



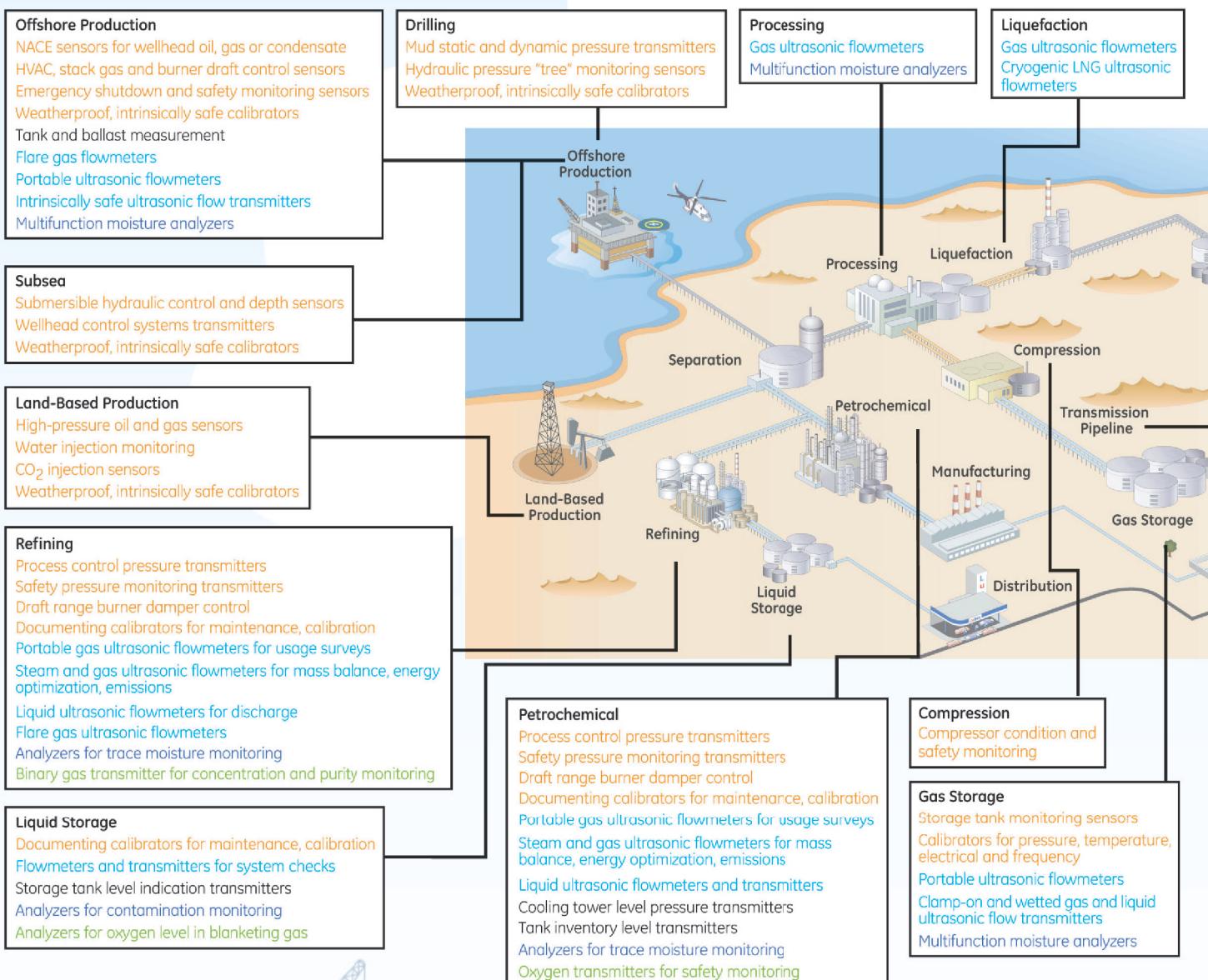
fuel  
your  
profitability

oil and gas measurement solutions



# A global resource for your oil and gas measurement needs

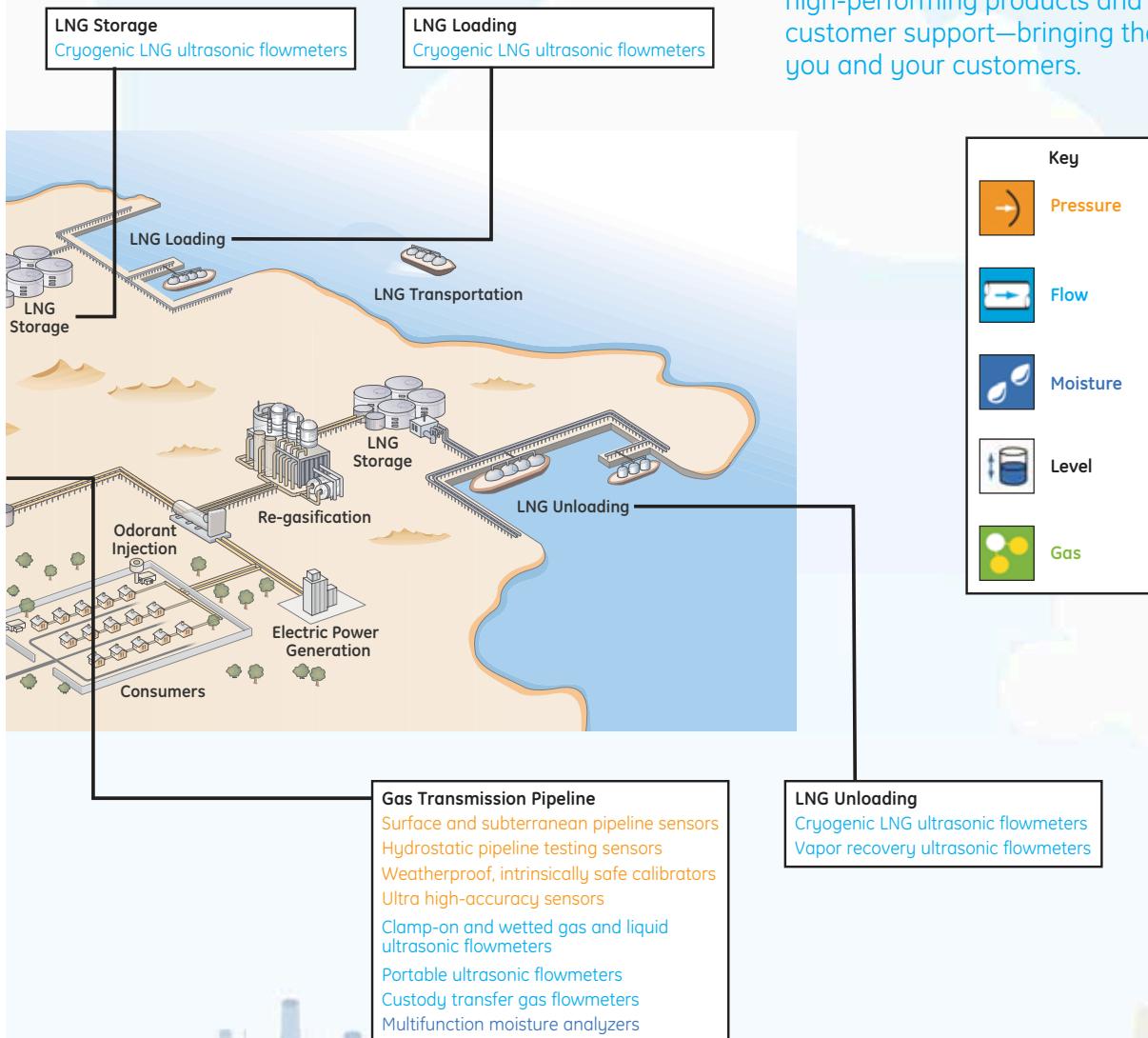
Onshore and offshore production  
Natural gas and LNG processing  
