

The Itron logo is located in the top left corner. It features the word "Itron" in a bold, white, sans-serif font. A yellow lightning bolt icon is positioned above the letter "o". The logo is set against a circular background with a grid pattern.

Itron

A woman in a dark blue business suit is seen from behind, standing on a rooftop or high vantage point. She has her arms outstretched, interacting with a futuristic digital cityscape. The city is filled with glowing buildings and streets. Overlaid on the scene are various circular icons connected by lines, representing different aspects of a smart grid: a cloud, a brain, a Wi-Fi signal, a house, a car, a laptop, a heart, and a family. The overall color palette is dominated by blues and greens, with warm lights from the city buildings.

Distributed Intelligence

- Driving Intelligence to the Edge of the Distribution Grid

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Why Distributed Intelligence?



Grid operations and stability



Transform consumer relationships

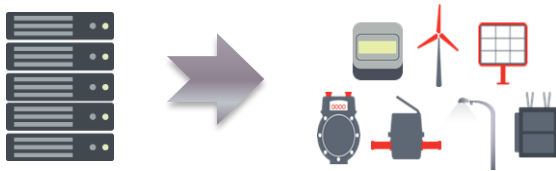


Grid safety and efficiency

Distributed Intelligence

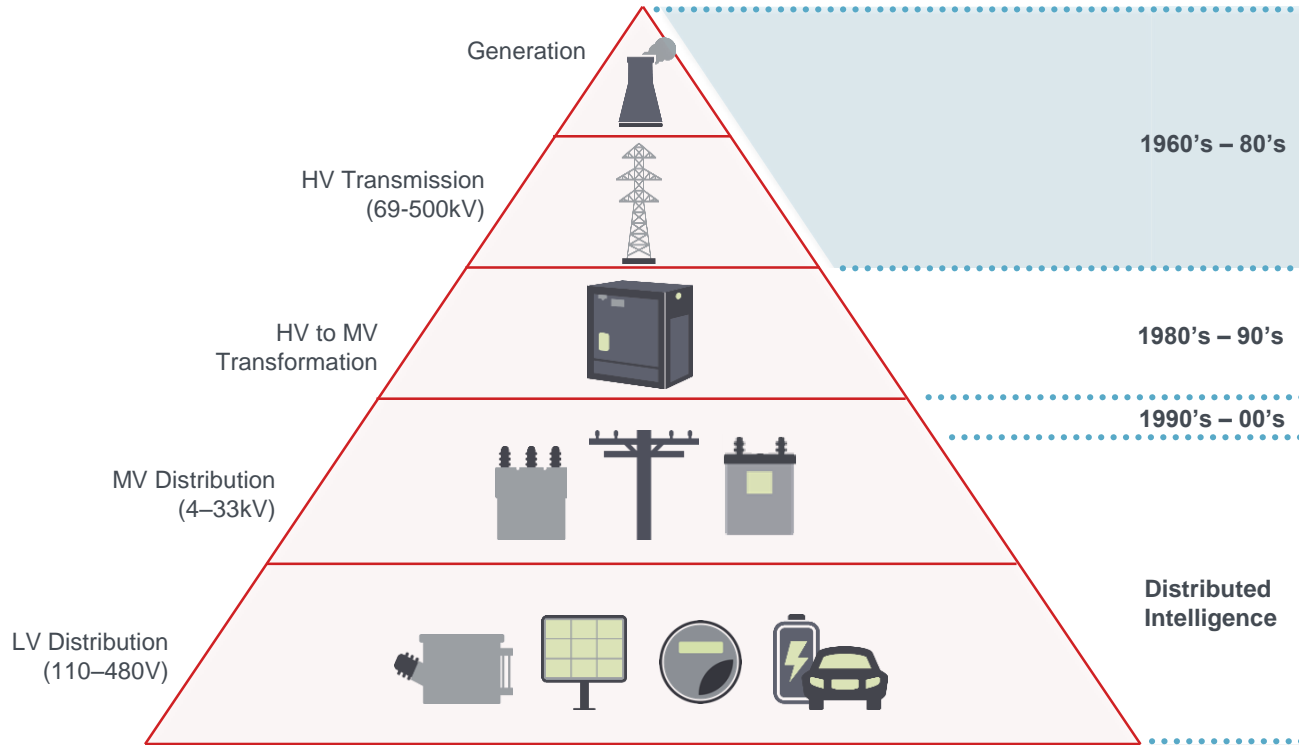
... distribution of *analytics* to the edge

- analysis
- decision making
- action



The Active Grid

Operational awareness and action to the edge of the distribution grid



How is this possible?



Linux computer in every meter

Application platform for distributed intelligence

Local access to high resolution data

Peer-to-peer communications among meters and devices

Open-standards multi-service IPv6 network

Multiple simultaneous network media (RF, PLC, Wi-Fi)

Distributed Intelligence Use Cases



Grid

- Location Awareness
- High Impedance Detection
- Broken Neutral Detection
- Active Transformer Load Management
- Feeder Phase Balancing
- Outage Detection
- Cold Load Pickup
- Active Voltage Management
- Bypass Theft Detection
- Secondary Service Theft Detection



