Itron's Grid Edge Intelligence

Beyond the meter, ahead of the curve.

Grid edge intelligence (GEI) solutions help utilities address safety, reliability, resiliency, sustainability and customer goals by providing direct access to data and smarter analytics at the edge. This direct access provides more visibility and control than ever before—but all GEI solutions are not created equal.

For utilities, meter-to-cash automation is fundamental. Building on that foundation, utilities are now harnessing the power of powerful data analytics and control, faster communication and broader interoperability through the edge of the grid.

Did you know?

The estimated funding gap to modernize U.S. electricity infrastructure tops $197B. Resulting power outages could lead to **$637B in business losses**.

Source: American Society of Civil Engineers

Itron's Grid Edge Intelligence solutions deliver value to many stakeholders:

	Executive	Engineering & Ops	Community
Improve Reliability & Resilience	Reduce outages, improve SAIDI/MAIFI by +10%	Deliver proactive outage response, continuous improvement in safety	Stay ahead of storms with real-time outage notifications and shortened outage duration
Defer Capital Investments	Gain 20% more capacity through grid-edge optimization	Safely balance load while protecting assets	A safe and affordable grid, ready when and where you need power
Integrate DERMS	Gain confidence in flexible resources	Gain management capability of customer-flexible demand	Keep energy costs low, gain more control over energy consumption, support sustainability
Engage Customers	Improve J.D. Power scores	Expand offerings and value for C&I customers	Proactively manage your energy behavior & costs
Minimize Risks	Mitigate business safety, andminimize investment risks with future-proof solutions	Enhance emergency grid response	Trust that your utility is investing in safe, proven, customer-focused technology

Did you know?

Itron's DI technology delivers **~$75 in total annual value** per customer while addressing utilities' most pressing operational needs.

Source: Accenture (varies by utility)

Distributed intelligence (DI)-based solutions are a proven investment in a smarter energy future. Unlike traditional systems and infrastructure, Itron's grid edge intelligence solutions and endpoints can be updated and enhanced over time, delivering ongoing improvements without costly system replacements. This means utilities can respond faster to customer needs and evolving grid demands—while increasing the value of their existing investments and future-proofing the grid.

Not All Grid Edge Intelligence Solutions Are Created Equal. . .

Itron invented distributed intelligence–a key differentiator in the energy industry. We continue to partner with our customers in defining and deploying grid edge intelligence solutions that are becoming industry standards.

Feature	Itron DI Platform	Other Grid Edge Vendors
Edge computing	✔ Yes	✔ Yes
Real-time DER coordination	✔ Yes	● Limited/none
Real-time customer engagement	✔ Yes (high-frequency data)	● Limited/none
Turnkey third-party application support	✔ Yes (50+ DI-qualified partners)	● Ad hoc
Field-proven at scale	✔ Yes (19.4M+ DI endpoints shipped)	● Limited deployments
Standards-based/open platform	✔ Yes (e.g., DLMS, 2030.5)	● Limited
Cost-efficient, over-the-air app installations & updates	✔ Yes	✔ Yes
Multi-transport networking	✔ Yes	✔ Yes
Multi-app endpoint support	✔ Yes (simultaneous apps)	✔ Yes
Low-latency outage detection & response	✔ Yes (at the meter)	✘ Centralized, slower
Future-ready investment	✔ Yes (built to evolve)	● Limited

"We selected Itron due to our long-standing partnership, their transformative and open network, powerful meters, extensive smart cities ecosystem, innovative partner program and trusted managed services."

— Tampa Electric Company

Are you ready to take your next step in grid modernization?

We're ready to meet you along your journey:

» Contact your Itron sales representative.

» Schedule an in-person workshop and grid edge intelligence demo.

» Work with our team to calculate your specific Grid Edge Intelligence business case and value.

» Hear Itron's GEI customer testimonials.

» Learn what GEI solutions you can use today.

To learn more visit itron.com

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