



Analyze It

Analyze **Us**

Emerson Process Management™ is the world's premier supplier of combustion analysis, process analysis and emissions monitoring solutions. With over 80 years of experience, we go way beyond simple data collection and offer **provable** analytical solutions, advanced Rosemount Analytical® instrumentation and the professionals who really know how to keep you up and running. Efficiently. Safely. Economically.



Emerson Process Management is part of Emerson, a global company that brings together technology and engineering to provide innovative solutions for our customers in a wide range of industrial, commercial, and consumer markets. Our priority is to design, produce and deliver products, systems, and solutions that make people's lives better.



Prove It

Analyze **& Optimize**

For true process optimization, manual sampling and computer-based models just won't do – you need direct, in-line, in-process measurements. With our world-class Rosemount Analytical instruments, you can:

- > Reduce energy, installation and maintenance costs.
- > Lower process variability and improve process diagnostics and safety.
- > Enhance product quality and increase throughput.
- > Meet or exceed regulatory requirements.

And our global presence enables us to optimize your process and service your installation virtually anywhere in the world.



Analyze **PlantWeb**[®]



With PlantWeb digital plant architecture, Emerson delivers what everyone else has missed: proof. Across all industries, we're proving that PlantWeb can increase overall plant efficiency by 2% or more. So you operate more cost-effectively, even as its network of predictive intelligence lets you work more safely by detecting problems before they happen.

Emerson is delivering the ultimate promise of automation: solid quantifiable proof and accurate predictable results. And only we can say that. See the results for yourself at PlantWeb.com/RunSafe



Analyze **Better**

Recent studies show that plants producing \$500 million in annual revenue give away an estimated \$5 to \$10 million because of poorly performing devices and systems.

With Emerson you get true, provable plant optimization for a real financial and competitive advantage. From high-quality instrumentation with advanced diagnostics and lower life-cycle costs, to unparalleled applications expertise and award-winning service, we deliver whatever it takes, whatever the industry. Around the world, thousands of users see the results – and the advantages – every day.

Whether it's power utilities, pulp and paper, chemical and petrochemical, pharmaceutical, oil and gas refining or food and beverage industries, you'll find Emerson everywhere sophisticated analytical systems and specialists are needed to optimize performance, productivity and profitability. When you bring your problem to Emerson, consider it solved!



