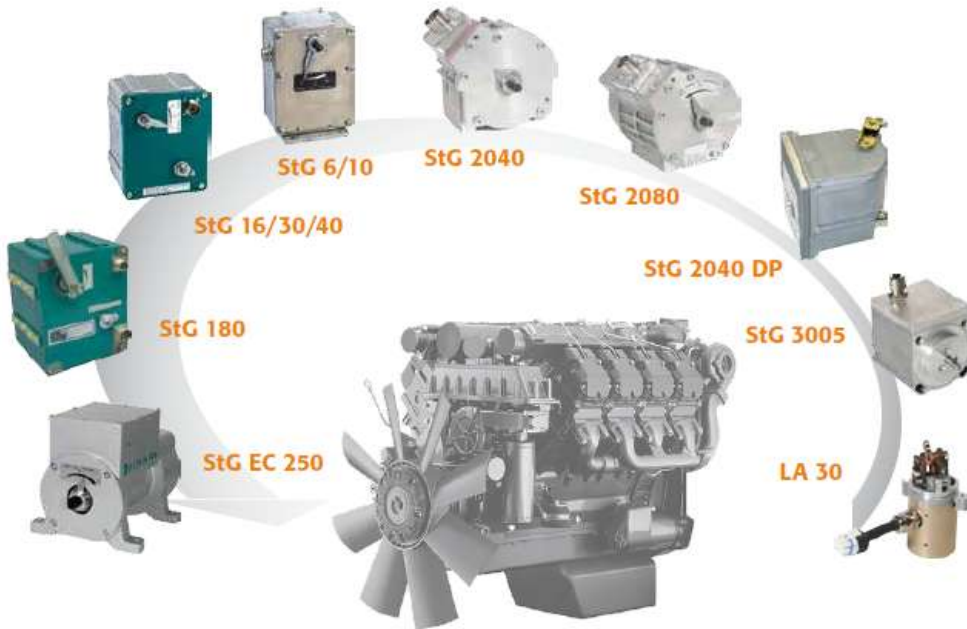
Analogue Control Systems



- ✓ Diesel and gas engines
- ✓ Gensets
- ✓ Combined heat and power
- ✓ Pump drives



Actuators



- ✓ Easily fitted to any engine
- ✓ Proven reliability and long-life cycle
- ✓ Covering any field of application
- ✓ Directly acting actuators with rotary or linear output
- ✓ Actuators with gears
- ✓ Actuators with integrated positioning electronics
- ✓ EC versions with brushless drive

