



# harmony™

## METER DATA MANAGEMENT + DATA ACQUISITION SOFTWARE

A screenshot of the harmony software interface, showing a dashboard with multiple data visualizations. The interface includes a top navigation bar with icons for Home, Manual, Wizard, Dashboard, Customer, Location, and Meter. A search bar at the top right says "Search for Customers, Locations and Meters".

The dashboard includes the following components:

- Customer Care** section:
  - Alerts**: A circular chart showing "Alerts Status and Handling Status" with segments for "CCW Read" (blue), "Leak" (green), "Negative consumption" (yellow), and "New" (orange). Labels indicate "Reminder: 18", "New: 38", "New: 111", "New: 87", and "New: 467".
  - Critical Alerts**: A table showing "Meter ID", "Alert Type", and "Severity" for 15 different meters, all listed as "CCW Read" with high severity.
- Fixed Network** section:
  - Consumption**: A chart titled "Monthly Total Consumption" showing consumption in Gallons from February 2015 to February 2016. It includes a bar chart for "Residential" consumption and a line chart for "Rainfall".
  - System Status**: A chart titled "Reception Quality by Meters" showing 100% reception for 5021 meters across three levels: RX Level 1 (green), RX Level 2 (yellow), and RX Level 3 (orange).
- Administrative** section:
  - Work Orders**: A pie chart titled "Work Orders by Status" showing the distribution of work orders: "Overdue: 4" (orange), "Completed Today: 0" (green), and "TODO Today: 0" (blue).
- GIS** section:
  - Consumption Map**: A map showing consumption levels across a geographic area, with "Low" consumption in green and "High" consumption in blue. A legend indicates "Low" and "High".



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## METER DATA MANAGEMENT + DATA ACQUISITION SOFTWARE

Harmony Enterprise™ Suite is an open platform, designed to be compatible with nearly every AMI Network on the market today. 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 data acquisition systems. Leveraging the Microsoft® Azure™ cloud, Harmony delivers super-fast performance bringing the Internet of Things (IoT) into any sized water utility. Additionally, Harmony is compatible with nearly every billing system on the market and can provide added value and analytics to most Customer Information Systems (CIS), in addition to a wide variety of Asset Management and GIS Software.

## HARMONY ENTERPRISE™ SUITE METER DATA MANAGEMENT + ANALYTICS

### ENGAGING DATA PRESENTATION

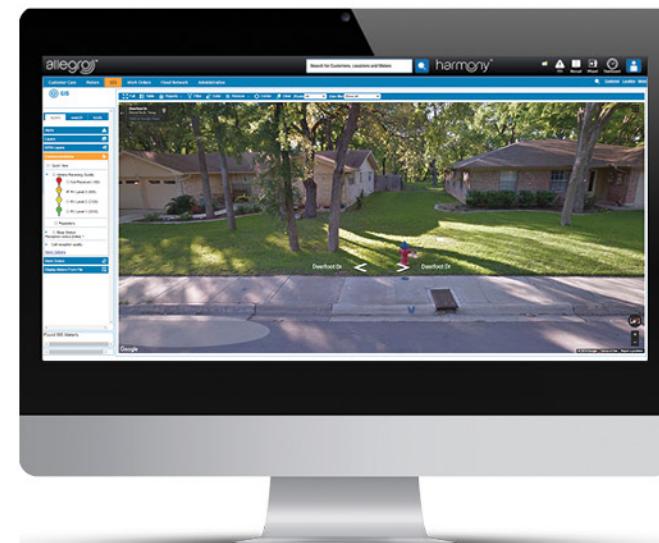
Review system consumption and make sense of it with a wide array of chart and map views. Harmony's Dashboard Overview is "Widget" based for easy customization and graphical display. Analyze system-wide consumption relative to precipitation to better understand environmental impacts on demand and utilize Harmony's "Consumption Cluster" mapping tool for a graphical model of high-and-low consumption regions.

