

# TURN MEASUREMENT INTO ARTISTRY

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The A4 Pro + Honeywell Forge  
Performance+ for Utilities

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**Honeywell**

# SIMPLIFY GRID MODERNIZATION

Grid modernization doesn't require a complete infrastructure overhaul. It requires smart meters and data analytics to optimize the performance of the infrastructure you already have.

The A4 Pro smart meter and Honeywell Forge Performance+ for Utilities turn precise measurement into actionable mastery across your entire distribution network. By combining advanced metering with unified analysis, we deliver what every utility needs to operate effectively in today's environment: actionable insights, resilience by design and tomorrow-ready infrastructure.

The grid is becoming more distributed, dynamic and demanding. The A4 Pro and Honeywell Forge Performance+ for Utilities give you the precision and intelligence to manage it effectively.

Ready to see how it works for your utility?



## ACTIONABLE INSIGHTS

Advanced grid analytics transform power quality and meter data into decisions you can act on immediately. Identify emerging stress points before they become problems. Make planning and operational decisions based on complete network visibility.



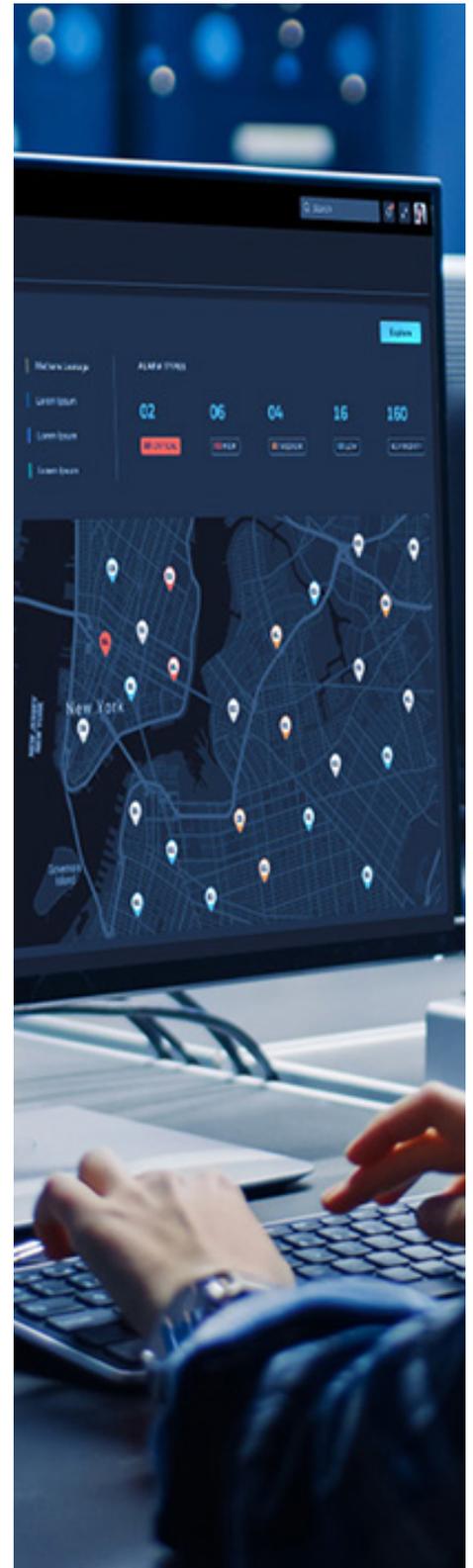
## RESILIENCE BY DESIGN

Unified data and analytics help prevent outages, manage peaks and accelerate recovery when issues occur. The platform continuously monitors grid health, enabling you to optimize operations and maintain stability even as demand patterns shift and complexity increases.



## TOMORROW READY

A modular, edge-enabled platform means your investment extends beyond today's requirements. Deploy new applications as needs evolve. Scale performance without replacing core infrastructure. The cloud-native architecture adapts through software updates, so your system grows more capable over time — not more obsolete.



## A PRACTICAL PATH FORWARD

The Alpha 4 Pro (A4 Pro) is the next evolution in Honeywell's AMI electric meter portfolio: built to support growing demands for today's grid and designed to help utilities modernize with confidence. A4 Pro fits seamlessly into existing operations while opening the door to smarter, more responsive grid management.