REGULATEURS EUROPA Products

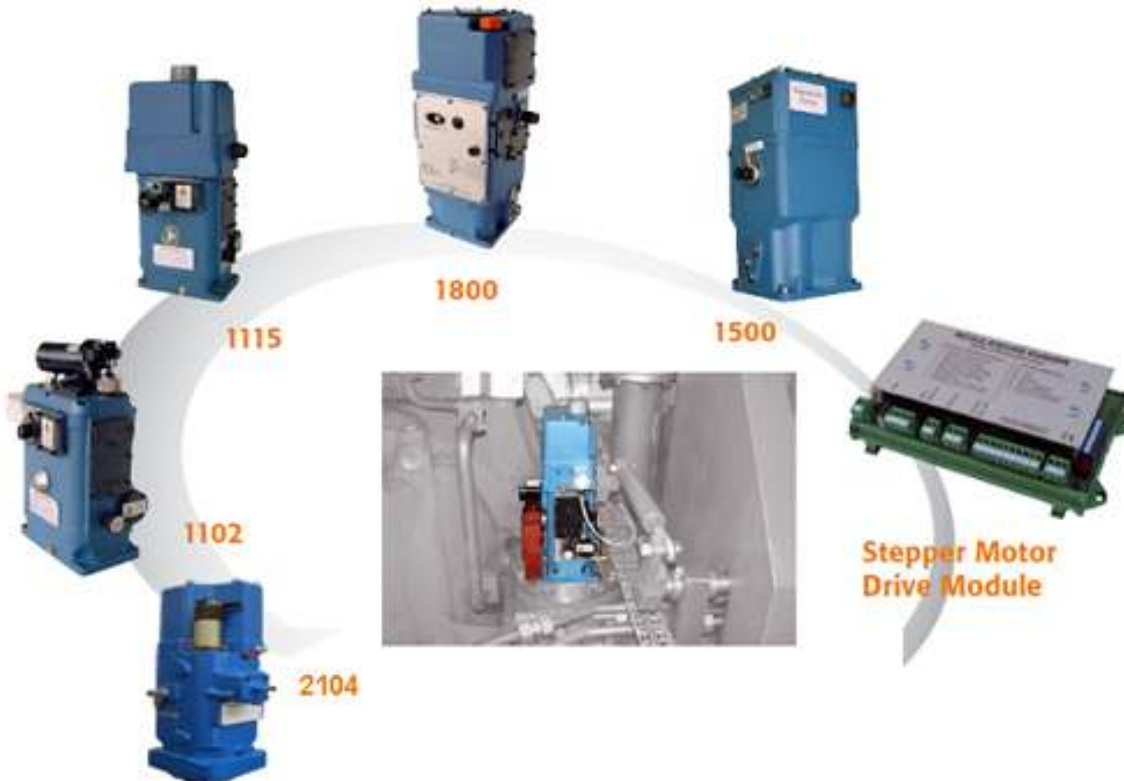
Control, Monitoring & Power Management



- ✓ Power management and control systems for marine, industrial and rail traction applications
- ✓ Monitoring, alarm and safety systems. SCADA systems
- ✓ Viking35 digital electronic governor
- ✓ ICENI distributed I/O modules

REGULATEURS EUROPA Products

Hydraulic Governors



- ✓ Work output from 8 – 250 ft lbf (11 - 340 Nm)
- ✓ Marine, generator, rail traction and turbine applications
- ✓ Manual, pneumatic, motorised or 4 – 20 mA speed control
- ✓ Adaptors to replace other manufacturers' governors
- ✓ Spares, service and overhaul

REGULATEURS EUROPA Products

Hydraulic Actuators



- ✓ Work output from 8 – 250 ft lbf (11 – 340 Nm)
- ✓ Ballhead back-up capability
- ✓ Marine, generator, rail traction & turbine applications
- ✓ Compatible with RE Viking35 digital electronic governor & with other manufacturers' control units
- ✓ Adaptors available to replace other manufacturers' actuators
- ✓ Spares, service and overhaul

PANTHEON

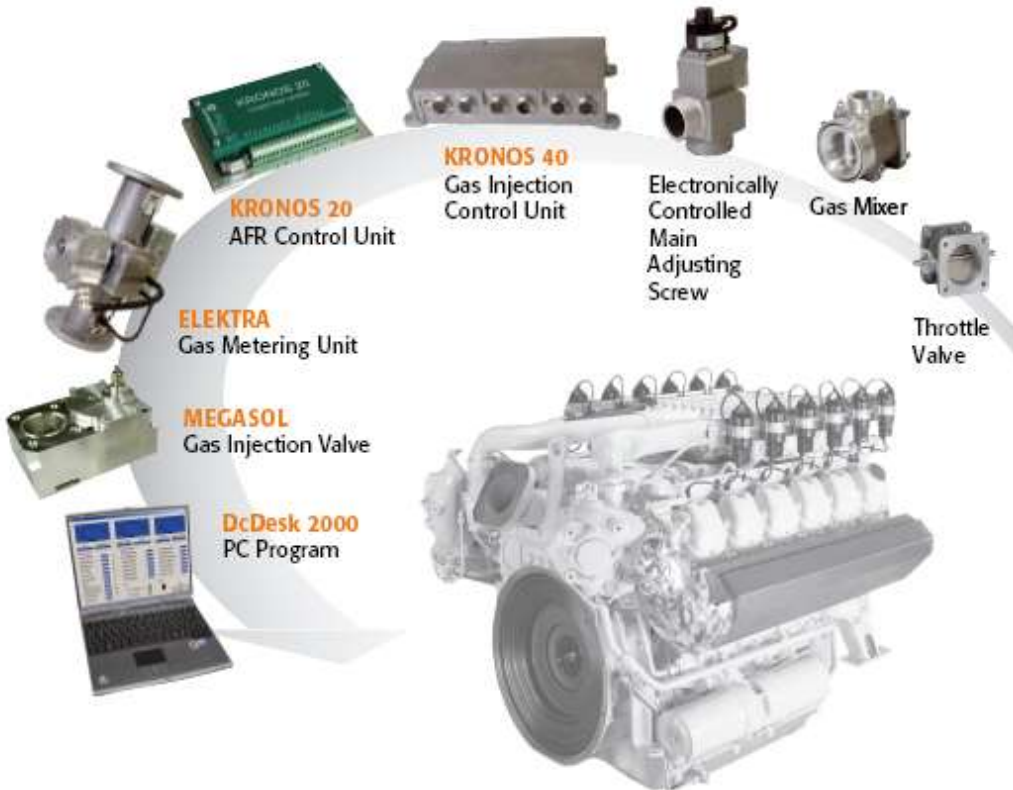
Integrated Gas Engine Management



- ✓ All functions integrated in one control unit
- ✓ Modular system from one single supplier
- ✓ Tailored for your needs
- ✓ All gas qualities from natural gas to wood gas

KRONOS

Gas Engine Control Systems



- ✓ Air fuel ratio control
- ✓ Speed and load control
- ✓ Lower emissions
- ✓ Savings on fuel

