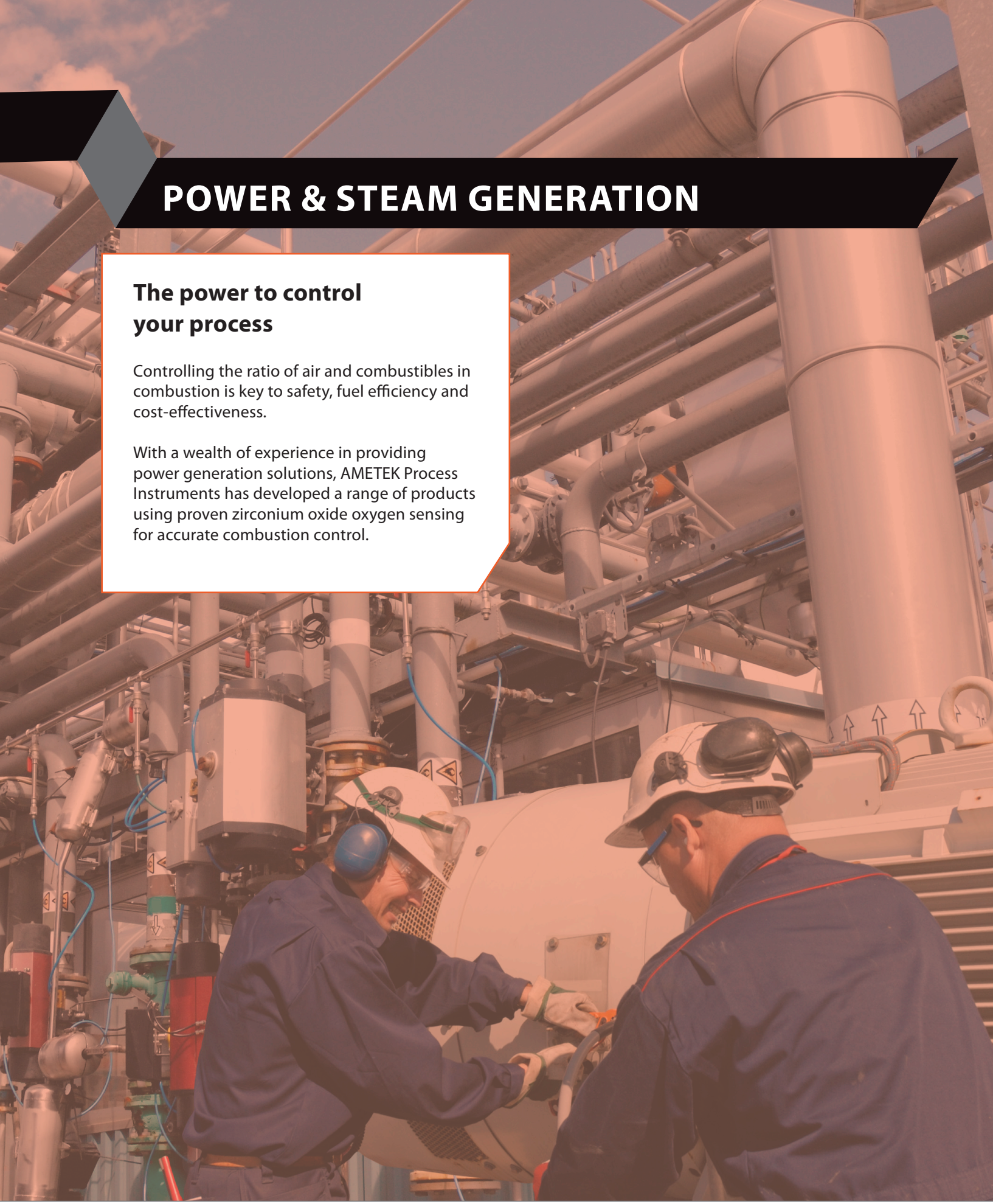
POWER & STEAM GENERATION

The power to control your process

Controlling the ratio of air and combustibles in combustion is key to safety, fuel efficiency and cost-effectiveness.