#### VISIBILITY SNAPSHOT

- Simple, scalable AMR → AMI technology migration
- Dynamic 2-way communication with endpoints and field assets
- Scalable, Microsoft Azure™ Cloud hosted software supports any account size
- Harmony supports wide array of 3rd party data integration
- Cross platform SaaS works seamlessly with Windows and Apple environments

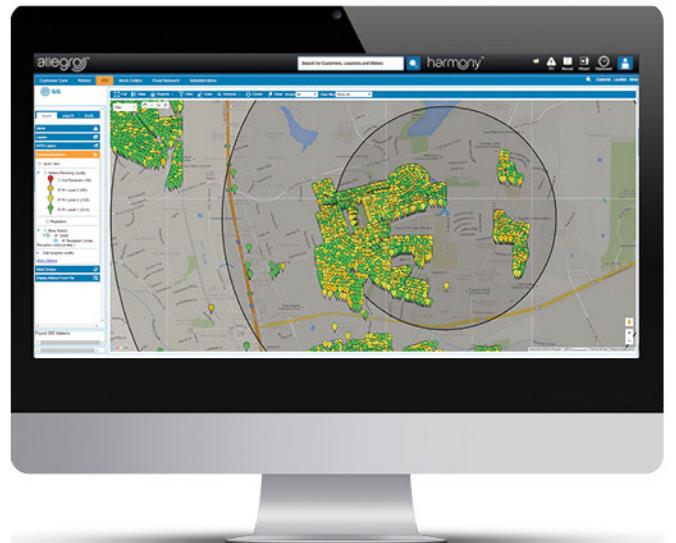
### GOOGLE INTEGRATION

Harness the power of Google Maps in Harmony's GIS Module. Mapping tools include: Elevation Measurement, Terrain Elevation Chart, Distance Measurement, and Geo-coordinate Display. Google Streetview™ is also included to provide quick inspection of a service location prior to a truck roll and can also be used as an integrated window on the GIS Map. Create District Metered Zones (DMZ) in a few simple clicks with Harmony's "Polygons" to easily measure water loss.



### 24/7 MONITORING

With Harmony, both water loss and network performance is monitored in real time. Receive immediate notification of leak alerts and other forms of tamper. Leverage your AMI networks true two-way communication capabilities with On Demand Reads and Data Logging directly from Harmony. Quickly scroll and zoom through the network to view RF performance and health to preemptively manage issues before they become serious.