PHLOX Ignition Control Systems



- ✓ Complete ignition system
- ✓ Precise ignition timing
- ✓ Increased spark plug durability
- ✓ Easy integration via CAN
- ✓ On-board diagnostics
- ✓ Up to 16 cylinders

ARTEMIS Dual Fuel Control Solutions



- ✓ For stationary genset or compressor applications and vehicles
- ✓ For different sized high or low-speed engines
- ✓ Precise control in diesel mode as well as in gas mode

THESEUS

Digital Generator Management DGM-02



- ✓ Suits all engine sizes
- ✓ For island and mains-parallel operation
- ✓ Compatible with engines and governors from all manufacturers

POSEIDON

Control Systems for Marine Operation



- ✓ For main propulsion engines
 - single and twin engine installations
 - redundant control systems
- ✓ For auxiliary engines
- ✓ Conventional or electronic fuel injection

PEGASOS

Locomotive Control Solutions



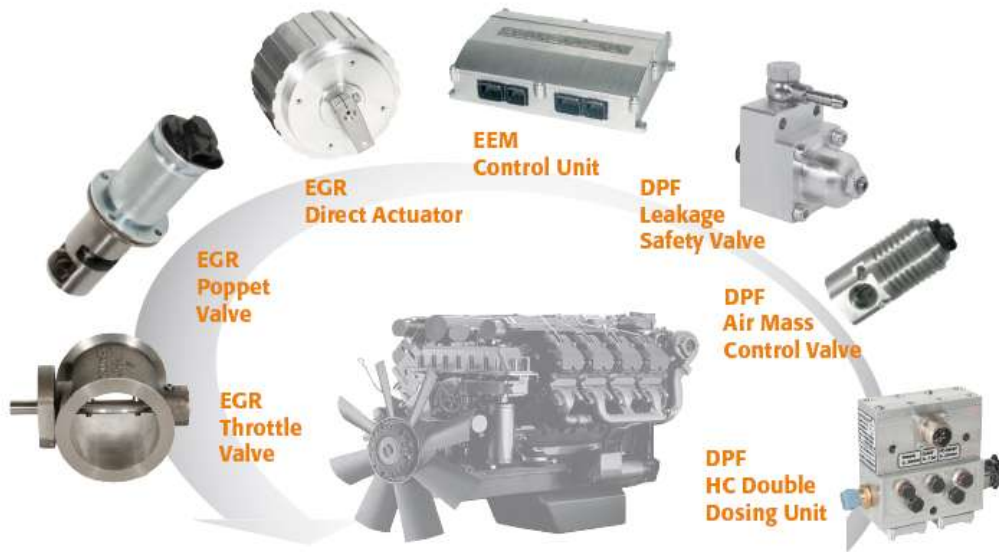
For diesel electric and diesel hydraulic drives

Digital locomotive control systems for diesel electric and diesel hydraulic drives

- ✓ Fuel savings
- ✓ Black smoke reduction
- ✓ Combined control
- ✓ High flexibility
- ✓ Proven reliability

APOLLON

Engine Emission Management

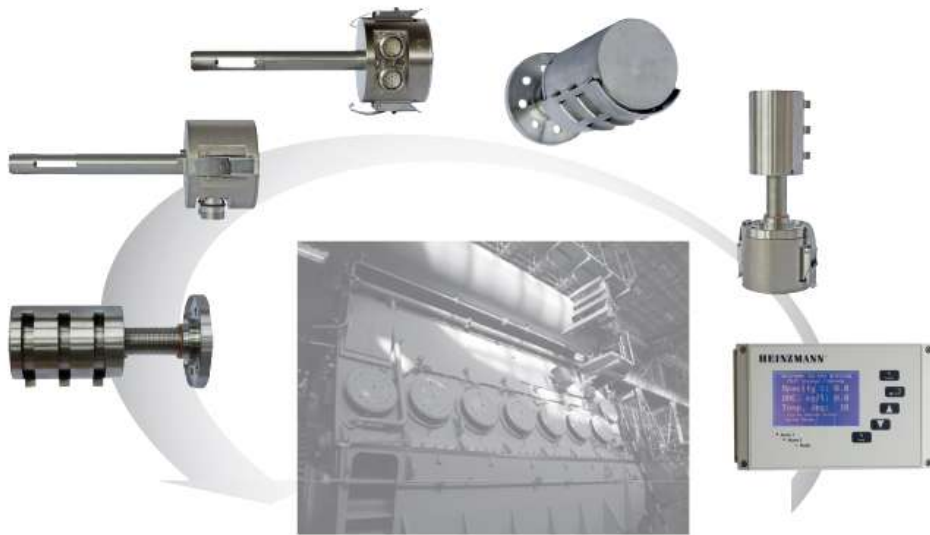


- ✓ Exhaust Gas Recirculation
- ✓ Active diesel particulate filter regeneration
- ✓ Turbo wastegate



