

## Eurotech and Bitreactive show innovative IoT gateway solutions at CeBIT

*Eurotech's device and data management technology combined with Bitreactive's visual coding tool for smart gateways is presented at the IoT Solutions Eurotech & Partner Area in Hannover (Hall 13 Booth E77)*

Amaro, ITALY – March 14, 2016 – Eurotech, a leading provider of smart devices and Machine-to-Machine (M2M) technologies enabling Internet of Things (IoT) applications, together with Bitreactive are presenting smart IoT gateway solutions based on the combined expertise and technology of both companies.

Bitreactive's visual programming tool, Reactive Blocks, offers maximum productivity and flexibility to process machine or sensor data on IoT gateways while removing the need for specialized skills in embedded systems. The solutions will be demonstrated to show how to build robust IoT gateway applications for industrial solutions, simpler, safer and faster.

Without proper tools, programming the applications running on IoT gateways is far from trivial. It requires experience in handling concurrent computing tasks and an understanding of platform specifics; such as low level interfaces and protocols. A gateway must interact with several interfaces and devices, be monitored and controlled remotely, and have the ability to adapt to changes in the environment.

With Eurotech's Everyware Software Framework (ESF), programmers with basic Java/OSGi skills can quickly create M2M and IoT applications, test their code on a local simulation environment, and deploy their application with one click onto the target gateway device and perform remote debugging.

Reactive Blocks provides ESF programmers with a highly productive visual coding tool for robust and flexible application development. Jone Rasmussen, Bitreactive's CEO commented:

“Eurotech is one of the most innovative and influential IoT companies. We see the ecosystem of Eurotech's Reliagate, the Everyware Software Framework and Reactive Blocks for application development as a perfect fit for quickly rolling out complex IoT solutions. By using Reactive Blocks, Eurotech application engineers and their customers are speeding up their software development process and building intelligent gateway applications in a quick and repeatable way without being trapped in unmanageable software complexity.”

Reactive Blocks comes with a built in formal analysis that discovers typical errors of concurrent systems like deadlocks or race conditions, and it ensures proper use of interfaces. Non-expert technical staff, such as pre-sales or field application engineers can rapidly prototype and build ESF applications for Eurotech's IoT gateways by leveraging its open source, off-the-shelf visual building blocks. The flexible and visual development of Reactive Blocks enables close customer interaction to reduce misunderstanding in customer requirements around application functionality.

Eurotech's CMO, Robert Andres said on the jointly presented use case at CeBIT: "Bitreactive, with its unique programming tool Reactive Blocks helps solve programming challenges when developing typical gateway applications. It is a tool that makes it quick and easy to put together proof of concept applications and see it evolve to a production level solution without an increase in software complexity. The Bitreactive use case at CeBIT is an excellent example of how Reactive Blocks together with ESF removes complexities and technological barriers companies face when creating and deploying IoT solutions."

Besides presenting their smart IoT gateway solution, Bitreactive will be participating in the Communications and IoT Solutions Forum on Thursday March 17<sup>th</sup>.

#### About Eurotech

Eurotech (ETH:IM) is a global company that designs, creates and delivers full Internet of Things solutions, including services, software and hardware to leading systems integrators and enterprises large and small. With Eurotech solutions in place, clients have access to the latest open source and standardized software stacks, flexible and rugged multi-service gateways and sophisticated sensors to bring actionable data from the field into business operations. Working with world-class ecosystem partners, Eurotech delivers on the promise of the Internet of Things either from end to end, or with best in class building blocks, including device and data management, connectivity and communication platform, intelligent edge devices and smart objects following business models that fit today's business world. Learn more about Eurotech at [www.eurotech.com](http://www.eurotech.com).

#### About Bitreactive

Bitreactive is a spin off from Norway's leading technical university NTNU that offers developers tooling and frameworks for building intelligent solutions on machines, devices and gateways at the edge of the IoT network. It's visually aided application development methodology allows abstraction from embedded micro-architectures or low level interfaces and communications protocols, making it possible for a broad community of developers to build intelligent edge solutions for the IoT. Bitreactive works with the leading IoT solution providers around the

world to make pluggable interfaces to their services accessible to the Reactive Blocks developer community. Reactive Blocks is offered to both end user developers as well as OEMs and ISVs needing to enable 3rd party developers on their IoT platforms.

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