



# Distributed Intelligence Developer Program

The Complete Toolkit to Enable Value-Added Distributed Intelligence Applications at the Grid Edge

With smart grid networks scaling to millions of connected devices, electric utilities are among the leading adopters of enterprise and industrial IoT solutions. By utilizing smart meters as intelligent edge devices, utilities have an opportunity to activate these devices to create breakthrough applications.

The Distributed Intelligence Software Developer Kit (SDK) lets innovators leverage the compute power and real-time analytics of the Itron platform to unlock a new world of capabilities. Intelligent connectivity enables meters to collaborate at the edge and take action, accelerating response times while reducing the bandwidth needed to communicate with a central analytics server. Participating technology vendors can create innovative new solutions that help utilities increase revenue streams and enhance services for residents and rate payers.

The program is available to utilities as well as third-party developers, empowering participants with the same technology that Itron uses to create break-through Distributed Intelligence applications.

## Partner with a Proven Leader in Smart Utilities, Smart Communities and Industrial IoT

- » More than 200 million connected endpoints globally
- » 8,000 customers in 100 countries

With Itron's industrial IoT expertise and open platform, innovators around the world are joining the Itron Partner Ecosystem to deliver best-in-class solutions to today's challenges.

## WHY PARTNER WITH ITRON?

- » Most proven multi-application network for energy and smart city applications
- » 75% of power in the U.S. touches Itron technology
- » #1 in U.S. DA market share based on total # of DA endpoints deployed + contracted
- » #1 in electric and gas segments, in North America\*\*
- » Leader in Utility Field Area Networks\*\*\*

\*Deployed and announced projects in the U.S. by North East Group.

\*\*According to the 2017 Scott Report

\*\*\* Navigant Research Leaderboard for Utility Field Area Networking

## WHAT IS THE ITRON DI DEVELOPMENT KIT?

Itron is the pioneer of distributed intelligence for the utility industry. By providing access to meter data in real-time, Itron is changing the paradigm for how applications can access and process data at the edge of the utility network. These applications can create even more value when integrated with other systems to generate insights and improve system performance.

### Participants in the Itron Developer Program get access to:

- » The same APIs used by Itron to develop Distributed Intelligence applications
- » A metrology simulator, allowing recording and replay of meter high-frequency data as an aid in proof of concept and application development
- » Buildable reference code to accelerate development
- » The opportunity to distribute your application through the Itron Enterprise Application Center (revenue sharing applies)

This enables innovative applications for grid management such as theft detection, high-impedance detection, load disaggregation, distribution automation, Volt/VAR optimization and more. Do you have an idea for a solution? The possibilities are endless.

## QUALIFIED DEVELOPERS

The DI development kit is available at no charge to qualified participants. The ideal participant will have:

- » Industry or domain experience
- » A compelling concept for a DI application
- » C programming experience in/on an embedded Linux (O/S) environment.

## DEVELOPER ENGAGEMENT PROCESS

Whether you are a utility or a software developer, the Itron Developer Program offers the tools you need for rapid prototyping and deployment of Itron-ready distributed intelligence applications running on meters enabled by that technology.



### DISCOVER

- » Developer Portal
- » Tutorials
- » Technical documentation
- » Reference applications



### DEVELOP

- » Developer kits
  - APIs
  - Meter simulator
- » Support forums



### DEPLOY

- » Itron staging meters
- » Certification program
- » Joint marketing programs
- » Go-to-market support from Itron's sales team

## GET STARTED TODAY

- » Register on the Itron Developer Portal
- » Submit an application describing your proposed solution

[itron.com/developer-di](http://itron.com/developer-di)

Join us in creating a more **resourceful world**.  
To learn more visit [itron.com](http://itron.com)

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