Gas and liquids transmission  
Refining and petrochemical operations



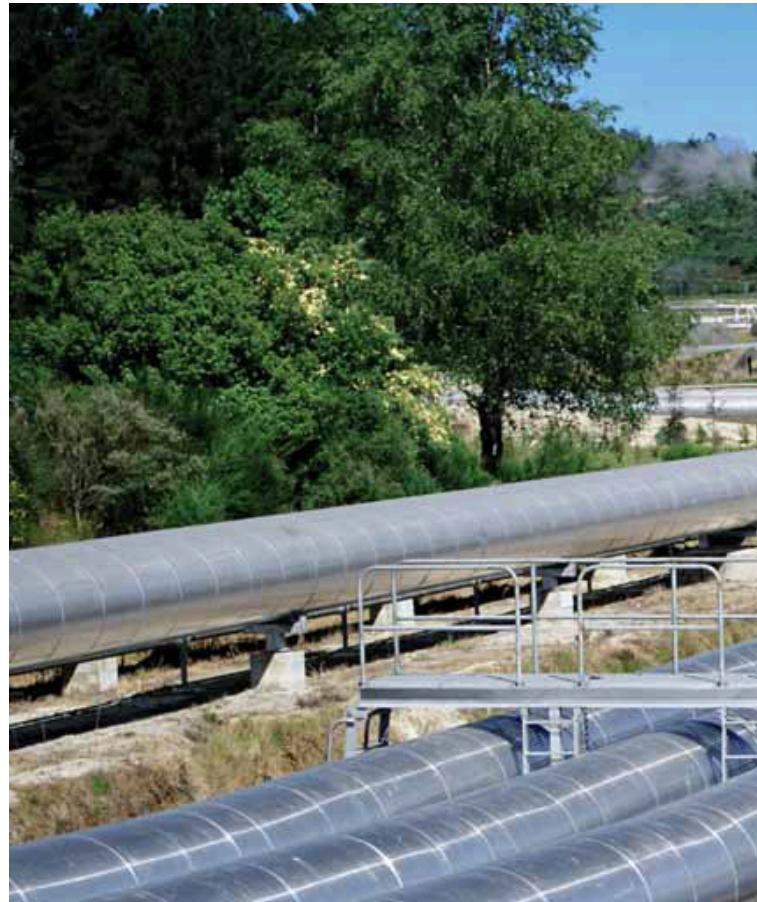
Whether your process is up, mid or downstream, GE understands that an integrated equipment and expertise solution can help give you a competitive advantage.

