

# Newsteo Collector

Bidirectional gateway

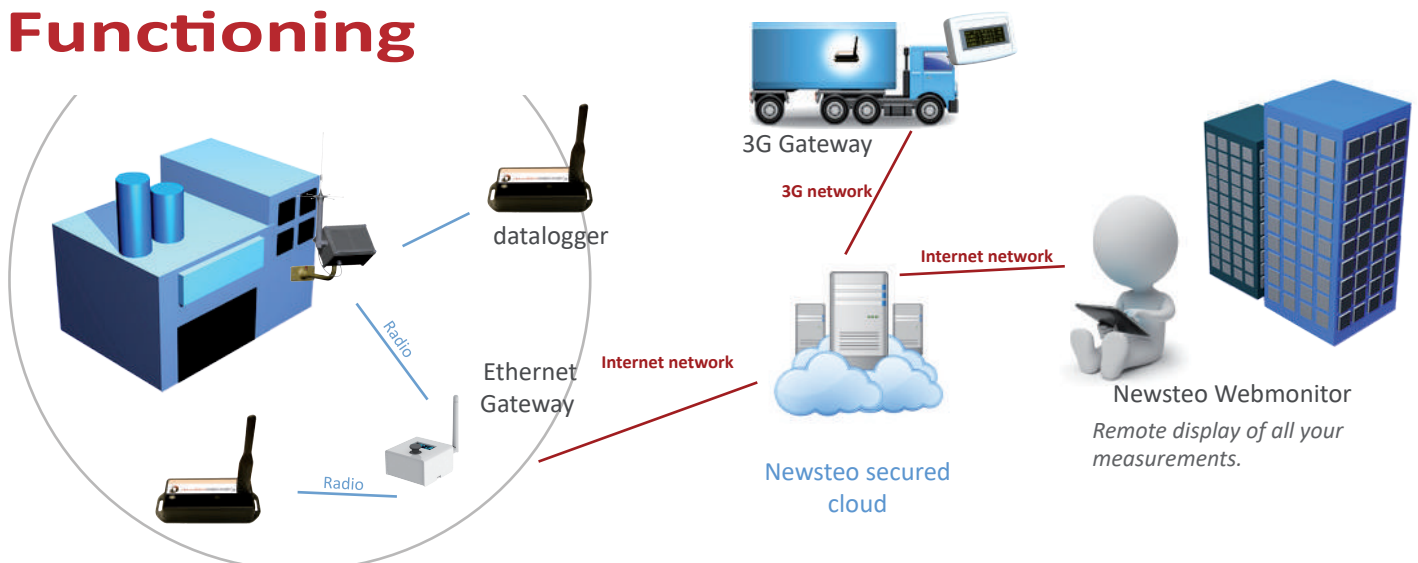


Radio to Ethernet  
or to 3G gateway  
for Newsteo data  
loggers.

The Newsteo gateway allows remote collection of data, through Ethernet or 3G, coming from several Newsteo dataloggers and storage on a remote secured server:

- The user doesn't need to go to the place where the dataloggers are to download all the measurements taken.
- AC Power supply or battery (with solar panel).
- Perfect for big areas, outdoor or indoor setup, depending on the models.
- Bidirectional transmission : data reception and remote monitoring of all the dataloggers (Dataloggers settings, changes of measurements frequency...).
- Measurements display on PC at the office, on tablet at home or on smartphone.

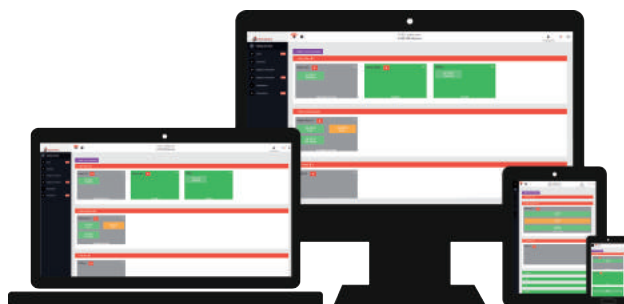
## Functioning







- The datalogger equipped with a sensor takes the measure and transmits it by radio to the Gateway,
- The collector transmits the measurements through Ethernet (IP), GPRS or 3G to a central database,
- A real-time alert can be sent anywhere to the supervisor,
- The supervisor can access at any time to the measures, via Internet on web application [www.newsteo-webmonitor.com](http://www.newsteo-webmonitor.com).

# Newsteo WebMonitor

- Web application to access to the measures and remote monitoring of Newsteo devices,
- Send alerts in real time,
- Send PDF report,
- multi-user management.



## PRODUCT CHARACTERISTICS

	PFPN-COL92-001	PFPN-GAT43-001	PFPN-GAT33-001	PFPN-COL51-001
				
Application	Indoor Ethernet	Gateway 3G	Gateway 3G for car	Outdoor GPRS

### GATEWAY-SERVER TRANSMISSION

Transmission mode	Ethernet IPv4 - 100Mbps	3G (GSM)	3G (GSM)	GPRS (2.5G)
GPRS antenna	N.A.	Internal supplied GSM antenna	Internal supplied GSM antenna	On board GPRS antenna
Subscription	ADSL subscription handled by customer	GPRS subscription + SIM card managed by customer or supplied by Newsteo		

### DATALOGGER – GATEWAY TRANSMISSION

Transmission mode	Radio ISM 868 MHz	Radio ISM 868 MHz	Radio ISM 868 MHz	Radio ISM 868 MHz
ISM antenna	High-range full wavelength antenna (and replaceable)	High-range full wavelength antenna (and replaceable)	¼ wavelength antenna included (and replaceable)	High-range full wavelength antenna
Radio range	Several hundred meters, can pass through several walls.	Several hundred meters, can pass through several walls.	About 50 meters, can operate inside a truck.	From 1 to several kilometers

### OTHER FEATURES

Embedded memory	128 000 measurements	32 000 measurements Can store the measurements in case of loss transmission with the server (ADSL cut, loss of GPRS network ...)		
Power supply	AC power connector.	AC power connector.	Car power connector.	1 individual solar panel, with 3 Lithium Ion 12Ah reloadable batteries. Autonomy of 14 days without sun.
IP level	IP30	IP30	IP30	IP67