

GE  
Sensing

# grow your profitability

water and wastewater measurement solutions

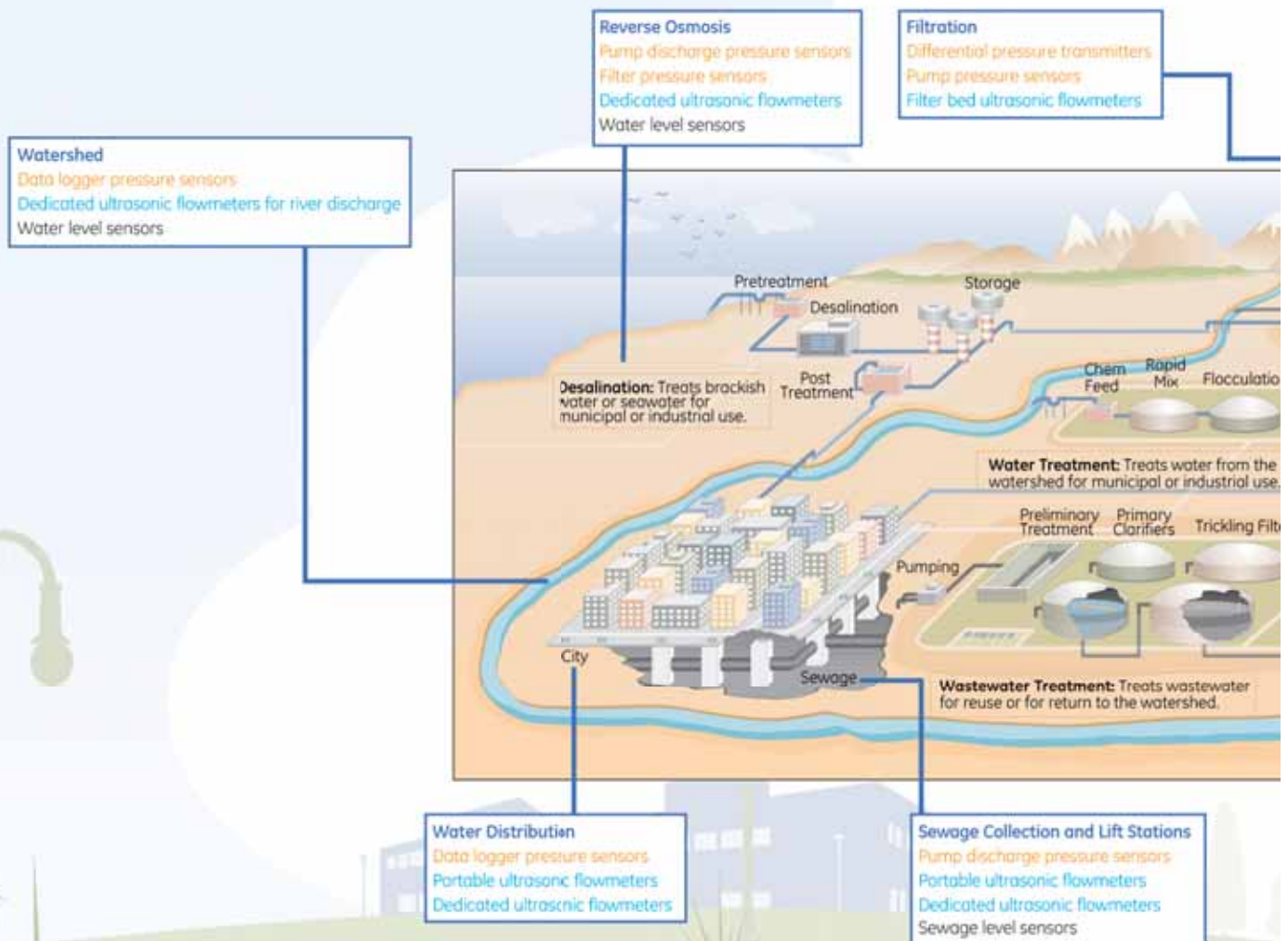


# A global resource for your water and wastewater needs

Treatment and distribution

Municipal and industrial