With advanced metering and edge-to-cloud connectivity, A4 Pro increases operational visibility, improves outage detection and restoration and strengthens safety through timely alerts. It's a practical foundation for utilities looking to move forward without disrupting what already works.

## PAIR WITH A CONNECTED PLATFORM

Honeywell Forge Performance+ for Utilities is our platform that connects tools designed for grid modernization, including the A4 Pro. Honeywell Forge combines digitalization, accessible data and holistic visualization to boost performance across utility operations. It's a system built to aggregate disparate data streams, analyze information and enable you to make better decisions faster.

With Honeywell Forge, the A4 Pro becomes part of an AI-driven solution aligned with AMI 2.0 standards. Honeywell Forge helps utilities:

- Store and secure large quantities of critical AMI data
- Perform proactive and predictive asset maintenance
- Access real-time insights for continuous business improvement
- Balance loads on distribution systems
- Organize and analyze standard data models

The A4 Pro powered by Honeywell Forge: a smart tool and digital platform connecting data, insight and action.

## ACTIONABLE INSIGHTS

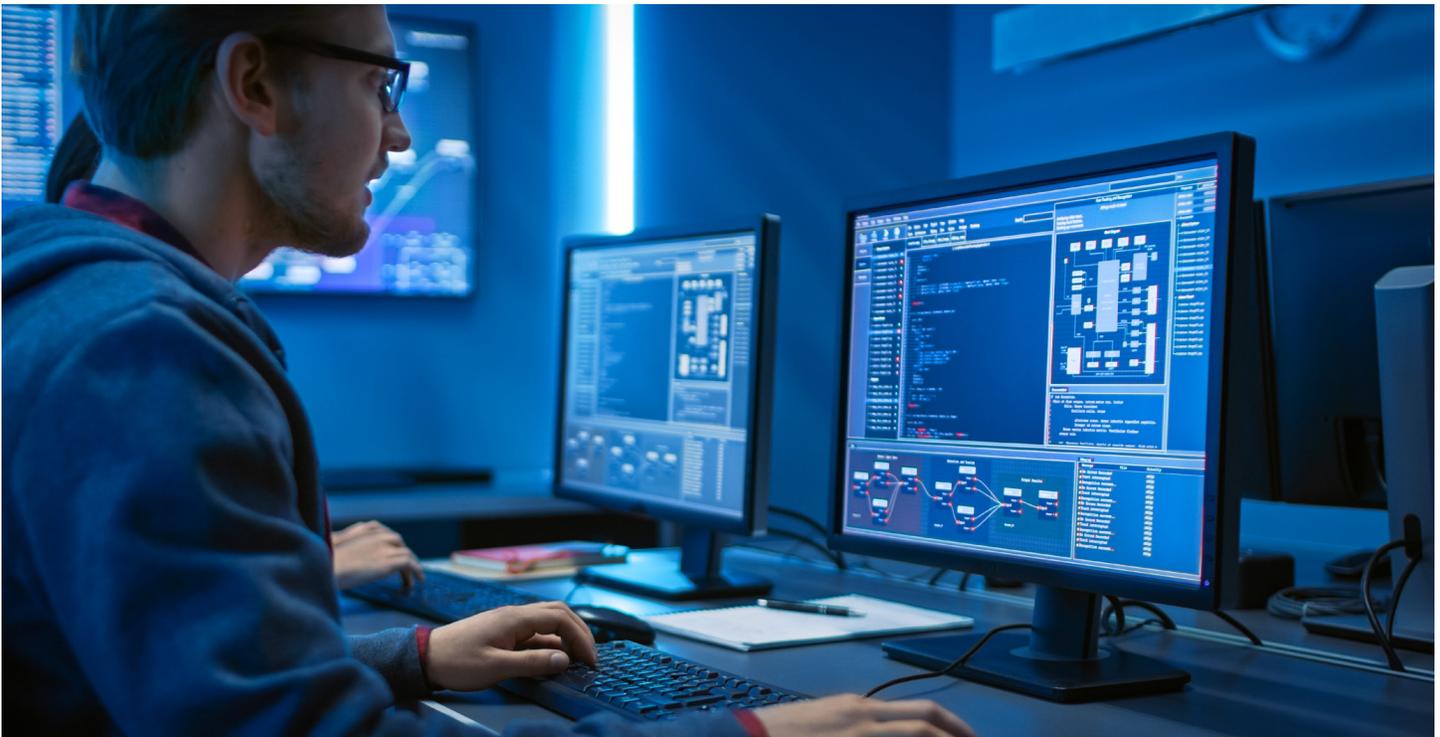
- Low/medium voltage network visibility
- Finance analytics (GridFin)
- Advanced forecasting

