

REVEAL INSIGHTS INTO NEW POSSIBILITIES

THE
FUTURE
IS
WHAT
WE
MAKE IT

—
Honeywell

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REVEAL INSIGHTS INTO NEW POSSIBILITIES

Honeywell is building a safer, smarter, more sustainable world. Leveraging our deep expertise in industrial IoT technologies, Honeywell gives utilities smarter insights, greater optimization and enhanced overall safety with service that can take your operations to new heights. You can think of our utility experts as an extension of your team who support you with installations, inspections, maintenance and upgrades whenever you need them. **#FUTURESHAPER**

EVOLVE YOUR BUSINESS MODEL

OUR MISSION

Honeywell solutions provide actionable insights to utilities by connecting assets, processes, people and things to harness the value of data across the energy enterprise. We provide solutions that measure, monitor and automate from edge to cloud. We're putting valuable, actionable data in the hands of utilities to better serve customers and enable utility operations to run more efficiently, reliably and cost-effectively.

Honeywell has the expertise to offer solutions across the utility value chain:

- Trusted brand
- Peace of mind
- Security
- Proven interoperability
- Ease of upgrades
- Energy efficiency
- Robust domain expertise



PUTTING OUR EXPERIENCE TO WORK FOR YOU

Our collective experience supporting utilities globally with end-to-end solutions allows us to apply the knowledge gained to help our customers solve their unique challenges.



Over 75 cities globally rely on our Smart City Suite of solutions



Over 150 million Honeywell meters are in homes around the world



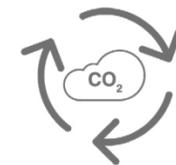
Over 1,000 utility customers use our solutions, devices and services



We have more than **20 years of cybersecurity experience** in generation, transmission and distribution



Our Smart Energy team refurbishes **nearly 200,000 American meters** per year



Our Carbon Capture projects have an installed **capacity of more than 40 million tons**

CHALLENGES FACING UTILITY COMPANIES

Utilities encounter hurdles as they work to meet emerging demands while also digitalizing their operations.



PUSH FOR GRID MODERNIZATION

As more renewable energy sources are tied to the grid, increased power generation points and types complete the power grid with stronger operability.

BALANCING SUPPLY AND DEMAND

Significant shifts from human-controlled power generation (hydro, oil, coal or gas) to weather-controlled power generation (solar and wind) create more variables in forecasting supply and demand models.

USE OF DIVERSE POWER SOURCES

As consumers use more electricity than ever before, utilities need to have diverse power sources to keep up with the demands.

FEDERALLY REGULATED ACTIVITIES FOR UTILITIES

Energy providers must balance supply and demand with global mandates to reduce carbon emissions and satisfy the growing demand for renewable energy sources.

HIGH OPERATIONAL COSTS

65% of utility providers say that upgrading their infrastructure is the most pressing problem they face during the utility transformation and that many have not implemented a predictive, risk-based asset maintenance program within the last few years.¹

1. IFS & Zpryme Study

THE FULL POTENTIAL OF YOUR DATA

Powered by Honeywell Forge and where data, analytics, connectivity and the cloud come together.

Gain the confidence to manage your grid operations with a partner that knows you—all the way from edge to beyond the cloud.

ADDING VALUE ACROSS THE VALUE CHAIN

The changing utility landscape creates new challenges for resource-constrained utilities in every sector of the value chain. Our utility transformation portfolio is designed to support the entire value chain from generation to transmission to distribution, giving you access to the diverse resources and holistic thinking of a single source provider for all your needs. We can help you optimize your enterprise resources by working to increase information access, connectivity, productivity, safety and security.



GENERATION

We help our customers safely and sustainably convert energy into electricity using advanced processes and technologies.

- Clean Generation
- Traditional Generation
- Green Hydrogen
- Carbon Capture
- Battery Energy Storage System



TRANSMISSION

An important step in safely managing utilities, transmission occurs when electricity travels long distances at a high voltage rate from power plants to distribution sites or when natural gas travels by pipeline to customers or distributors.

- HV Transmission
- Gas Network
- Battery Energy Storage System



DISTRIBUTION

Honeywell's integrated energy distribution process can deliver accurate management and protection of electricity, gas and water utilities to effectively fulfill the energy needs of customers.

