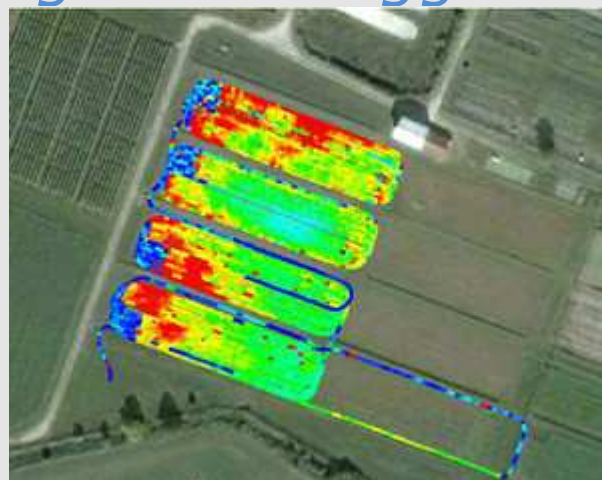


GPS-data acquisition using a data logger

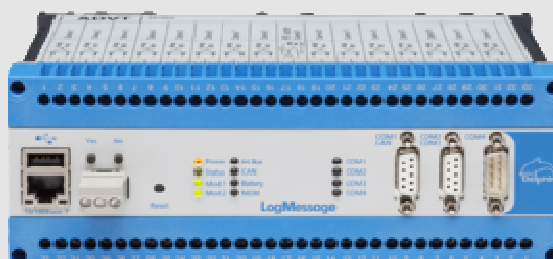


GPS-signal acquisition is a further function in Delphin's data logger. Positional fixing of **mobile applications via GPS signals** has proved to be highly popular. GPS signals are received via GPS sensors and transmitted to the data logger via a serial cable. The GPS coordinates are then processed as measurement channels. Measurement data is then correlated to a specific location.

The [ProfiSignal Go software](#) enables users to monitor data online and evaluate it offline. A range of diagram types are available for data evaluation. Google Earth maps can be integrated to show, for example, vehicle routes and other such parameters.

The [LogMessage](#) data logger is the most popular hardware. For systems that exceed 50 channels, the TopMessage system with modular slaves is recommended.

How it works



A sensor records GPS data according to the NEMA protocol. Delphin devices use this data to calculate, online and independently, degrees of longitude and latitude. The results are then available as a software channel and can be processed as required with the measurement data. The data is **continuously and securely stored in Delphin devices**. Several methods are then available to transmit (online and offline) the data to PCs for further processing.

Evaluation using Google Earth

Channel data can be transferred to Google Earth and integrated into its map representations. Channel data might include speed, consumption, performance, CO2 emissions, RPM, etc.

Automation using ProfiSignal Klicks

The [ProfiSignal Klicks software](#) can be used by users to automate their measurement procedures. Operating and monitoring objects enable users to manage, operate and monitor measurement processes as well as to generate reports.