## RESILIENCE BY DESIGN

- Grid monitoring (GridScan)
- AMI View
- Voltage and power analytics

## TOMORROW READY

- Cloud-native platform
- Modular applications
- Cellular connectivity
- Edge computing capability



# A SMART METER PLATFORM

## | Why A4 Pro?

More than a meter, A4 Pro is a configurable platform designed to bridge IT intelligence and operational performance. It brings together data management and visualization, DER and asset management, and grid operations in a single, flexible solution. It's an upgrade that includes SynergyNet and Energy Axis LAN2 connectivity as well as an optional external antenna, Ethernet and Grid Edge compatibility.

The result is a smarter foundation that supports current operations while preparing utilities for what comes next.



### GRID INSIGHTS

- Provides visibility into EV and battery capacity management
- Enables transformer-to-load association mapping for clearer asset relationships



### SAFETY ALERTS

- Identifies and helps correct phase imbalances
- Detects energized downed conductors and high-impedance faults



### CONNECTIVITY IN CHALLENGING ENVIRONMENTS

- Offers external antenna and Ethernet options
- Maintains reliable communications in remote or signal-challenged locations



### GRID RELIABILITY

- Supports outage management, detection and restoration
- Streamlines dispatch and fault location
- Enhances outage response with real-time data and anomaly detection



### GRID STRESS AND CAPACITY CONSTRAINTS

- Supports demand response and DERMS integration
- Provides insights to help defer costly infrastructure upgrades



### CUSTOMER ENGAGEMENT

- Facilitates integration with customer devices
- Enables demand flexibility and supports energy-saving initiatives



### PROGRAM PARTICIPATION

- Delivers enhanced data reporting and operational transparency
- Supports evolving regulatory requirements across jurisdictions

# RESPOND TO A CHANGING GRID

Utilities are under growing pressure to modernize as the grid evolves – driven by rising expectations for resiliency, rapid integration of DERs, ambitious sustainability targets and an expanding cybersecurity threat landscape.

Meeting these demands requires solutions that are both adaptive and dependable.

## INCREASING DEMAND FOR GRID RESILIENCY

### Problem:

Extreme weather events, aging infrastructure and increasingly unpredictable load patterns are straining grid reliability. For smaller utilities, even a single outage can have outsized financial and reputational impacts. Meanwhile, larger utilities face regulatory penalties and declining customer trust when service is disrupted.

### A4 Pro Solution:

A4 Pro delivers real-time monitoring and predictive analytics at the edge of the grid. Advanced sensor capabilities help protect infrastructure and communities, while proactive monitoring supports adaptive responses to changing conditions.

### Outcome:

Utilities can shift from reactive to predictive operations that reduce downtime, accelerate outage response, strengthen customer confidence and avoid costly penalties.

