harmony®encore™

METER DATA MANAGEMENT +
ENTERPRISE SOLUTION SOFTWARE

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Master Meter took our best-in-class Harmony MDM software and completely re-envisioned every aspect including its design, interoperability, user experience (UX), and speed to bring North American utilities an entirely new software experience to be more intuitive, natural, with key information that is a single click away. Harmony Encore makes sense of consumption information, empowers customer service, and simplifies meter operations that solve today's most pressing utility challenges and those of tomorrow.

The Harmony Encore Suite is an open platform designed to be universally compatible with every Mobile AMR or AMI Network on the market today. How the data arrives isn't important because Harmony Encore is system agnostic. Its integrated Google® Mapping Tools and advanced Meter Data Management (MDM) features provide an exceptional environment for managing, reporting, and analyzing advanced metering infrastructure and mobile drive-by AMR information. Leveraging the Microsoft® Azure™ cloud, Harmony Encore delivers super-fast performance bringing the Internet of Things (IoT) into any sized water utility.

* To the best of our knowledge at the time of publishing.

HARMONY ENCORE SOFTWARE
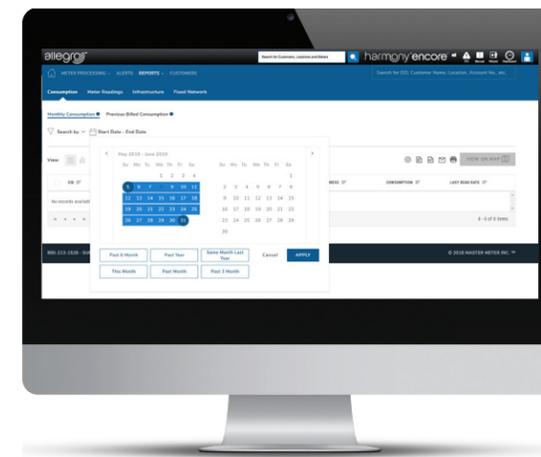## METER DATA MANAGEMENT + ANALYTICS

INFORMATION STUNNINGLY PRESENTED

Harmony Encore represents much more than a face lift to our award-winning Harmony MDM software. We've completely reimagined our software with faster performance, a refined, more intuitive user experience, and improved functionality.

Harmony Encore is the direct result of ideas and input from collaboration with water utilities during early design. Data is made more useful through enhanced clarity and design simplicity. Easily review system-wide consumption and make sense of it with a wide array of chart and map views. Analyze consumption trends relative to precipitation with Harmony Encore's "Consumption Cluster" mapping tool for a graphical model of high-and-low consumption regions.
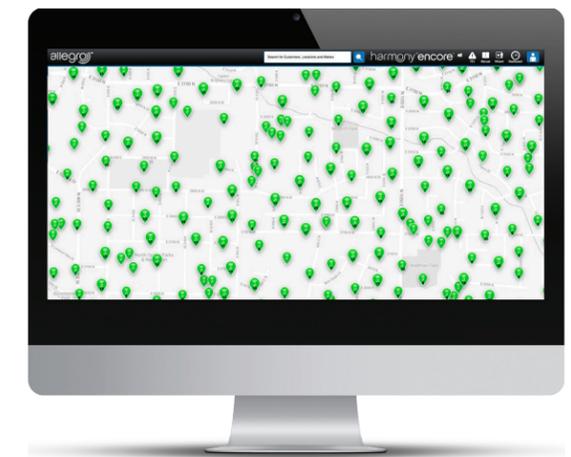
VISIBILITY SNAPSHOT

- Technology platform agnostic - Harmony Encore loves 3rd party data
- Simple, scalable HANDHELD → AMR → AMI technology migration
- Dynamic 2-way communication with endpoints and field assets
- Scalable, Microsoft® Azure™ Cloud hosted software supports any account size
- Cross platform SaaS works seamlessly with Windows and Apple environments
- Multiple GIS data layers including Google Streetview™ for quick service location inspection prior to truck roll
- Easily create District Metered Areas (DMA) with Harmony Encore's Polygon + Tool™ to analyze water loss and flow

CUSTOMIZABLE REPORTS

Leveraging the Microsoft® Azure™ cloud, Harmony Encore creates an exceptionally intuitive user experience for displaying and analyzing important data in a multitude of ways such as customizable reports, charts, graphs, and analyzing data from AMI and mobile data acquisition systems and providing insights. Harmony Encore also offers end-to-end data security and deep encryption to protect your customer's information and network access.