- Smart Cities
- Software Analytics
- Metering
- Green Hydrogen
- Battery Energy Storage System
- Service

INTELLIGENCE AT THE EDGE BY LEVERAGING DIGITAL EMERGENCE

ELECTRICITY

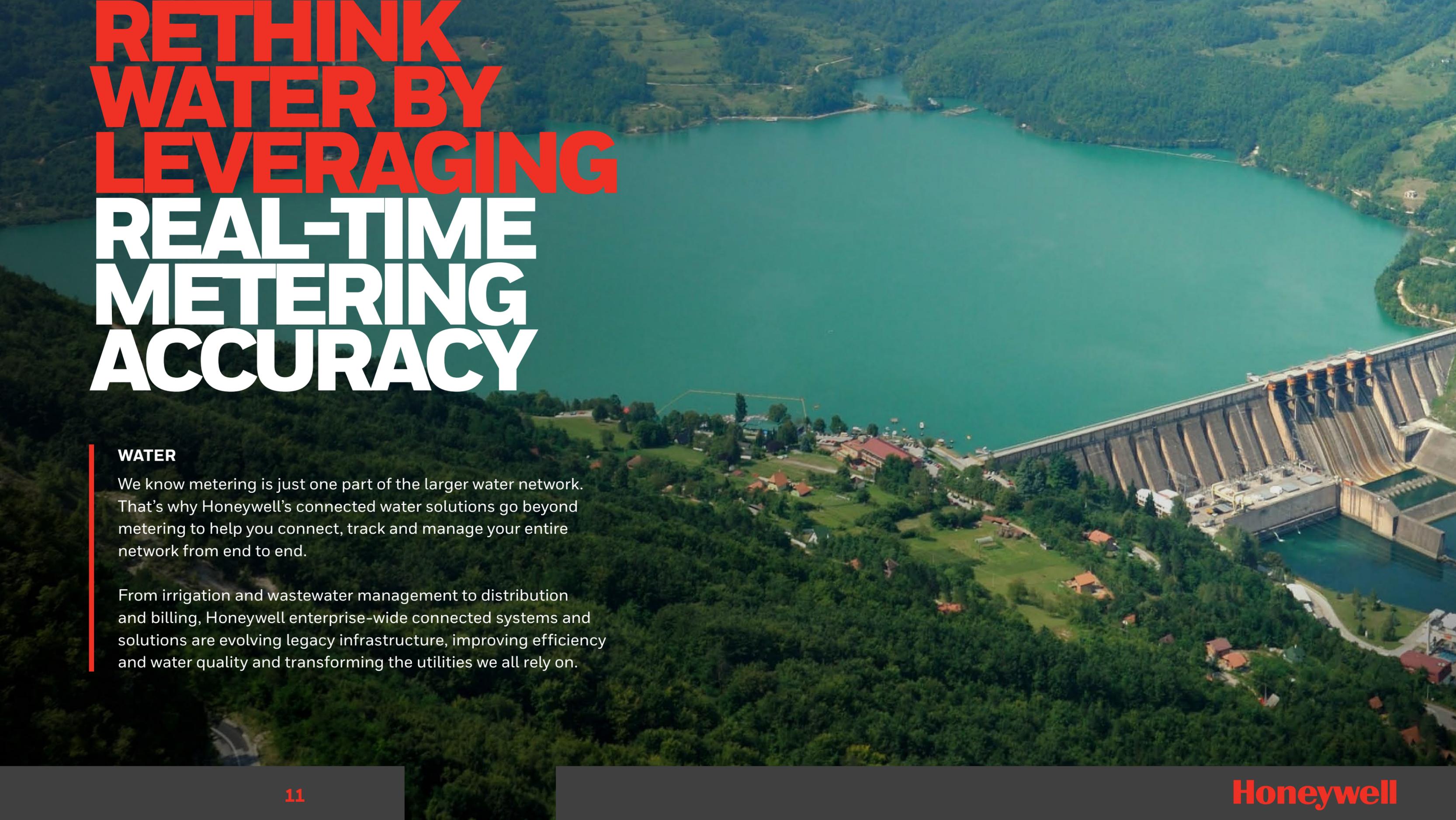
Electricity doesn't just power our lights anymore. With the ability to engage new consumer-side energy sources and multiple utility verticals into integrated systems, Honeywell is transforming grid digitization.

AVOID THE UNEXPECTED BY REDUCING UNCERTAINTY

GAS

Honeywell enterprise-wide gas systems and next-generation connected technologies and solutions help utilities boost operational efficiency and avoid the unexpected.

Learn how you can collect and analyze critical data, remotely monitor your assets and improve worker safety with Honeywell.



