

# BAUER SCANFleet, ConLog



## Conlog

Besides fleet management, ConLog offers a complete plant, machinery and equipment administration suite. ConLog monitors mobile construction machinery or equipment from initial acquisition to final decommissioning. Basis for the development of ConLog was the construction machinery industry, where data transmitted from machinery is required to be collected selectively for subsequent analysis.



### **Workshop servicing**

- Machine/vehicle operating hours
- Evaluation of analog operating parameters (pressures, temperatures, etc.)
- Evaluation of digital limit value deviations
- Evaluation of operating conditions reported as negativ
- Evaluation of machine fault messages
- Scheduling of periodically re-occurring checks and service requirements
- Issuing of material lists for servicing
- Storage and administration of reports on repairs and servicing

### **Disposition of machinery/vehicles**

- Transport of machinery
- Monitoring a current location
- Monitoring movements from location to location
- Protection against theft
- Clearing or blocking the movement/operation of machinery
- Establishing and monitoring of virtual geo-fences

### **Cost summaries**

- Determination of site-related operating costs
- Determination of site-related personnel costs

### **Monitoring of work processes**

- Evaluation of continuously recorded work process data
- Access-controlled provision of quality reports
- Provision of data in generally valid formats
- Implementation of client-specific evaluation programs

### **Technical Specification**

Casing:	Aluminium casing, IP 65 rating
Display:	Graphic display 128 x 128 pixels
Voltage range:	12 to 36 VDC
Temperature range:	-20° C to +70° C at 5 % to 98 % humidity
GPS/GSM receiver:	Integrated
Communication:	GSM triple-band, GPRS
Transmission:	SMS and data
I/O	8 x digital inputs of which 2 x rpm counter and 2 x directional recog- nition 8 x digital outputs 8 x analog inputs
Interfaces:	1 x CAN, 1 x RS 232
Data storage:	SD memory card
SIM card:	3 VDC
Options:	Client and user-specific software development

All of the above evaluations can be obtained simply at the touch of a button via the web platform. Machine administration costs reduce to a minimum. ConLog represents investment in the future. The initial investment costs are repaid within a very short time, as machine administration costs reduce sharply with a concurrent increase in efficiency.

### **Technical Information**

- Data acquisition: via the web or via SMS
- Data processing: central acquisition and evaluation
- Data download: by standard reports (e. g. site reports) and graphic tables
- Data transfer: in ASCII, CVS formats into inhouse information systems such as Excel, Access
- Data communication: via GPRS/GSM/SMS
- GPS satellite tracking
- Maschinery/vehicle positions are displayed on digital vector maps

GPS (Global Positioning System) is a satellite-based tracking system which enables tracking of objects on land, water and also in the air by three-dimensional positioning. When deployed in vehicles it results in an accuracy of approximately  $\pm 30$  m.

The mobile data terminal system transmits "Datapackages" via GPRS data transmission (General Packet Radio Service) or SMS (Short Message Service) short text messages via the mobile telephone network to the control centre.

As the coverage provided by the communication service of mobile telephone networks is now virtually complete across Europe, SCANFleet can not only be deployed within the "home port" of the respective construction machinery or fleet of vehicles, but throughout Europe.

Clients are able to configure their SCANFleet platform in a way which provides their partners and other important authorities with some form of access. Data stored on the central processor unit can only be accessed by way of secure authorisation.



BAUER Maschinen GmbH  
Wittelsbacherstraße 5  
D-86529 Schrobenhausen  
Tel.: (+49) (0 82 52) 97-12 21  
Fax: (+49) (0 82 52) 97-11 35  
e-mail: BMA@bauer.de