



Smart Connections

ionSign – GLUON

Smart Data Capture for Commercial IoT Solutions

The **GLUON** concept is designed to capture data from 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. Setting up **GLUON** is simple and quick.

ionSign **Gluon** is a family of data capturing devices with analog, digital, and Modbus signal support, and 3G, TCP/IP and LoRa data connections. With **Gluon** devices you create stand-alone data harvesting systems, or integrate to 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, Amazon Web Services or IBM Bluemix.

Unit Processes



Wired & LoRa RF

Remote & Moving Locations



Standalone Equipment



Distributed Equipment



Unmanned Facilities



3G LAN/TCP-IP



Commercial & Bespoke Cloud Services & Platforms



Smart Connections



Energize

Read more: bit.ly/energize

Case Energize Oy

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

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 to receive 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 network or power failures, the system recovers spontaneously.

What makes GLUON Different?

- **Fast & easy to deploy**
The simplest configuration
Starts ticking right away, stops only at your command
- **Data is always complete**
Recovers from transfer & power network failures
Sufficient local buffer built on hardware
- **Scales up & scales down**
Simple and affordable for simple needs
Scalable and reliable for complex needs
- **Platform agnostic, truly**
Digitalise even your legacy systems
Use your platform of choice, bespoke or commercial

Wired and Wireless Connectivity

Local data connections can be hard wired or LoRa RF on ionSign's gateways and bridges. Internet connection has the options of 3G, TCP-IP/LAN and commercial LoRa networks. Local LoRa connections can reduce both time and cost of deployment considerably.