We'll work with you to analyze your unique requirements and provide answers to your technical and business problems. We have the people, the technology and the experience to help you optimize performance, conserve resources and exceed regulations.

Consider us your global partner for all your oil and gas measurement needs. We'll deliver low-risk solutions, innovative and high-performing products and the finest customer support—bringing the best results to you and your customers.



# Flow Pressure Level Gas Analysis Moisture and Humidity Test and Calibration



## Natural Gas Flow

The Panametrics Sentinel™ ultrasonic flowmeter measures natural gas fed to production liquefaction trains, re-gasified LNG at receiving terminals or any natural gas flow needing high accuracy.

A multi-path flowmeter that meets AGA 9 criteria, the Sentinel is perfect for custody transfer natural gas measurements in transmission and storage.

## Cryogenic Liquid Flow

Measuring LNG flow requires robust components that operate reliably and continuously at cryogenic temperatures. The Panametrics Bundle Waveguide Technology™ (BWT™) ultrasonic flowmeter system measures the cryogenic flow of LNG in large pipes as LNG is transferred from liquefaction trains into storage tanks and ships at production plants, and at receiving terminals during ship unloading and transfer between storage tanks.

## Flare Gas Flow

Flaring of unwanted hydrocarbon gas makes flare gas flow metering increasingly important in both offshore and land-based operations relative to emissions trading.

The Panametrics line of corrosion-resistant flare gas ultrasonic flowmeters aids in mass balance and regulatory compliance. These flowmeters have a high turndown ratio and capability to measure in unsteady and pulsating flow of changing composition, providing solutions for harsh environments.





#### Pressure

The harsh oil and gas environment demands rugged, accurate and cost-effective pressure measurement. A full range of high-performance Druck pressure transmitters fits the bill for offshore and land-based oil and gas production and exploration, drilling, subsea and distribution applications.

The RTX 1000H pressure transmitter offers extremely high accuracy and rangeability for the widest range of gauge and absolute pressure applications. Its best-in-class performance means the ultimate in process efficiency for you.

#### Moisture

Dehydration is critical in gas processing. General Eastern and Panametrics hygrometers are industry standards for critical moisture measurements that maximize your yield and efficiency and protect your assets.

Superior sensor technology in loop-powered DewPro® dew point transmitters delivers quick response and long calibration stability. The intrinsically safe PM880 portable hygrometer is perfect for field use, while Moisture Image™ Series analyzers deliver top-of-the-line measurement capability.

#### Test and Calibration

Druck and Ruska devices handle a range of calibrations from downhole pressure sensors to the validation of differential pressure transmitters used in custody transfer and fiscal metering applications.

A wide range of products includes primary and secondary standards for calibrating gauges, transmitters, transducers and switches; documenting calibrators; hand-held pressure, temperature, electrical and frequency instruments; and test tools that increase your productivity and reduce your costs.



# Measuring what matters most for up, mid and downstream operations

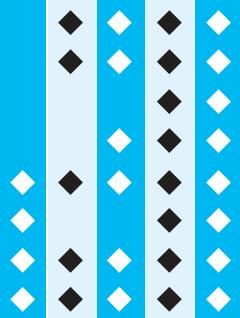
## Drilling and control

### Emissions monitoring

#### Natural gas and liquefied natural gas

#### Refining and petrochemical production

#### Storage and distribution



- Flow in gases using ultrasonic transit-time
- Flow in liquids using ultrasonic transit-time
- Gas analysis for safety and storage
- Moisture analysis for processing and transmission
- Pressure and differential pressure
- Level in tanks and towers
- Test and calibration products
- Services



### Services

Optimize your sensing investment with a call to our highly trained service professionals who can respond at your site. Or if you prefer, send your device to one of our Centers of Excellence for superior mail-in and calibration services.

We provide specific services for the oil and gas industries such as flowmeter calibration and preventative maintenance, and level sensor and pressure calibrations. To meet your peak demands or unexpected situations, we also offer short term rentals of ready-to-use systems. And our experienced GE instructors can customize a technology or product-specific training course for your technicians at our facilities or yours.



# About us

GE has united the technological innovation and experience of industry leaders in the design and manufacture of advanced sensing and measurement solutions into one world-class business—GE Sensing.

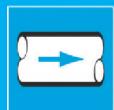
GE's sensing products measure temperature, pressure, liquid level, moisture and humidity, gas concentration, and flow rate for applications ranging from environmental, medical, and pharmaceutical to automotive, aerospace, chemical, and petrochemical.

From high-quality hand-held and portable field calibrators to stand-alone measurement instruments and systems, GE Sensing provides end-to-end solutions that can help you monitor, protect, and control your critical processes and applications.

Pressure



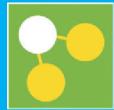
Flow



Temperature



Gas



Moisture



Humidity



Level



Electrical





[www.gesensing.com](http://www.gesensing.com)



imagination at work

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