



Smart Connections

ionSign – GLUON

Data capture and transfer for commercial IoT solutions

The **GLUON** concept is designed for extensive and versatile remote data capture of commercial and industrial equipment and processes. It supports a wide range of input signals and shakes hands with existing control and automation systems. It is autonomous, dependable and supports integration to several IoT platforms. Installation of **GLUON** is simple and quick.

ionSign **Gluon** is a family of data capturing devices with analog, digital, PT1000, Modbus signal inputs, and LAN/TCP-IP and mobile data connections. With **Gluon** devices you can create a stand-alone data harvesting system, or integrate into existing measurement, automation and management systems. The acquired data may be served to bespoke systems, ionSign’s cloud services or to commercial cloud and IoT platform services, like Microsoft Azure or Amazon Web Services.

Unit Processes



Remote & Moving Locations



Standalone Equipment



Distributed Equipment



Unmanned Facilities



Icons by Freepik from Flaticon.com



LAN/TCP-IP
3G Mobile Data



Microsoft Azure
Bespoke & Commercial
Cloud Services & Platforms



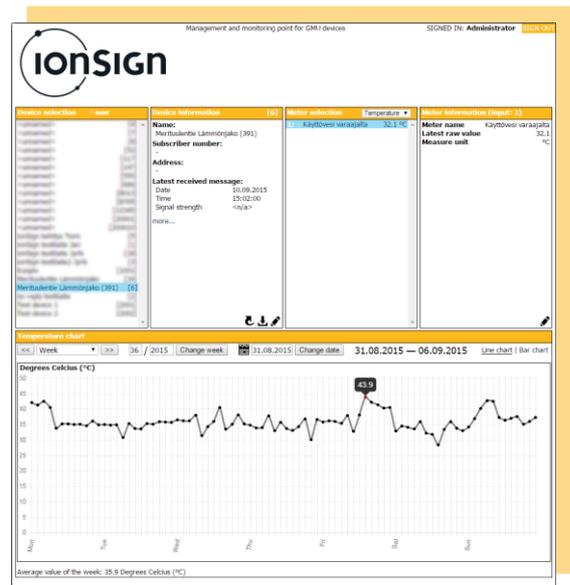
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Case Enersize Oy

Enersize provides a systematic compressed air system (CAS) energy efficiency optimisation service. One of Enersize's clients, a leading Chinese global LCD panel manufacturer, used 47 GWh annually for compressed air production. This needed to be cut down to ramp up cost competitiveness and carbon footprint. With the data delivered by three **Gluon GMU191** units, Enersize planned and employed the optimisation measures. Within 5 months of kick-off, Enersize had delivered energy savings of 15%. Further optimisation measures are already planned to drive energy savings to 29% over the next 12 months.

Why is **GLUON** Different?

- **Fast & easy to install and just start using**
 - ✓ The simplest configuration
 - ✓ Starts ticking right away, stops only at your command
- **Data is never lost, time series is always complete**
 - ✓ Recovers from transfer & power network failures
 - ✓ Sufficient local buffer built on hardware
- **Makes sense for a few sensors or thousands of them**
 - ✓ Simple and affordable for simple needs
 - ✓ Scalable and reliable for complex needs
- **Wide support for sensor signals and IoT platforms**
 - ✓ Digitalise even your legacy systems
 - ✓ Use your platform of choice, bespoke or commercial



The Flexible Solution

Gluon devices support a multitude of measurement signals, enabling also legacy systems to be digitalised. You're also free to choose any platform as the receiving service for the data, bespoke or commercial. When set up, the **Gluon** system keeps on providing data, until asked to stop. No user action is required even in case of transfer or power network failures, the system recovers spontaneously.

Looking for reliable field devices for your IoT application's data capturing layer? Be sure to check on **Gluon.**