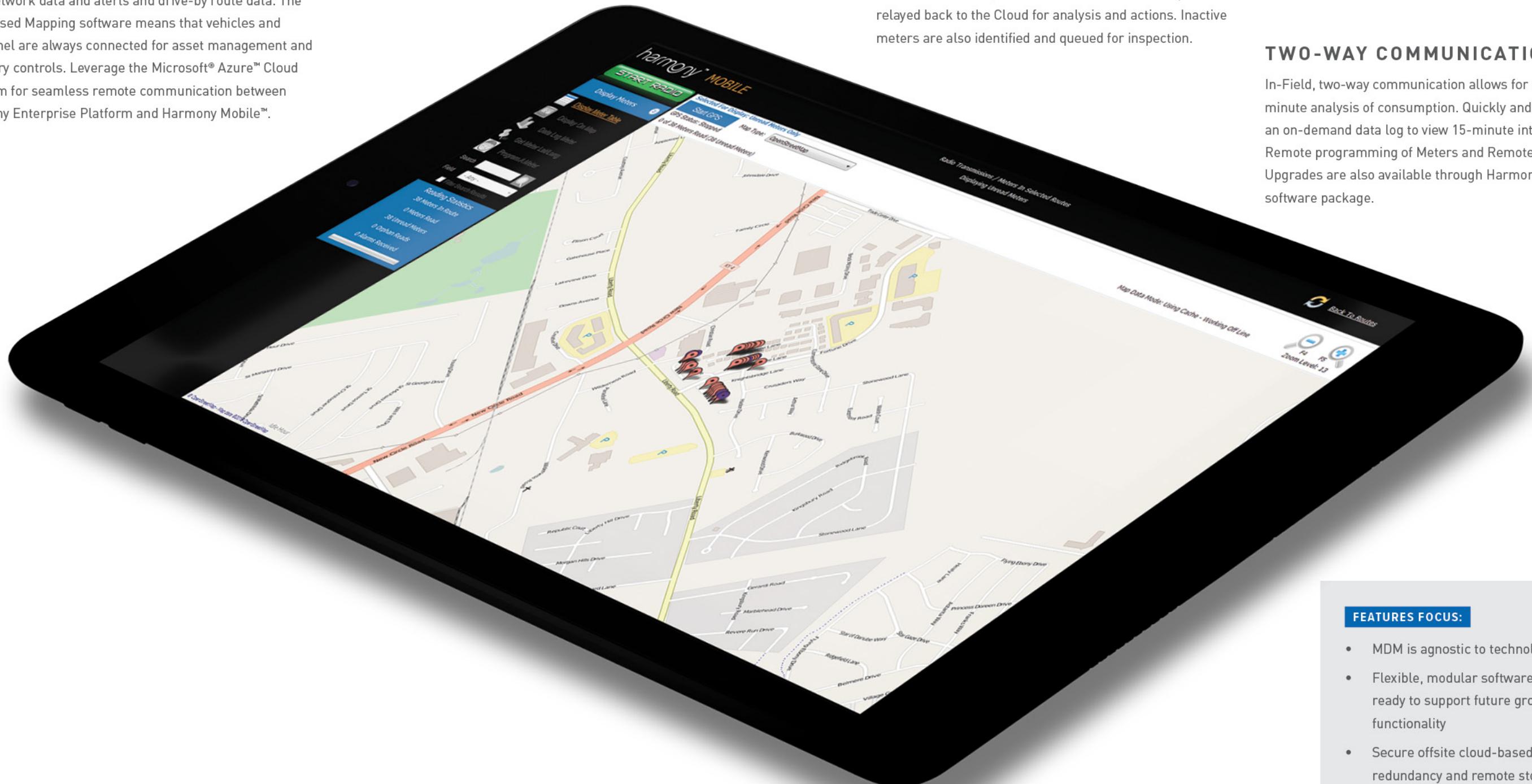


## HARMONY MOBILE™ SOFTWARE

### DATA ACQUISITION

#### HARMONY'S FLEXIBLE DATA MANAGEMENT

Harmony's broad interoperability allows integration between fixed network data and alerts and drive-by route data. 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 remote communication 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 actions. Inactive meters are also identified and queued for inspection.

#### TWO-WAY COMMUNICATIONS

In-Field, two-way communication allows for minute-by-minute analysis of consumption. Quickly and easily request an on-demand data log to view 15-minute interval reads. Remote programming of Meters and Remote Firmware Upgrades are also available through Harmony Mobile's software package.

#### FEATURES FOCUS:

- MDM is agnostic to technology source
- Flexible, modular software is forward-ready to support future growth in functionality
- Secure offsite cloud-based data redundancy and remote storage
- Customizable analytics reporting and dashboards

## MY WATER ADVISOR™

### CUSTOMER ENGAGEMENT SUITE

#### WEB PORTAL + SMART PHONE APPS

Place the power of Harmony in the hands of the rate payer, with the My Water Advisor™ customer engagement suite. The online portal allows for convenient access to up-to-date hourly usage data. The chart view allows for daily, monthly, and yearly review of water usage and also shows a comparison to the user's peers for real accountability. This full-featured water portal allows the user to set up alerts for on premises leak detection, over-budget notifications, and also to set vacation periods to be notified of unauthorized usage.



Available in both iOS and Android, the My Water Advisor™ mobile app puts the power of the online portal in the rate payers hands allowing for simple management of their usage via a smart phone.



#### MOVING AT THE SPEED OF TECHNOLOGY™

Master Meter is a high-service solutions provider specializing in advanced digital water metering, data delivery, and Utility Intelligence (UI) software. Master Meter's portfolio of new and innovative smart water technologies continues to expand in support of today's dynamic water utility business environment, and the water department's rapidly evolving role within a Smart City strategic plan.



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