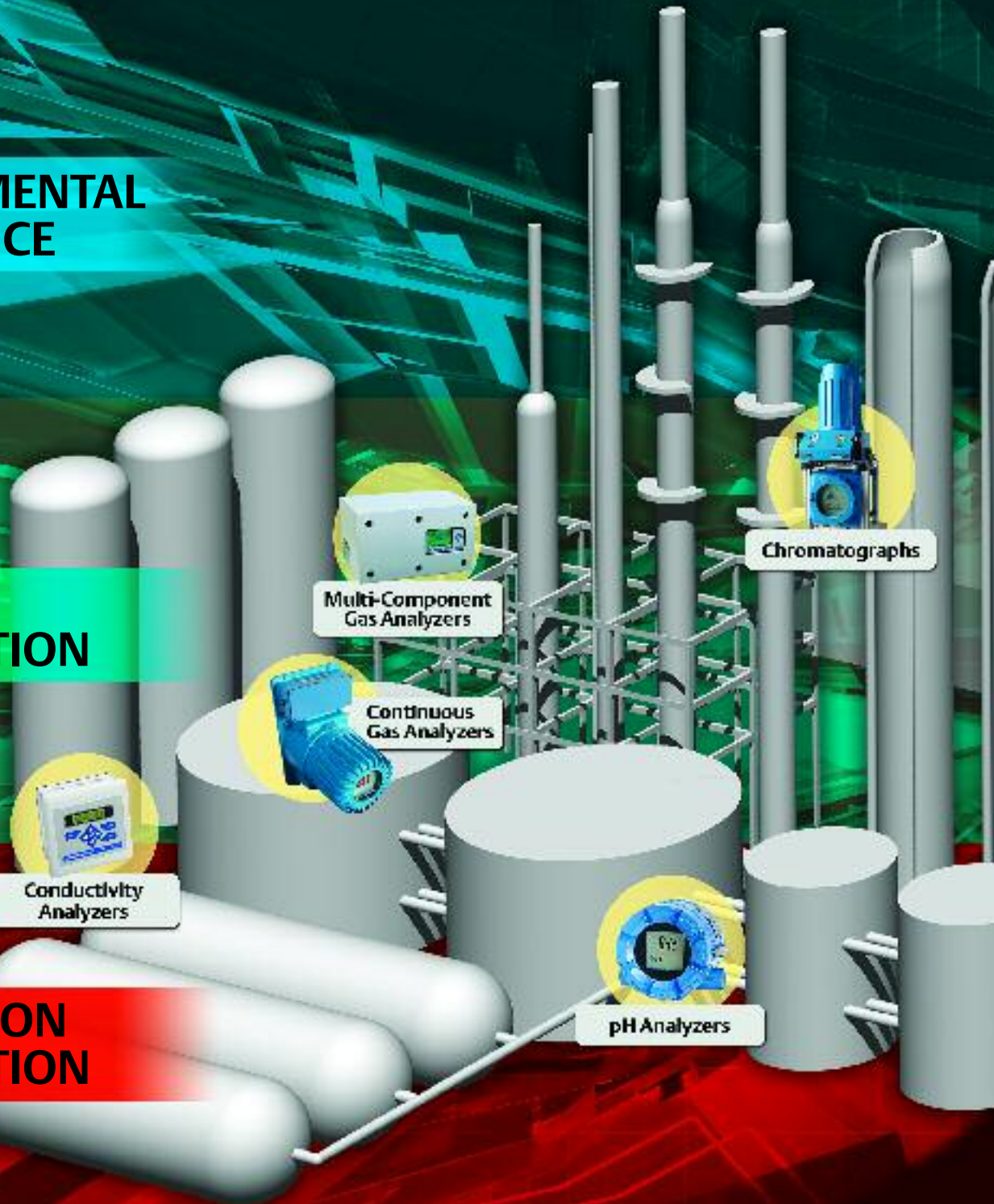
ROSEMOUNT[®]
Analytical


EMERSON[™]
Process Management

> ENVIRONMENTAL COMPLIANCE

> PROCESS OPTIMIZATION

> COMBUSTION OPTIMIZATION



Conductivity Analyzers

Multi-Component Gas Analyzers

Continuous Gas Analyzers

pH Analyzers

Chromatographs

Proven Analysis. Proven Results.

