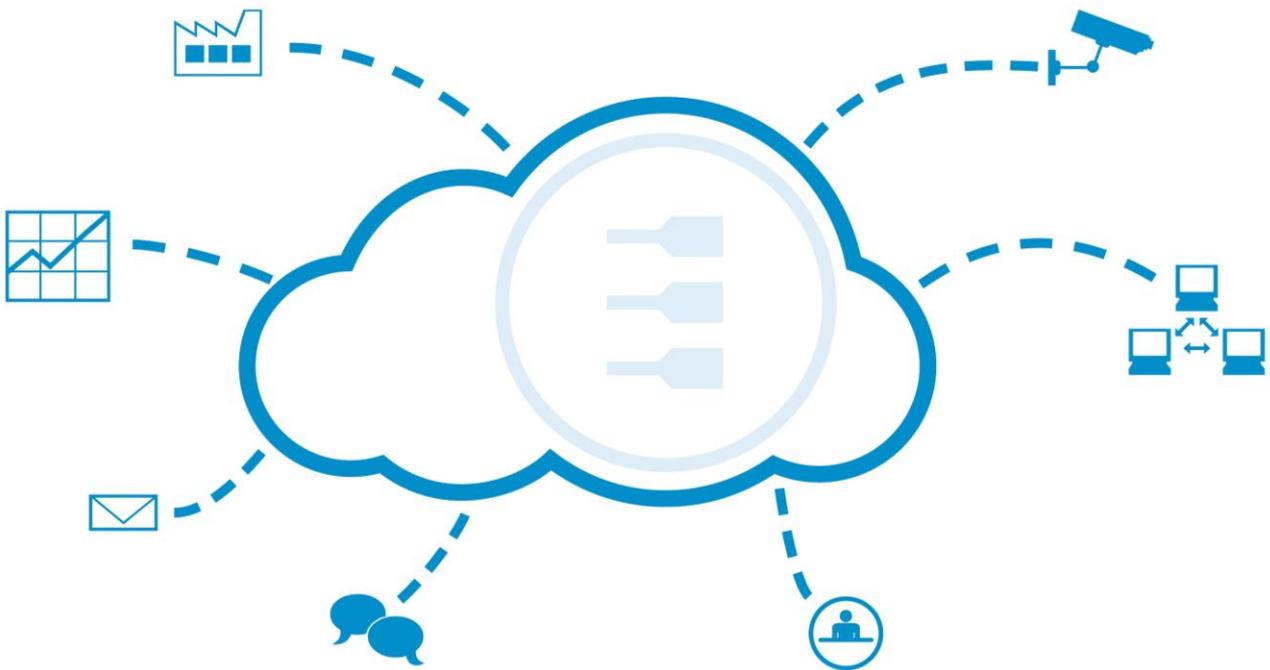
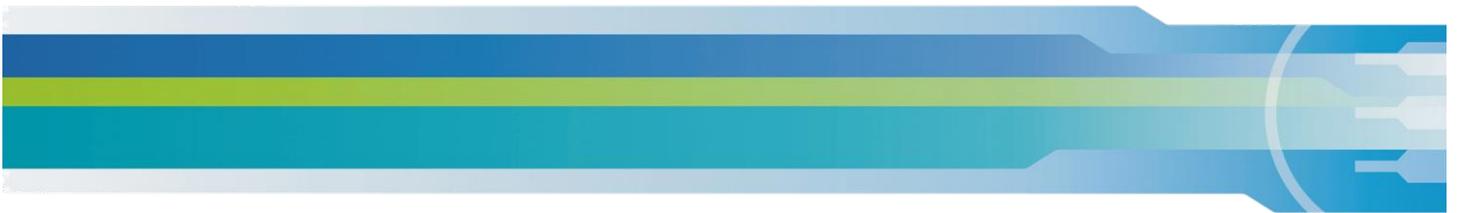


## What You Don't Know Could Help You

Have you ever thought that you would have done something differently if you had more information available to you at the time? Of course, we all have! With the fast pace of today's technology, data has never been so readily available to us; with the right equipment, we can instantaneously have information to can make decisions in real-time. So what is our excuse for not getting the outcomes we desire? It appears that we no longer have one. Eurotech and Silicon Engines bring the data you've been missing to your fingertips and provide you the tools necessary to make that data work for you.