Consumer

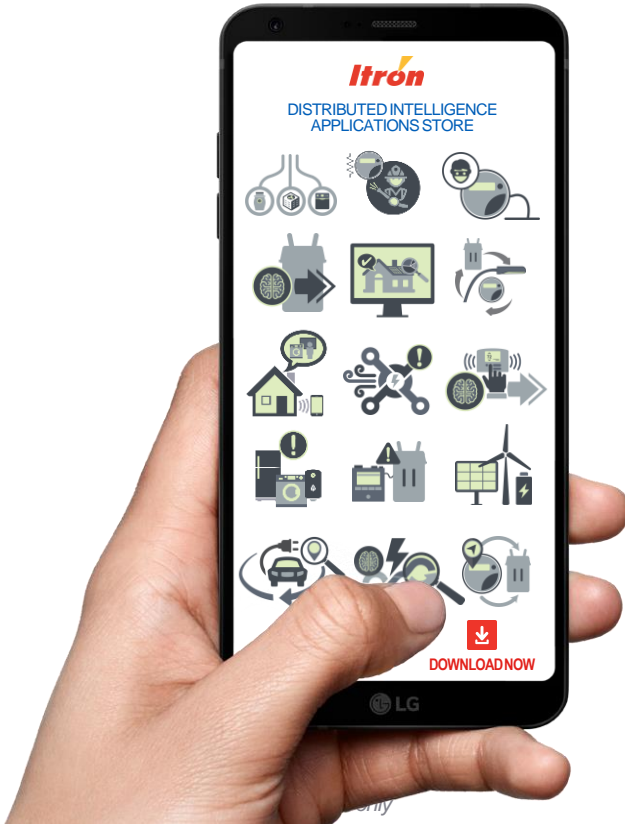
- Load Disaggregation
- Excess Usage Identification
- Activity in the Home
- TOU/Peak Alerts
- Targeted Marketing
- EV Identification and Management



DER

- Active Demand Response
- DG Detection
- Solar Identification and Management
- Solar Disaggregation and Forecasting
- Real Time Markets

DI App Store

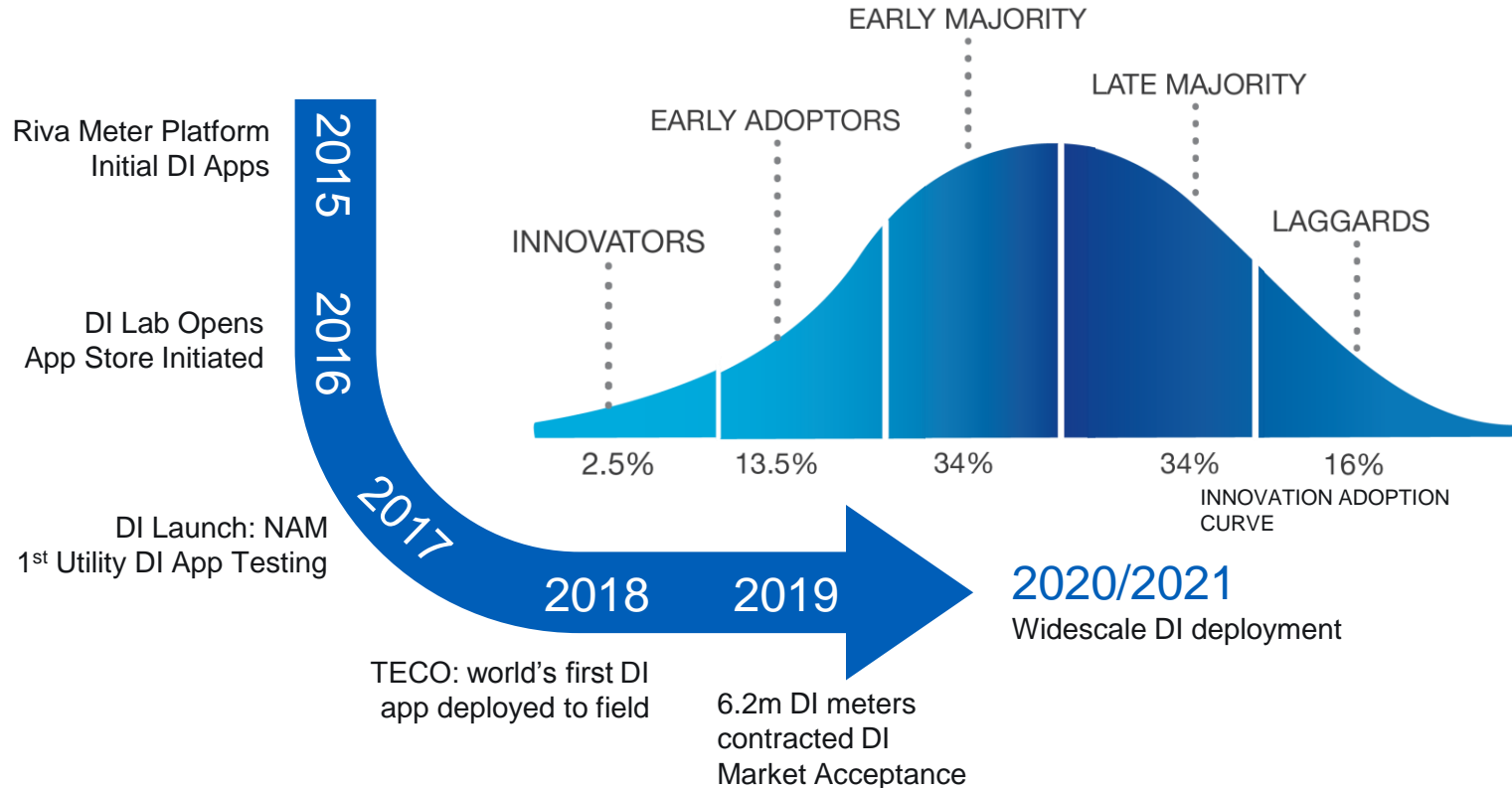


» DI App Store

- secure, highly scalable app deployment and management tool
- marketplace for vendors to offer and distribute their apps
- app certification and submission processes
- tracking mechanism for license deployment
- tracking mechanism for app health and resource utilization



Itron Distributed Intelligence Timeline



THANK YOU



www.itron.com