RETHINK WATER BY LEVERAGING REAL-TIME METERING ACCURACY

WATER

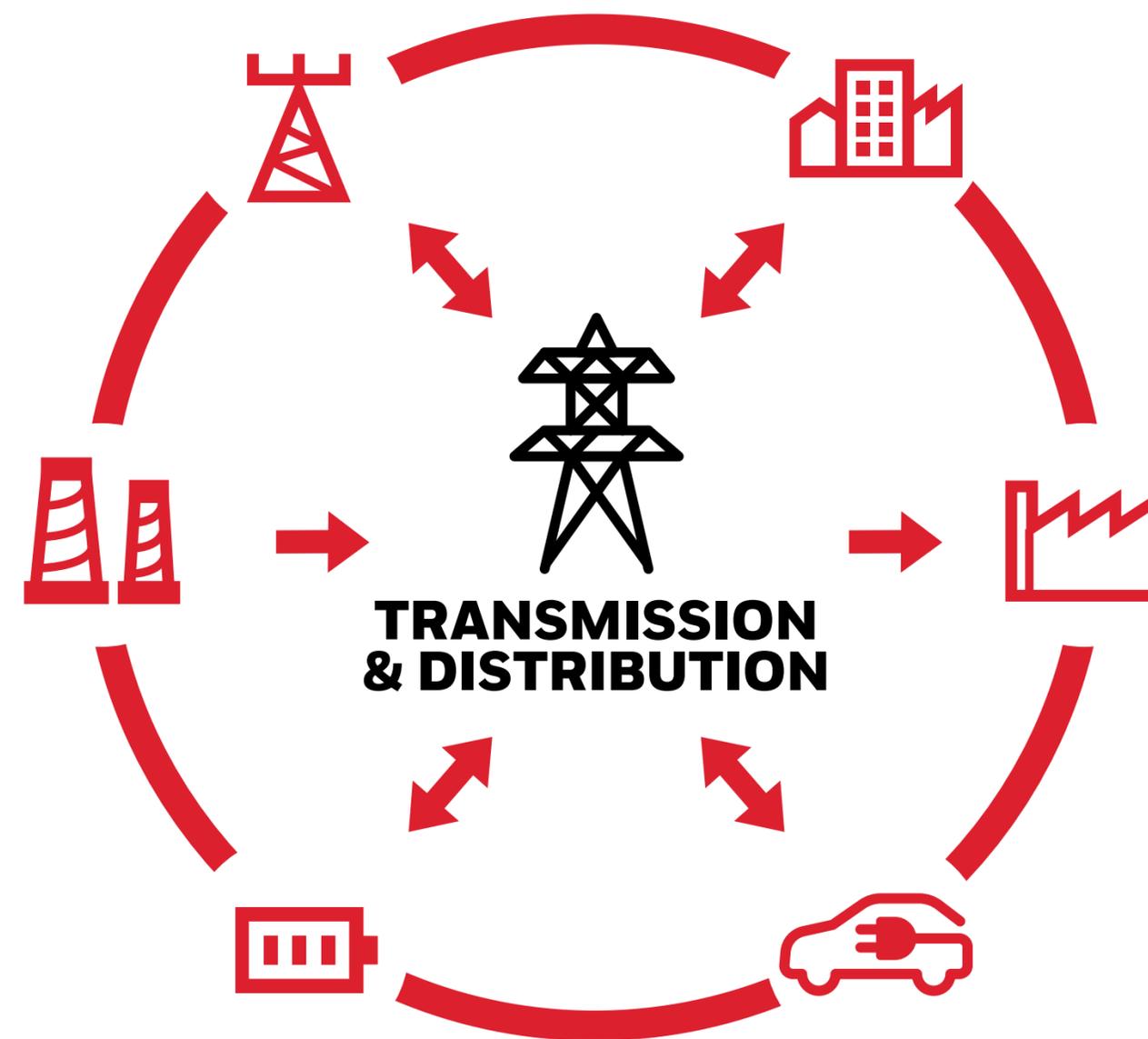
We know metering is just one part of the larger water network. That's why Honeywell's connected water solutions go beyond metering to help you connect, track and manage your entire network from end to end.

From irrigation and wastewater management to distribution and billing, Honeywell enterprise-wide connected systems and solutions are evolving legacy infrastructure, improving efficiency and water quality and transforming the utilities we all rely on.

TRANSFORM YOUR OPERATIONS

As the utility landscape changes, grid modernization and energy security are imperative. With an increased focus on the need to integrate, store and manage alternative sources of energy, we created a cellular-enabled solution for all metering needs and a Utility Digital Platform to support the entire utility value chain. As data and energy flow in different directions, our smart meters and connected platforms can manage distributed sources of energy in dispatchable loads.