TRITON I

Oil Mist Detection System for diesel engines



- ✓ Protection from damage and explosion
- ✓ Pipeless and suction free: in-situ detection
- ✓ Online and continuous monitoring
- ✓ Self-redundant measurement system
- ✓ ATEX version available
- ✓ Marine-classified



TRITON II Arc Protection



- ✓ Reduced damage and decreased repair cost
- ✓ Minimised production downtime
- ✓ Improved personnel safety



TRITON III

Hydraulic Cranking Systems

for engine applications



- ✓ Reliable, instant cranking power
- ✓ Cranking up engines from 100 kW to 5 MW
- ✓ Wide operating temperature range down to -40 °C
- ✓ Ex-proof and marine classification versions
- ✓ Worldwide support

Configuration and Visualisation Tools for Digital HEINZMANN Systems



- ✓ Parameterisation
- ✓ Visualisation
- ✓ Diagnosis

Sensors for Digital Control Systems



- ✓ Temperature sensors
- ✓ Pressure sensors
- ✓ Speed sensors

Solenoids for Electronic Fuel Injection

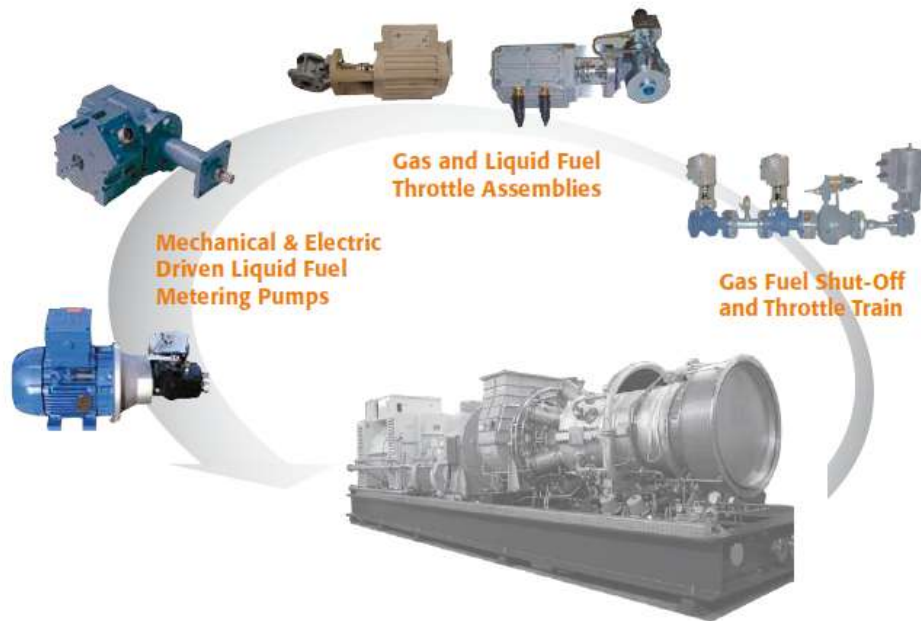


Solenoids for

- ✓ Injectors
- ✓ High-pressure pumps
- ✓ Gas valves
- ✓ Hydraulic valves

OLYMPUS

Gas Turbine Controls and Services



- ✓ Innovative controls
- ✓ Retrofit, upgrade, service and components
- ✓ Any size, type or make of gas turbine

OLYMPUS

Steam Turbine Controls



- ✓ Common approach for any size, make and application of machine
- ✓ Speed and load control
- ✓ Isochronous speed control
- ✓ Extraction pressure control
- ✓ Boiler header and/or intermediate and/or exhaust control

Data Process Products

Data Process is member of the HEINZMANN Group



Complete marine solutions
Alarm, monitoring & control
Speed control systems
Power management

CONTROL & MONITORING



Merchant marine
Navy services

ENGINEERING SERVICES



On call service
Maintenance

OVERHAULS & REPAIR

HYPERION

HEINZMANN Hybrid Drives for On- and Off Highway Applications



Integrated motor generator (IMG) for different internal combustion engines

Increased

- ✓ Efficiency
- ✓ Dynamics
- ✓ Performance
- ✓ Torque
- ✓ Productivity

Reduced

- ✓ Fuel consumption
- ✓ Pollutant emissions
- ✓ Noise output
- ✓ Exhaust gas aftertreatment system

Mild, full or serial hybrid, integrated generator for power-network



Application Overview

- ✓ Diesel engines
- ✓ Gas engines
- ✓ Dual fuel
- ✓ Gas turbines
- ✓ Steam turbines
- ✓ Generators
- ✓ Rail
- ✓ Marine
- ✓ On- and off-road vehicles
- ✓ Military applications





Engine & Turbine Management

