WELCOME TO THE NEW NEIGHBORHOOD

Grid Edge Intelligence Portfolio. Enabled by distributed intelligence with real-time data analytics, Itron solutions provide greater visibility from the substation fence all the way out to (and even behind) the meter at the customer home or business. Grid Edge Intelligence solutions shift decision making to the grid edge to:

- Enable DER & EV orchestration (implementation, charging, balancing, etc.).
- Better manage energy and match load to generation across the grid.
- Enhance grid resiliency and restoration.
- Increase consumer engagement.
- Promote sustainability.

To address the growing need to support consumer DER (solar, batteries, and vehicle-to-grid or V2G) deployment, the challenges of operating an electric grid that is dependent upon the inherently variable power being delivered by renewables-based generation and growing load demand (including broad deployment of level-2 EV charging), utilities require both more visibility into real-time energy usage from below the substation all the way to the service point, and then control of behind-the meter assets including but not limited to DERs, EV charging and traditional demand response (DR) assets such as HVAC and hot water heaters. This combination of visibility and control provide the grid operator with a highly capable set of fine-grained tools for both understanding where physical assets need to be upgraded, where existing assets can be more fully leveraged, and where consumer-aligned DERMS can be leveraged to more cost effectively maintain grid stability and resilience.

The grid is becoming increasingly dynamic--and complex. Bi-directional power, intermittent energy sources, variable load and increasing demand add complexity for today's utilities. To increase safety, resiliency and reliability, Itron's grid edge intelligence solutions provide more visibility and control than ever before across the distribution grid.

This technology helps your energy providers make the most of their existing assets as they transition to a cleaner energy economy.