



Technical Presentation

« GPRS Collector »

Aug.2010

Collector V1.0 - Features

- Remote collection, thru GPRS up stream* (GSM data), of data coming from several sites of Newsteo loggers, and storage on a remote secured server
 - Avoid the trip of an operator on each site,
 - Replace the couple PC+Key or PLCAutomate+Key to collect distant data,
 - Several sites Newsteo Loggers can be managed with several Collectors, reporting to a unique data base if required
- Remotely consultation of the data, from everywhere, on any Internet navigator (with a Name account and a Pass Word)
- Transmit Alarms in real time, via SMS or Email (thru GPRS up stream)



Collector V1.0 – Installation and Management

- Installation by people without special skills
 - Compatible with the majority of Newsteo loggers already deployed (firmware update required)
 - Intrinsic simplicity
 - Robustness : auto diagnostics to limit field interventions
- The Server can be managed by Newsteo (recommended option):
 - Newsteo then offers a turn-key hosting service with secured consultation
 - Collector date and time (and associated loggers) are regularly synchronized with Newsteo server
- The server can be managed by our Customer himself:
 - Newsteo will provide dedicated documentation to facilitate customer integration and configuration of the Collector
 - Newsteo can also provide a support training on-demand, at customer's location or remotely, during installation and for configuration



Solar-powered Collector – Casing/antenna



PFPN-COL41-001

- Solar panels + internal rechargeable Battery
 - Connector for speed external charge of the battery
- Water proof robust casing (IP67)
- Full wave Antenna (radio communication with Newsteo loggers – several kilometers range)
- Internal GPRS Antenna (transmission to the server)
- Unlimited Autonomy with minimal sun radiation
- Diagnostic LEDs on the Casing:
 - On/off signaling
 - Local radio link status
 - Power status
 - GPRS link status
- Delivered with its orientable fixation (optimization of azimuth and elevation vs. Sun)
- Integrated SIM card (replaceable)



In-house Collector – Casing/antenna

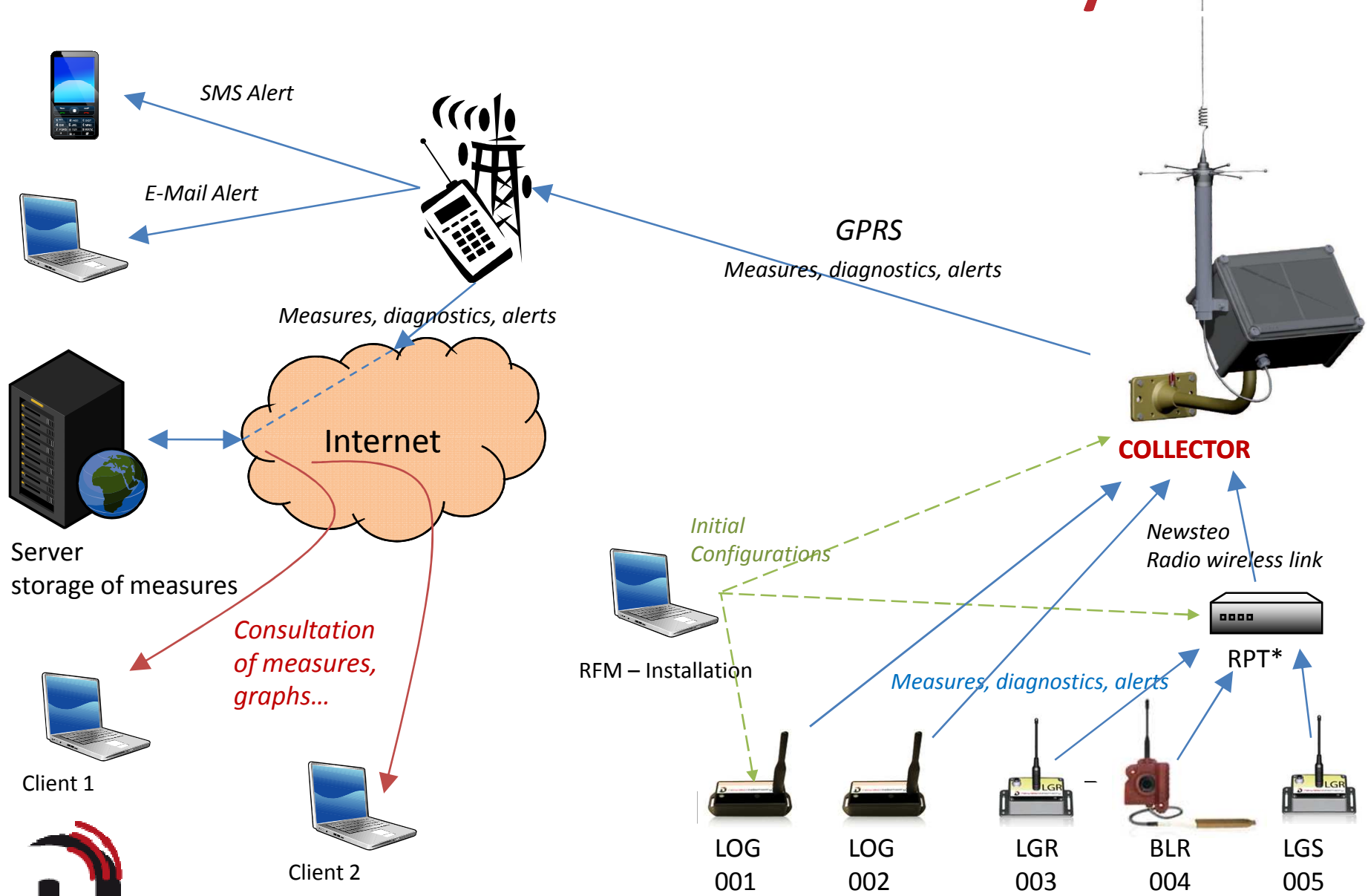


PFPN-COL20-001

- Powered thru 5V-48V DC-in connector
 - Backup Battery inside
 - Alert sent in case of power shut-down
- Water proof robust casing IP54
- Half wave antenna (radio communication with Newsteo loggers)
- Internal GPRS Antenna (transmission to the server)
- Integrated SIM card (replaceable)



Collector V1.0 – Architecture Système



*options

