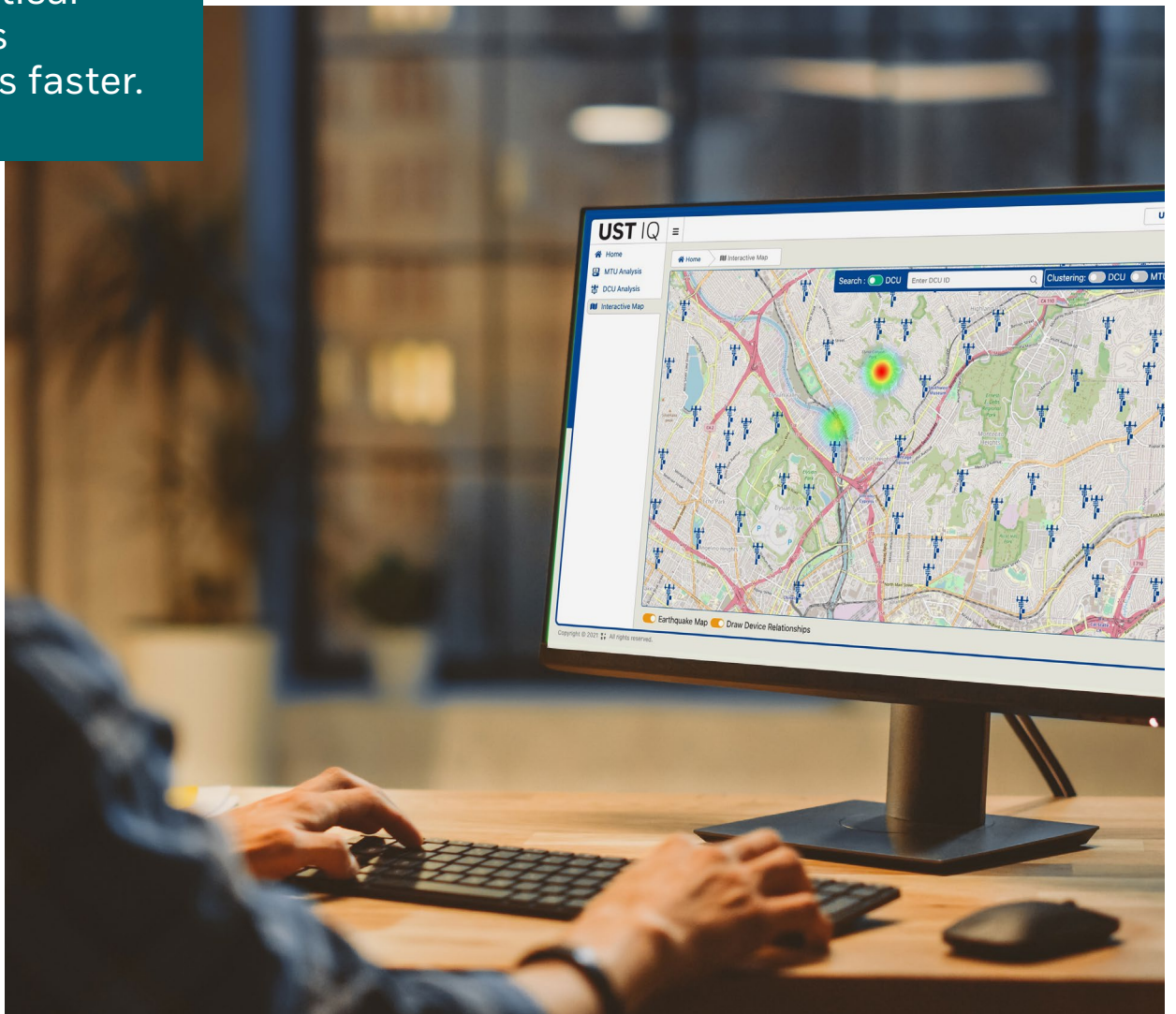


Get the most from your AMI Analytics

UST SOLUTION BRIEF

Empower your
operations
personnel to
make critical
business
decisions faster.



Identify issues before they become serious problems, accelerate resolution times, and improve customer engagement

THE CHALLENGE

The rise of Advanced, or Smart, Meters presents utilities with a powerful opportunity to become more agile efficient and create an environment embracing sustainable, renewable energy.

Knowledge is power. Realizing the true potential of an Advanced Metering Infrastructure (AMI) requires leveraging the increasing volume and velocity of the data generated by the rapidly increasing penetration of Smart Meters, which is estimated to reach 90% by the end of the decade.

What is required is an AMI Analytics platform that ingests the high volumes of real-time data and creates an environment containing harmonized, consolidated data ready for direct analysis of business operations personnel. This democratization of data places information directly in the hands of those responsible for making critical, time-constrained business decisions.

Real-time data tells you what is happening now. Still, it requires correlation with historical data to understand its proper context, identify trends, and predict what happens next.

While AMI data can create an up to the minute “god’s eye” view of your distribution network, it is also essential to provide a customer-centric perspective. This view enables better customer engagement and ensures the continuous availability of accurate information in real-time.



SOLUTION

At UST, we leveraged our experience building hyper-scaled data platforms to develop UST IQ and applied it to the unique challenges of AMI Analytics.

UST IQ for AMI Analytics automates the data engineering pipeline from ingestion to insights. As a result, AMI business operations can focus on critical decision-making and not spend time managing the underlying IT infrastructure.

UST IQ for AMI Analytics empowers organizations to build new business rules and accommodate new or changing data sources without embarking on large-scale software engineering projects.

Advanced Meters provide utilities with critical real-time data, but merely having the data is not enough. UST IQ for AMI Analytics empowers operations personnel by placing the information directly in the hands of the people who need it the most, accelerating critical business decisions.

From ingestion to insights in the blink of an eye!



BENEFITS



Manage Big Data at scale

High volume, high frequency, high concurrency, and high cardinality data but combined with throughput and low latency.



Single pane of glass

Improve back-office analysis by having meter data, location, alarms, events, and other important in one interface.



Location-aware, role-based, analytics

By integrating data from GIS systems, location-aware, role-based analytics automatically alerts skilled field crews, optimizing the when/what they investigate.



Identify issues faster and prevent some from occurring

Predict failure and impact of incidents, proactively optimize and stage resources.

Monitor and rank events and conduct triage analysis to optimize restoration sequence.



Self-service querying

Provide direct query access to empower business operations and accelerate the decision-making process.



Maximize efficiency of field service personnel

Identify if events result from network or power grid errors to avoid sending field crews for network outages that IT can resolve.