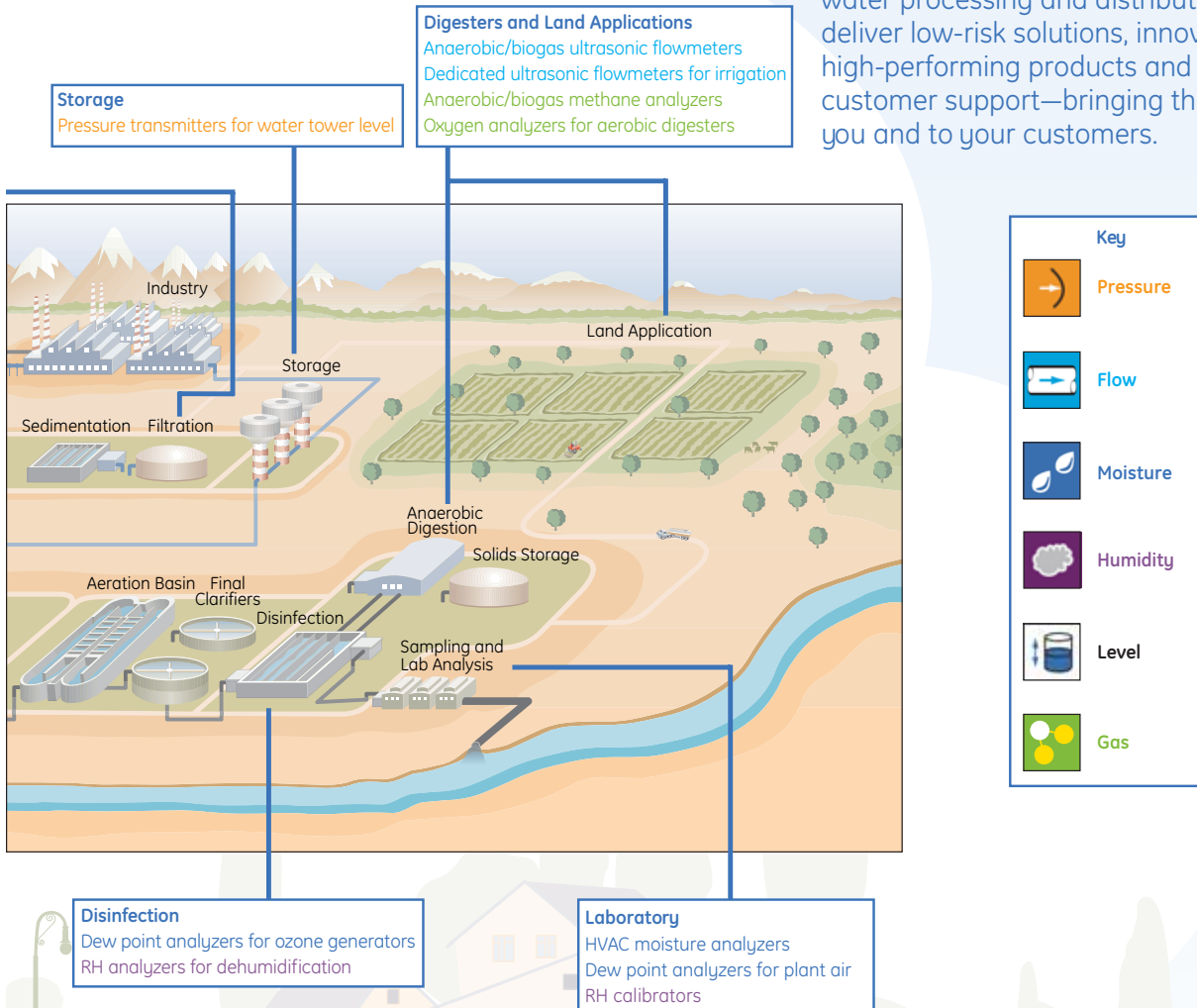
Watershed



Like you, GE recognizes that water is the world's most precious natural resource. Every drop counts—its quantity and quality and ultimately, for its effect on your bottom line.