## INTEGRATION OF DERs

### Problem:

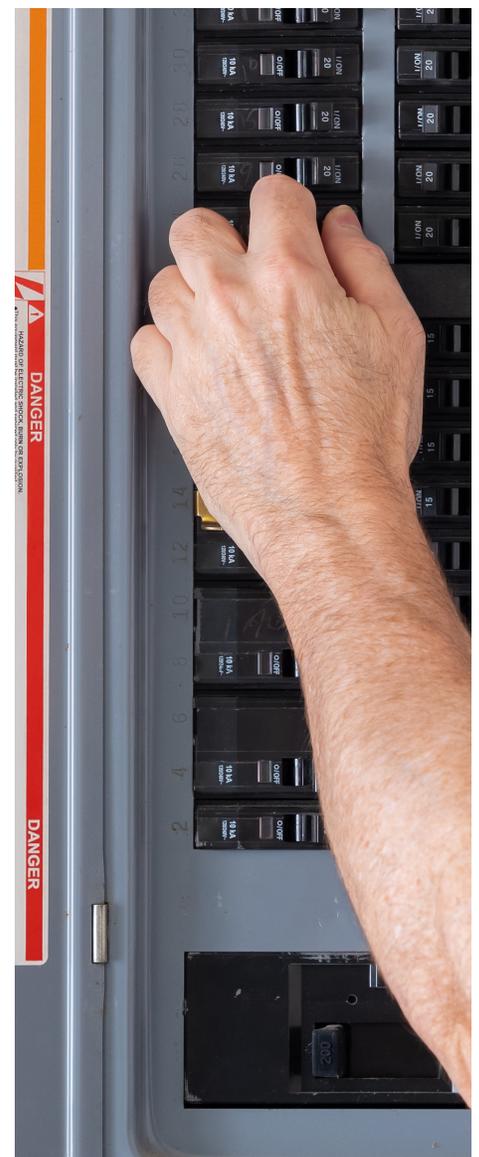
As customers adopt solar, wind, battery storage and EV charging, utilities must manage increasing complexity. Smaller utilities often lack visibility into DER impacts. Larger utilities face integration challenges at scale. Overall, traditional grid systems struggle with bidirectional energy flows and intermittent generation.

### A4 Pro Solution:

A4 Pro acts as a gatekeeper by providing awareness of distributed assets through advanced metering and secure edge-to-cloud connectivity. It deploys seamlessly across edge and cloud environments and serves as a secure data relay to NetSense, Honeywell's head-end system for centralized meter data management.

### Outcome:

Utilities gain the insight and flexibility needed to integrate DERs smoothly, optimize load balancing and accelerate grid modernization with interoperable solutions built for the future energy landscape.



## PRESSURE TO MEET SUSTAINABILITY TARGETS

### Problem:

Regulatory mandates and corporate commitments are raising expectations for measurable carbon reduction. Utilities must show real progress while continuing to deliver affordable, reliable service. Utilities often lack tools for accurate reporting and need scalable solutions that support enterprise-wide sustainability goals.

### A4 Pro Solution:

A4 Pro provides accurate, granular energy data that supports sustainability initiatives at the operational level. With deeper insight into energy usage and grid performance, utilities can optimize operations, reduce emissions and support more efficient energy programs while still capturing data needed for reporting and compliance.

### Outcome:

Utilities can track performance against key metrics, demonstrate compliance with confidence and clearly communicate progress to regulators, customers and stakeholders.

## RISING CYBERSECURITY THREATS

### Problem:

As grid operations become more digital and interconnected, exposure to cyber threats increases. A single breach can compromise customer data, disrupt critical operations and trigger regulatory consequences. Utilities must manage complex compliance requirements, though many lack adequate cybersecurity resources.

### A4 Pro Solution:

A4 Pro incorporates robust cybersecurity protocols designed to safeguard critical infrastructure and protect data across the network. Built-in security capabilities support secure communications and help utilities align with evolving regulatory and compliance expectations.

### Outcome:

Utilities of all sizes can operate with greater confidence, reducing risk, protecting customers and infrastructure and maintaining secure, resilient operations.





# A CORNERSTONE FOR BETTER GRIDS

A4 Pro gives utilities the intelligence, flexibility and confidence to respond to today's challenges while staying ready for what's next. Built on a proven foundation, this smart meter supports a more resilient grid, helping utilities move faster, operate more safely and adapt as energy demands continue to evolve.

## TAKE THE NEXT STEP

Modernizing the grid starts with the right foundation. Connect with a Honeywell expert to schedule a consultation or live demonstration — and see how A4 Pro can help move your grid forward with confidence.

### For more information

[automation.honeywell.com](https://automation.honeywell.com)

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## KEY BENEFITS

### REAL-TIME GRID INSIGHTS

Improve reliability and operational efficiency with actionable data that enhances visibility across grid operations.

### ENHANCED SAFETY

Receive real-time alerts that help protect infrastructure, reduce risk and prevent outages before they escalate.

### AGILITY AND INTELLIGENCE

Anticipate challenges, optimize performance and adapt quickly to changing energy demands with a flexible, intelligent platform.

THE  
FUTURE  
IS  
WHAT  
WE  
MAKE IT

**Honeywell**