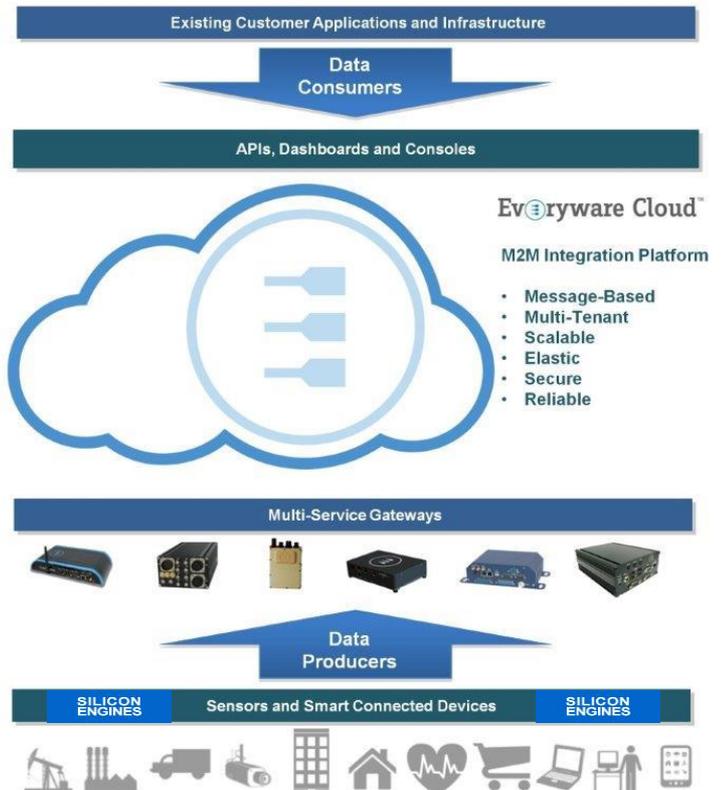
## What You Don't Know Could Help You

Business managers in virtually any vertical market share a common goal: to grow their business, producing results quickly and efficiently. Achieving this goal requires precise, reliable and timely access to data, as well as a centralized way to conveniently collect, store and analyze this data.

Data can come from many sources. Whether it originates in delivery trucks, distilleries, grocery stores or fitness clubs, the data itself presents the same valuable opportunities for business leaders. Therefore, gaining access to this information is of utmost importance. Silicon Engines and Eurotech are combining RFID technology, gateways and a sophisticated cloud-based platform to capture data in the most efficient and simple way at the edge of the network, bring it together and analyze it to drive real-world decisions in real-time.

### WIRELESS IDENTIFICATION TECHNOLOGY IN THE FIELD

The process begins with capturing the data, which Silicon Engines does through their Near Field Communication / High Frequency (NFC/HF) and Radio Frequency Identification (RFID) Evaluation Boards. The boards provide a portal for smartphones to interface with a wide range of machines and objects and facilitate data transfer between equipment. Operating at near-field range (within approximately 8 inches), these boards read and write industry standard HF RFID tags and use Eurotech's Everyware Cloud MQTT protocol to connect sensors to established software technologies where operating with a small code footprint is imperative. Lithium-Ion battery technology and the ability to interface with a wide variety of equipment thanks to the custom I/O on these boards make them highly efficient, flexible and reliable.



*M2M Service Components*

### MULTI-SERVICE GATEWAYS

Once the data has been captured at the sensor level, it must then be collected and transmitted. 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, ReliaGATE 20-11, and DynaCOR.

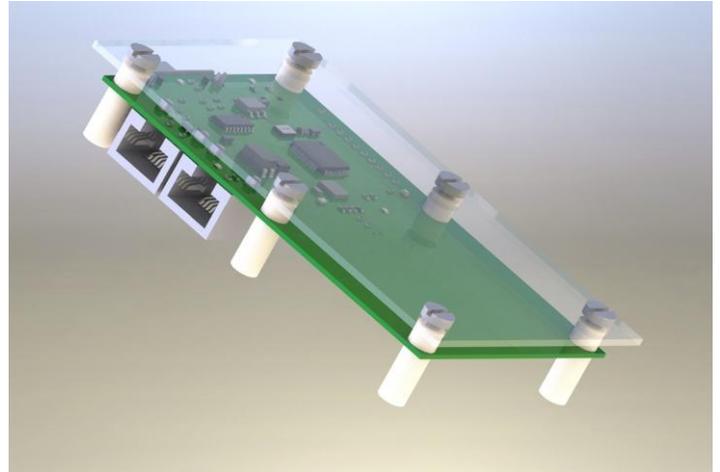
## What You Don't Know Could Help You

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.

### 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 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, like Silicon Engines' NFC/HF RFID Evaluation Boards) 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.



*Silicon Engines RFID Reader/Writer*

### CONCLUSION

Eurotech and Silicon Engines are working together to enable you to quickly and easily capture data using the latest wireless identification technology so you can use it to develop and deploy M2M applications and services. For more information on how Eurotech and Silicon Engines 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.siliconengines.net](http://www.siliconengines.net).