With a wealth of experience in providing power generation solutions, AMETEK Process Instruments has developed a range of products using proven zirconium oxide oxygen sensing for accurate combustion control.



To find out more or request a quote, visit our website today

WDG-V Blowback

MEASURES: O_2, Combustibles, CH_4

RANGE
O_2: From 0-1% to 0-100%
Combustibles: 0-1000 ppmv with overrange 0-2,000 ppmv to 0-10,000 ppmv, 0-2 to 0-5%
Hydrocarbon: 0-5%

ACCURACY
O_2: ±0.75% of measured value or ±0.05%, whichever is greater
Combustibles: ±2% of full scale output range
Hydrocarbon: ±5% of full scale output range

PROCESS
Coal Fired Boilers, High Particulate/Dusty Processes

APPLICATION
Combustion Control for Boilers

TECHNOLOGY: ZrO_2, Catalytic Sensor

WDG Insitu

MEASURES: O_2

RANGE
From 0-1% to 0-100% O_2

ACCURACY
±1% of measured value or ±0.05%, whichever is greater

PROCESS
Power and Steam Boilers, Recovery Boilers

APPLICATION
Oxygen Monitoring in Boilers, Stratification

TECHNOLOGY: ZrO_2

WDG 1200/1210 Insitu

MEASURES: O_2

RANGE
0-1% up to 0-25% v/v O_2

ACCURACY
Accuracy: ±1% of measured value or ±0.05%, whichever is greater

PROCESS
Power and Steam Boilers

APPLICATION
Oxygen Monitoring in Boilers

TECHNOLOGY: ZrO_2

WDG-HPII

MEASURES: O_2, Combustibles

RANGE
O_2: from 0-1% to 0-100%
Combustibles: from 0-2,000 ppmv to 0-10,000 ppmv or from 0-1% to 0-5%

ACCURACY
O_2: ±0.75% of measured value or ±0.05%, whichever is greater
Combustibles: ±2% of full scale output range

PROCESS
Coal Fired Boilers, Waste Wood Boilers, Biofuel Boilers, Recovery Boilers, High Particulate/Dusty Processes

APPLICATION
Combustion Control

TECHNOLOGY: ZrO_2, Catalytic Sensor

POWER & STEAM GENERATION

WDG-V

MEASURES: O_2, Combustibles, CH_4

RANGE
O_2: From 0-1% to 0-100%
Combustibles: 0-1000 ppmv with overrange 0-2,000 ppmv to 0-10,000 ppmv, 0-2 to 0-5%
Hydrocarbon: 0-5%

ACCURACY
O_2: ±0.75% of measured value or ±0.05%, whichever is greater
Combustibles: ±2% of full scale output range
Hydrocarbon: ±5% of full scale output range

PROCESS
Power and Steam Boilers

APPLICATION
Combustion Control

TECHNOLOGY: ZrO_2, Catalytic Sensor

5100HD

MEASURES: CO, CH_4, O_2

RANGE
ppmv to % level, application dependent

ACCURACY
CH_4 and CO: ±2% of reading
O_2: ±0.2%

PROCESS
Combustion

APPLICATION
Safety and Operational Efficiency Monitoring

TECHNOLOGY: TDLAS

3050-OLV

MEASURES: H_2O

RANGE
0.1 to 2,500 ppmv
Readout capability in ppmw, lb/mmscf, mg/Nm³, and dew point temperature in °C or °F (requires process pressure as an input)

ACCURACY
±0.1 ppmv or ±10% of reading, whichever is greater

PROCESS
Hydrogen Cooled Electric Generators

APPLICATION
Moisture Control

TECHNOLOGY: QCM

To find out more or request a quote, visit our website today