



Vitry sur Seine



*Giacintec*  
*Mesure, Télémessure, Equipement*

Giacintec is and has always been a privately owned company. Since 2006 it has its place of business in Vitry sur Seine, France, 10 minutes from center of Paris.

The aim is to concentrate on sensors, instrument and industrial telemetry systems. Because of its strong expertise a Korean Geotechnical company asked to be represented by us.

This added geotechnical beacons to the catalogue and at that time a new technology based on distributed fiber optic sensing lines.



## Measurements, instrumentation, telemetry, fiber optics

From Indian aeronautics company to concrete factory in the US and energy power plants in several countries, we had the opportunity to provide high quality and strong reliability solutions in different parts of the world.

Each time the offered solution is a challenge and needs us to set partnership with experts to be successful.

A know how and rigorous selection of suppliers help managing the projects entrusted by end users.

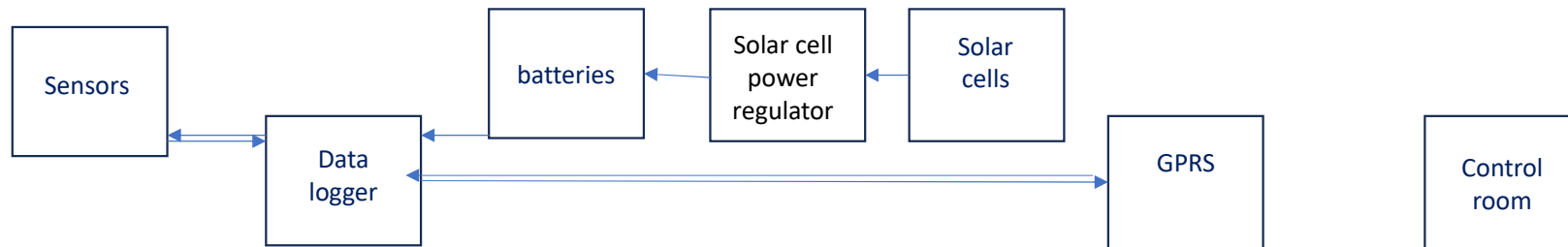
We take time to understand the wishes of our customers and invest a lot in finding the closest way to answer with the best and up to date solutions.

We, beside this, keep posted to find new technologies.

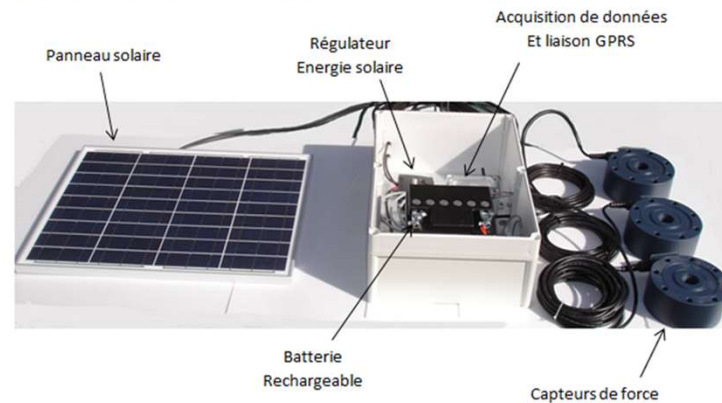
We have been requested to work on cable tension load for instance. Measuring system was to be installed in the mountain in some difficult access location.

We choose appropriate load cells and data logger along with a GPRS data transmission. Obviously a long duration battery was mandatory but solar power supply had to be used for a six month autonomy.

Data transmitter to the end user host computer without intermediate company owned cloud had to be thought and designed.



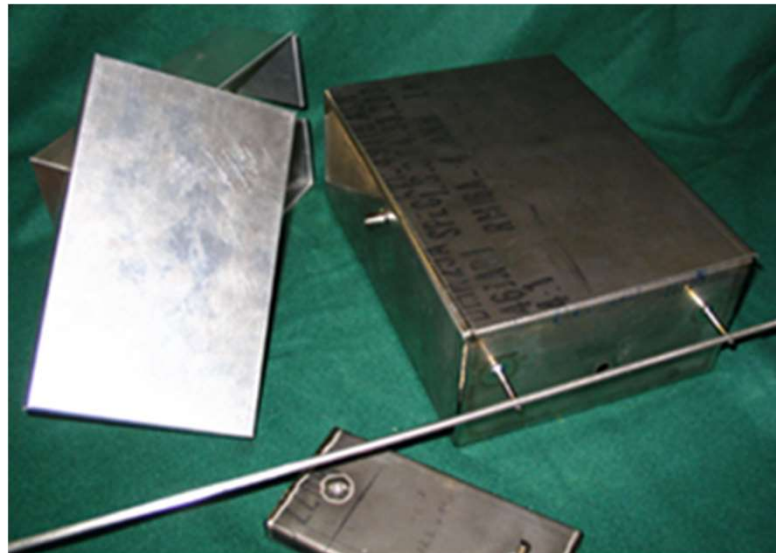
Moyen de mesure sur site de montagne



High temperature glass surface measurements : thin glass plate moving under glass heater gantry. The target was to set a telemetry system able to measure glass surface temperature in 6 location and transmit data to a data logger. As temperatures are very high, the target was to protect the electronics of collapsing during the process and, therefore to design and manufacture a protection housing.

Because glass thickness was small, the protection housing was made of titanium.

Telemetry system was designed with components withstanding 125°C and using a Lithium battery for 2 hours operation.



Telemetry systems : single and multichannel, large bandwidth per channel for dynamic measurements corelated in phase. Strength, vibrations and others.

Most of our designs are subjected to confidentiality agreements because of an use in developments. However we have been implementing our solutions in aeronautics, railroads, automotive and much more.

Our telemetry systems are analogic allowing measurements up to 20 KHz per channel and comparison of phenomenon from one channel to the other.

For instance, for strength multicomponent system, the possibility to see transient



Torque measurement system for permanent measurements on test rig.

Portable system for technical diagnostics





Geotechnical solutions based on sensing devices.

We are providing unique solutions for natural sites and engineering structures monitoring.

An expertise on sensors and transducers, the experience on measurements system architecture are the base to address the best answers but we can also get help and support from our partners.