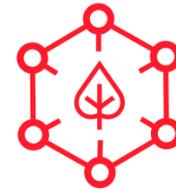
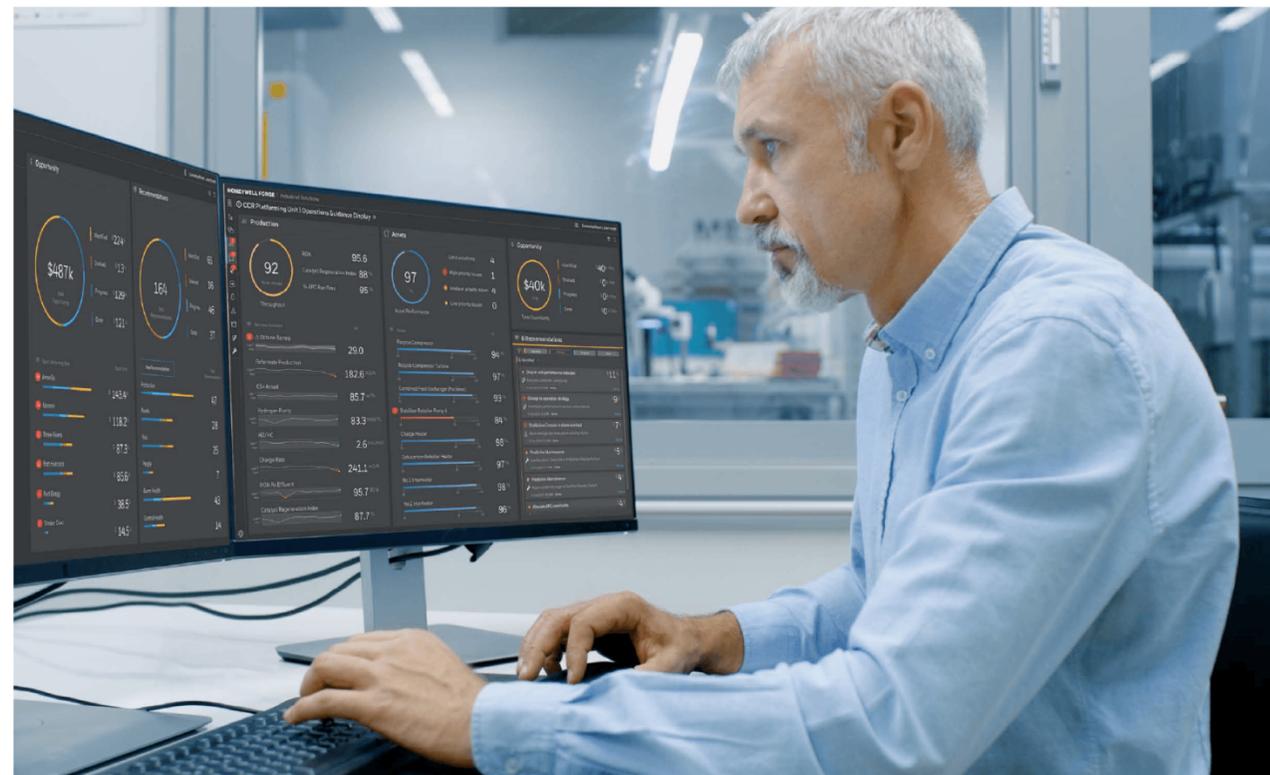
Transform the volatility of distributed generation into a grid asset through connectivity, coordination and balance by better utilizing legacy systems alongside new technologies and methods.



DELIVERING INNOVATION

Apply advanced data insights to improve operations.

We make it possible to leverage connected technologies across your enterprise to improve operations, drive efficiencies and create meaningful engagement with your customers.



EDGE

Connect and extract data from intelligent edge devices that measure, monitor and meter, as well as control and automate.



COMMUNICATIONS

Utilize networking technologies that allow for two-way delivery of information between the field-deployed smart device and the utility's back-office or cloud systems.



CLOUD

Connect and enable advanced insights into usage, operations and trends across homes, buildings and cities through secure data warehousing and analytics.



APPLICATIONS

Create an ecosystem of applications designed to work and improve operations. Applications can be located completely in the cloud, in the field-deployed smart device or both.

THE FUTURE IS HIDING IN YOUR DATA

Your operations are generating more data than ever, but does your data drive decisions and outcomes? Honeywell-connected utility solutions can help you make sense of it all.



WE CAN MEET YOUR EVOLVING NEEDS

We provide assistance so you can deliver safer, more resilient operations. With challenges like grid modernization and data security, our certified technicians can support you with installations, inspections, maintenance and upgrades to electricity, gas and water systems.

We're changing the status quo of utility services with solutions that are end-to-end:

- Line locating
- GIS surveying
- Wireless connectivity to any network
- Surveys and detection
- Meters exchange
- Leak detection
- Valve box inspection & cleanout
- Corrosion inspection



Take the next step toward an innovative future. From generation to transmission to distribution, it's time to overcome complexities and maximize possibilities.

**THE
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Discover what you can do with smart
insights and connected technologies.

pmt.honeywell.com/us/en/businesses/smart-energy

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