Innovative Analytical Solutions



Chromatographs



Trace Dissolved O₂ (ppb) Analyzers



Conductivity Sensors



Multi-Component Gas Analyzers

Emissions Monitors



O₂ Transmitters



Chromatographs



High-Temperature O₂ Transmitters



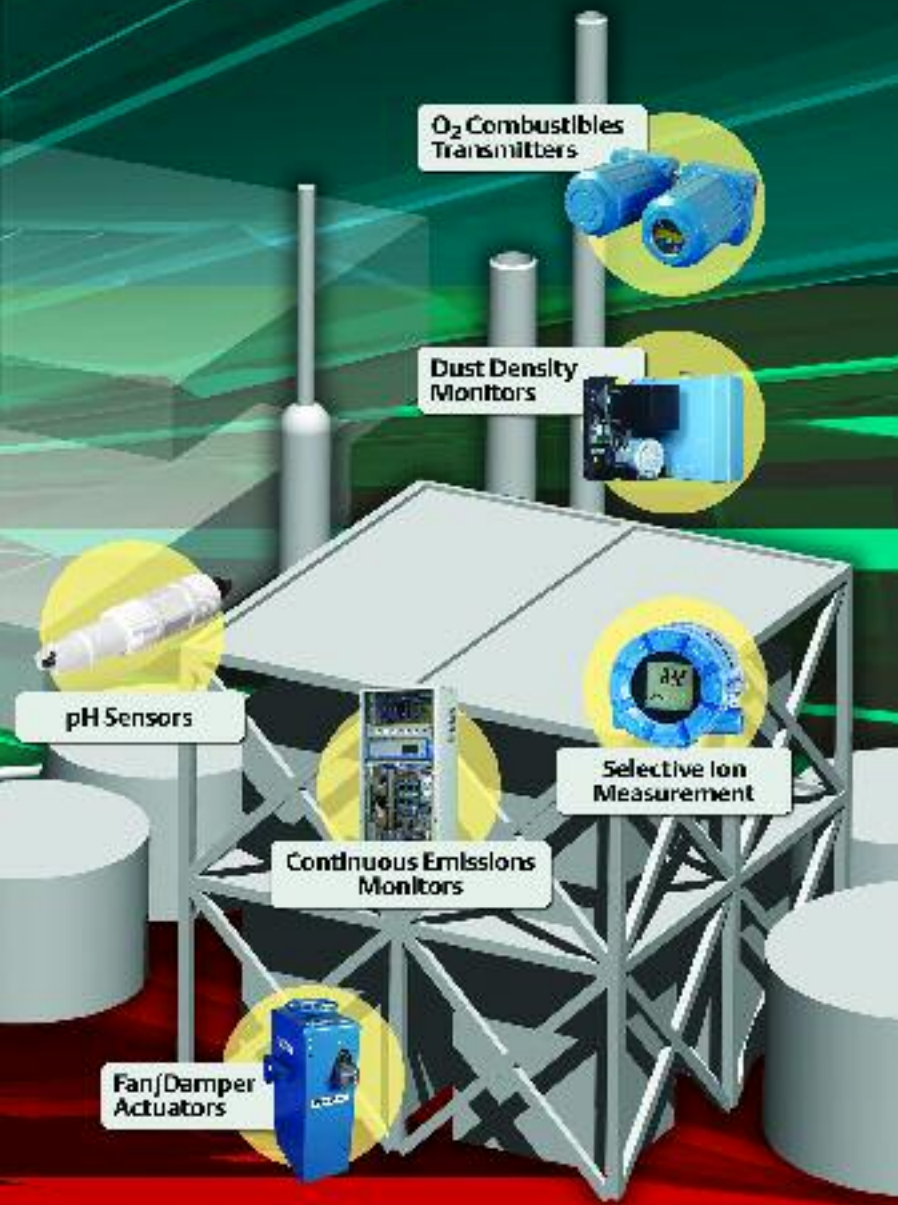
High Purity Water pH & Conductivity Analyzers



Turbidity Analyzers



> ROI > PLANTWEB > SYSTEMS
> SERVICE > EXPERIENCE > SAFETY



> INNOVATIVE SOLUTIONS

We deliver plant-wide optimization by providing on-line analysis for direct measurements of flue gas by-products and/or process constituents. This real-time information on combustion efficiency or product quality gives you the ultimate level of control over your process to help you maximize process performance, productivity and profitability. Our solutions provide much more than data; they help:

- > Increase product throughput & improve product quality
- > Reduce process variability
- > Reduce installation and maintenance costs
- > Meet regulatory requirements

> ENVIRONMENTAL ANALYSIS & SYSTEMS

to meet regulation requirements

- > Continuous emissions monitoring systems
- > Field mountable analyzer packages
- > Opacity monitors
- > pH and conductivity measurement
- > Turbidity and dissolved O₂ measurement
- > Chemiluminescence for NO_x

> PROCESS ANALYSIS & OPTIMIZATION

for a variety of constituents in almost any industry for plant optimization

- > Speciated hydrocarbon analysis via gas chromatography
- > Non-dispersive infrared analyzers
- > Paramagnetic analyzers for extractive O₂ measurement
- > Flame ionization detectors for hydrocarbon processing
- > Thermal conductivity for hydrogen purity
- > High purity water pH & conductivity analysis
- > Selective ion measurement

> COMBUSTION ANALYSIS & OPTIMIZATION

for increased energy efficiency

- > In-situ O₂ analyzers
- > High temperature O₂ analyzers
- > O₂/combustibles analyzers
- > Damper and air vane inlet actuators
- > BTU measurement
- > Cooling tower and boiler feedwater analysis

See for yourself – call your Emerson representative, or call 330.682.9010. See us on the web at www.raihome.com. Proven analysis with proven results – consider it solved.

ROSEMOUNT
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