24/7 MONITORING

Harmony Encore monitors both water loss and network performance in real time using Allegro Licensed AMI. Critical alerts such as leak, tamper or reverse flow trigger timely notifications to utility personnel. Leverage an AMI network's two-way communication capabilities using On-Demand Reads and Data Logging directly from within Harmony Encore. Quickly scroll and zoom to view RF performance and network health to preemptively manage issues before they become serious.

HARMONY ENCORE GETS ALONG WITH EVERY METER DATA SOURCE

HARMONY ENCORE'S FLEXIBLE DATA MANAGEMENT

Harmony Encore simply loves data and it's incredibly accommodating regardless of which manufacturer's brand it comes from or the technology type used to provide it. Broad interoperability is a cornerstone in Harmony Encore's development. All Allegro Licensed, Allegro Cellular, and Allegro IoT Advanced Meter Infrastructure (AMI) technologies innately integrate with Harmony Encore - it's even backwards compatible with Master Meter's 3G Mobile AMR meter reading system and earlier hand-held data systems.

The GPS-based Mapping software means that vehicles and personnel are always connected for asset management and inventory controls. Leverage the Microsoft® Azure™ Cloud Platform for seamless data integration between Harmony Enterprise Platform and Harmony Mobile™.

REVENUE IMPACT ALERTS™

Leak Alerts and Flow Monitoring assist in reclaiming lost revenue from unaccounted for water and right-sizing of meters. In addition, notifications for theft and tamper are relayed back to the Cloud for analysis and action. Inactive meters are also identified and queued for inspection.

ANY METER. ANYWHERE.

Harmony Encore's integrated API capabilities will eliminate 3rd party software incompatibility challenges and foster seamless integration and system future proofing. This new level of software flexibility makes possible the integration of nearly every meter data source for every meter. The utility receives a robust, multifaceted data platform that supports two-way communication and provides consumption analysis down to 15 minutes. Remote programming of Meters and Remote Firmware Upgrades are also available through Harmony Encore's Enterprise platform while using the Allegro AMI system.

allegro® licensed

allegro® cellular

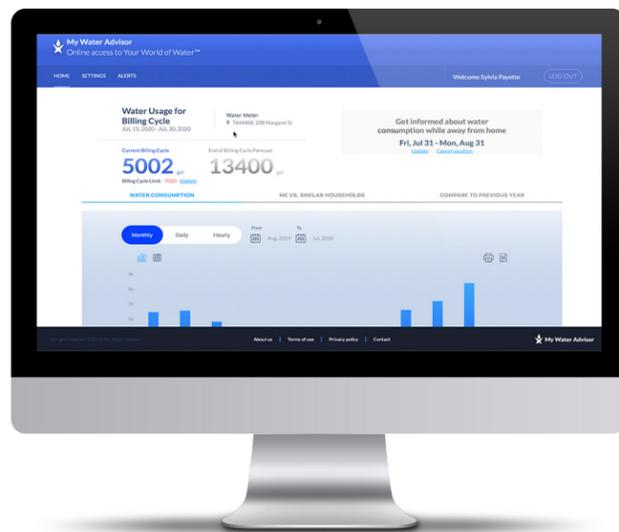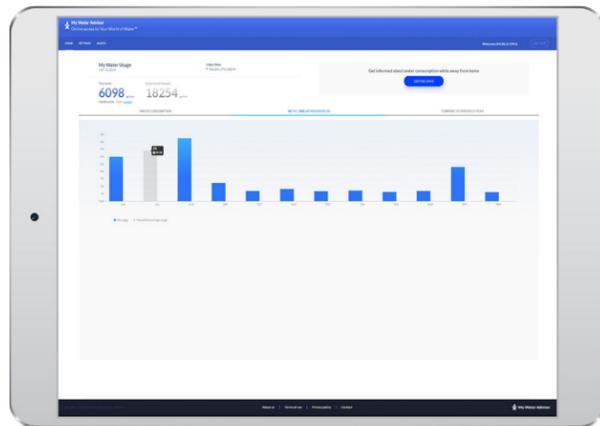allegro® iot

harmony® encore™

FEATURES FOCUS:

- MDM is agnostic towards the chosen meter and AMI tech
- Flexible, modular software is forward-ready to support future growth in functionality
- Secure offsite cloud-based data redundancy and remote storage
- Designed for utilities by utilities with continually enhanced features and modules
- Integration of external data: GIS, CIS and other applications via APIs

MY WATER ADVISOR™
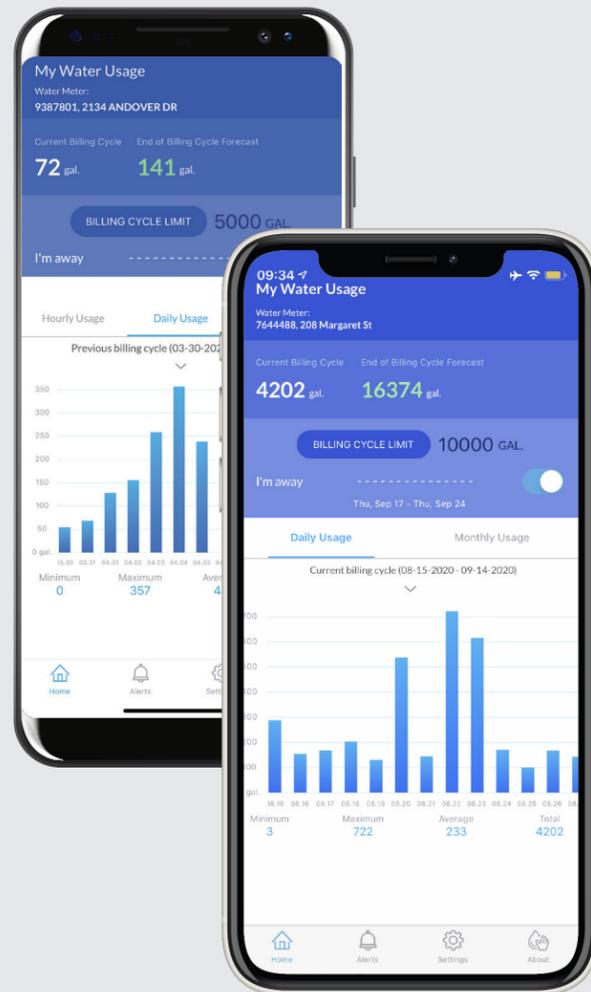## CUSTOMER ENGAGEMENT SUITE

CUSTOMER WEB PORTAL +
SMART PHONE INTEGRATION

Place the power of Harmony Encore in the hands of your utility customer, with the My Water Advisor™ customer engagement web portal. The online application allows for convenient access to up-to-date hourly usage information. The chart view allows for daily, monthly, and yearly review of water usage and also shows a comparison to the user for real accountability. This full-featured water portal allows the user to set up alerts for on-premises leak detection, over-budget notifications, and gives the ability to set vacation periods to be notified of unusual, unauthorized usage while a customer is away.

Both iOS and Android can easily display My Water Advisor™. This water management software for the consumer puts the power of the online portal in the rate-payer's hands allowing for simple management of their usage via a smart phone.

MOVING AT THE SPEED OF TECHNOLOGY™

Master Meter provides water utilities with precise digital measurement, data delivery, and water management software that optimize revenue, improves efficiencies, and promotes water stewardship through enhanced customer engagement. Master Meter continually expands its solutions portfolio of new and innovative smart water technologies in support of today's highly dynamic water utility business environment, and the water department's rapidly evolving role within a Smart City and IoT strategic plan. Our smart water brands include Sonata & Octave Ultrasonic meters, Allegro AMI, Harmony MDM, and My Water Advisor Portal.

MASTER
METER