

## Setting the Stage for Fast M2M Service Rollout

Data starts in the field, at the edge of your company's operational scope. To drive business value and create truly actionable information, you need a simplified, efficient and fast way to collect, transport, analyze, visualize and take action on that data. Working together, Eurotech and ThingWorx bring the power of the Internet of Things to companies in a range of industries, for lower operational costs and higher revenue generating opportunities.



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The need for data to run business and to drive decisions is increasing exponentially. While the amount of data is exploding, the way to harness it and transform it into valid information is now here. When you need to access data at a moment's notice, analyze trends over time, and visually display truly useful information, you need the right tools and platform to make it all happen. Eurotech and ThingWorx offer the tools to help you drive your business.

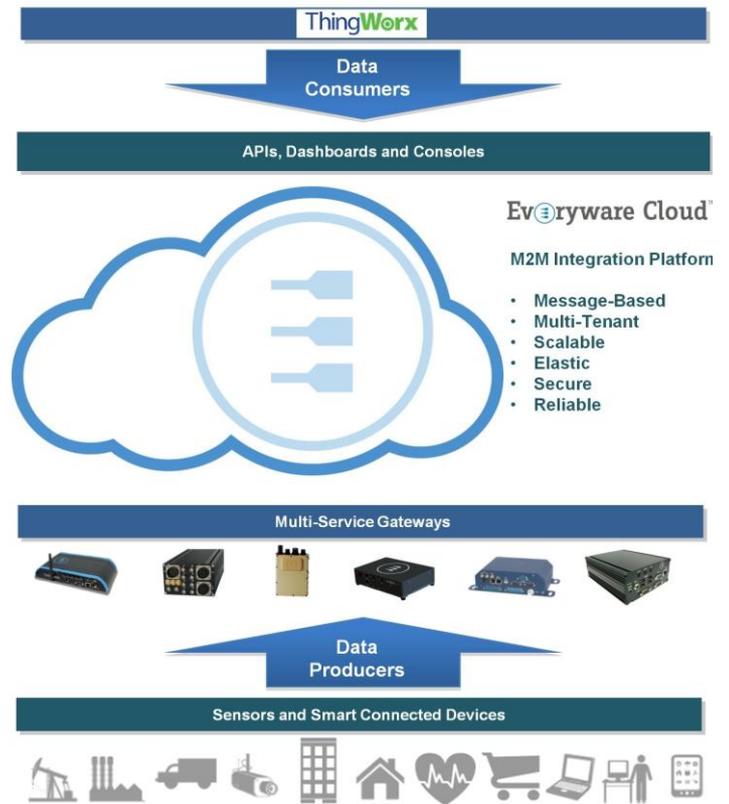
Out in the field, factory, golf course, gas station, highway, gym or pretty much anywhere, is data, with devices that **produce data**. In the office, operations center, maintenance facility, central control center, or any control and monitor point are people and systems that would like to **consume data**.

Together Eurotech and ThingWorx **bridge the gap** between data producers and data consumers, providing an M2M integration platform and integrated application development platform that simplify the flow and presentation of data.

### MULTI-SERVICE GATEWAYS

Eurotech's Multi-Service Gateways aggregate data from sensors, devices, actuators – anything that produces data and can share it. Different Multi-Service Gateways meet requirements of various vertical markets, with extended and commercial temperature support, ruggedization levels and connectors to meet military, rail and industrial specifications, and form factors that fit into your

specific environment. Example Multi-Service Gateways include ReliaGATE 50-21, Helios, and DynaCOR.



### M2M Service Components

With Eurotech's Everyware Software Framework (ESF) installed on the Multi-Service Gateways, programming the units is simplified through the use of foundational and vertical-specific bundles of functionality, based on Hitachi's OSGI framework and Oracle Java. Applications built on one Multi-Service Gateway can be easily ported to other ESF-enabled devices, for long application life.

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### M2M INTEGRATION PLATFORM

Eurotech's Everyware Cloud, the M2M integration platform, transmits, combines and analyzes data flows from the field devices to bring the data into a manageable and useful form for business applications. Everyware Cloud optimizes data collection using the open MQTT protocol, manages all the connected devices providing information about the status of every single device, and offers a very sophisticated tool for analysis of real-time data for immediate action as necessary, while a long-term data store enables trend analysis over time. All these functions are accessible through programmatic interface (REST APIs) by any number of business applications.

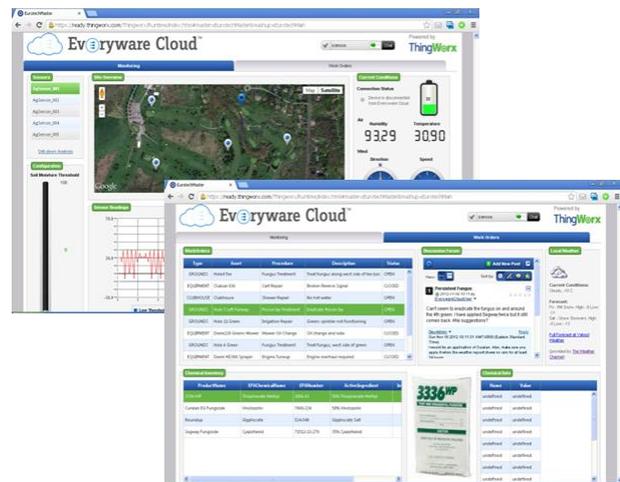
The Everyware Cloud integrates data from producers (field sensors) in many environments, which have been siloed in the past, to deliver information seamlessly to any number of data consumers (typically business applications). With data collected from numerous sources and processed as a whole, developers can conceive new services that are currently beyond imagination.

### PRESENTATION AND VISUALIZATION

The ThingWorx application development platform is pre-integrated with Eurotech's Everyware Cloud, and provides a complete application design, runtime, and intelligence environment that can be used to rapidly deliver complete M2M applications. ThingWorx

provides a core set of features that help reduce application development time by 10X:

- ThingWorx Composer™, a complete application modeling environment, allowing developers to model the data, activities, and interactions of edge devices, people, and systems that make up an M2M application.
- Codeless Mashup Builder, a drag-and-drop tool that allows users to leverage their application model and assemble rich, interactive user experiences, mashups, and visualizations in minutes.



### ThingWorx-based Visualization and Mash-up

- Search and Analysis Tools that provide interactive search and data analysis capabilities, allowing users to correlate device and enterprise data that delivers answers to key business questions.
- Simple Integration to external business systems, databases, and web services.

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These features enable a continuous innovation process that extends beyond initial M2M solution deployment, resulting in rapid generation of unique new services that drive differentiation, growth, and profitability.

### CONCLUSION

Eurotech and ThingWorx are working together to enable you to quickly and easily develop and deploy M2M applications and services. For more information on how Eurotech and ThingWorx can help you make the most of your data and increase your business success, please visit our websites at [www.eurotech.com](http://www.eurotech.com) and [www.thingworx.com/partners/eurotech/](http://www.thingworx.com/partners/eurotech/).