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 water processing and distribution needs. We'll deliver low-risk solutions, innovative and high-performing products and the finest customer support—bringing the best results to you and to your customers.



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



## Flow

Panametrics AquaTrans™ ultrasonic flowmeters handle most of your water and water treatment flow applications with ease. Clamp them onto existing pipes without shutting down your process. With no moving parts to break or wear, these drift-free meters require virtually no maintenance, saving you money year after year.

The full-function TransPort® portable flowmeter fits into the palm of your hand. Its powerful features help you do surveys or check unreliable meters throughout your plant.



## Pressure

Your water and wastewater pressure applications require rugged sensor packaging and long-term, reliable performance.

Druck pressure sensors signal head loss across sand filters. A wide range of reliable and cost-effective 4 to 20 mA sensors measure pump inlet and outlet pressures. Reverse osmosis membrane protection is easy with the Druck line of pressure transmitters. And ultra low-cost sensors monitor OEM network data logger leak detection systems.



## Level

Druck level sensors combine advanced technology with high-integrity mechanical design for reliable, accurate and economical level measurement with maintenance-free performance. Our all-welded titanium sensors provide the lowest cost of ownership in the industry.

Druck level sensors make accurate ground and surface water measurements while slimline, top entry-mounted sensors detect debris screen blockage. For elevated water tanks or side-mounted installations, our transmitters deliver intrinsically safe, high-performance measurement. And for sewage lift station level, Druck transmitters provide long-term, maintenance-free performance.





#### Gas Analysis

Panametrics explosion-proof oxygen analyzers reliably monitor oxygen in the headspace above the digester. If your plant uses digester gases as fuel for its electric generators, you need this measurement for accurate, low-cost gas analysis. The Panametrics binary gas analyzer differentiates between methane and carbon dioxide to let you know when you may be running too lean.

With long-term calibration stability and no moving parts to require expensive maintenance, these Panametrics analyzers are cost-effective solutions to your gas analysis needs.

#### Moisture and Humidity

Our full range of General Eastern and Panametrics hygrometers gives you solutions for applications where moisture measurements are critical. Superior sensor technology in the loop-powered DewPro® series of dew point transmitters delivers quick response and long calibration stability.

The intrinsically safe PM880 portable hygrometer is perfect for field use, while the HumiTrac™ next generation relative humidity transmitter provides top-of-the-line measurement features for a wide variety of humidity monitoring applications.

#### Test and Calibration

Wastewater treatment plants are no place for uncertainty in your measurements. From primary standards to hand-held test tools, Druck and Ruska devices provide calibration solutions in the instrument shop and the plant.

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





## Measuring what matters most in the water cycle

## Watershed and water source applications

## Water treatment plants, municipal and industrial

## Water storage and distribution

## Wastewater treatment plants, municipal and industrial

## Reverse osmosis skids and applications

- |   |   |   |   |   |   |
|---|---|---|---|---|---|
| ◆ | ◆ | ◆ | ◆ | ◆ | Flow in gases using ultrasonic transit-time   |
| ◆ | ◆ | ◆ | ◆ | ◆ | Flow in liquids using ultrasonic transit-time |
| ◆ | ◆ | ◆ | ◆ | ◆ | Gas analysis for air and digester gases       |
| ◆ | ◆ | ◆ | ◆ | ◆ | Humidity, absolute and relative               |
| ◆ | ◆ | ◆ | ◆ | ◆ | Level in open channels and vessels            |
| ◆ | ◆ | ◆ | ◆ | ◆ | Pressure and differential pressure            |
| ◆ | ◆ | ◆ | ◆ | ◆ | 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 water industry 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





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imagination at work

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