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# Monad Electronics

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# Introduction



## Winner of National Award for year 2009-2010 in R&D

Monad Electronics is An ISO 9001:2000 certified company, which has over the last 13 years been involved in the business of Exporting, designing & manufacturing, Electronics Industrial products, Testing equipments , sensors and related indicating and controlling devices and allied products related to Data logging & Acquisition.

We are specialized in providing consultancy for itemized engineering Test ring and Projects. We are also interested in taking - up the project development, recommending and mfg. sensing and related components, service providing in installation & commissioning.

We are in this field from last 13 years and also Exporting our products to USA, Germany, Belgium, Turkey, Australia, UAE and African countries. We have good track record of import substitute high end equipment development and supplying to leading industries and government institutes.

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## Crane Remote Logging And Fault Monitoring System

Monad E-Log technology offers undisputed performance in monitoring data logging. Remote communication via cellular networks ensure that you receive accurate customized data to optimise productivity. Developed with a focus on flexibility, reliability and performance. The system is easily adapted to a wide range of industries and applications. All data is presented as easy to read graphs, reports and interactive maps that can be viewed via web.

Automated monitoring is a modern solution to assist in maximizing productivity and profitability, both key components to a successful business in today's market. Data from the Monad E-Log can quickly identify usage levels and highlight areas of concern that could lead to downtime, through equipment failure, misuse or overload of your machine.

### Features

- Monad E-log is able to monitor many different types of equipment, including all types of cranes, a truly customizable, user friendly, solution for your fleet monitoring needs.
- Specifications designed to improve operating efficiency, improve time management and reduce fleet maintenance costs.

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## Crane Remote Logging And Fault Monitoring System

Single or multiple machines can be displayed & accessed via Monad E-Logs overview screen, allowing easy viewing of monitoring data covering your entire fleet or a just specified sub-set. From the overview screen, the user is able to select their individual machines to access more detailed monitoring data, relating specifically to the selected machine.

### **Easy to read**

Reports produced by Monad E-Log can also be viewed as graphical reports, enabling you to perform quick analysis at-a-glance. Graphs are colour coded allowing easy recognition of equipment operating outside of your specified safety parameters.

Easy to read lift, travel or engine reports clearly display your customised data allowing you to monitor your asset to ensure efficient and safe operations. Monad E-Log allows you to export your data to your pc to edit & utilise as per your wish. Reports produced by Monad E-Log allows you to track your equipment via web-based travel maps. Equipment movements are represented by colour coded dot points. Clicking on the map dot points generates a display of detailed data of your machines status & activity at that precise point in time.

# Crane Remote Logging And Fault Monitoring System

## Features:-

- # Ignition ON/OFF condition with Real Time
- # Fuel Level (\* Available On Request)
- # Equipment/Machine Tracking
- # Engine Hour Meter
- # Total Fuel Consumption(\* Available On Request)
- # Fuel Consumption Per Hour (\* Available On Request)
- # Route Display
- # SMS To Phone Numbers on Alarms
- # Real Time On Line Data Logging & Report Generation
- # Single User Login For All Machines

# Crane Remote Logging And Fault Monitoring System

## Alerts/Reminders:-

1 Engine Hour Service Reminder

2 SLI Alarm

- i) A2B Fault
- ii) Over Load
- iii) Over/Under Angle
- iv) Ignition ON SLI OFF

3. Over Fuel Consumption

4. GPS Fencing/Creeping

5. Engine Over Temperature\*

6. Non Schedule Engine ON or Crane Working



# Crane Remote Logging And Fault Monitoring System

## Technical Specifications:-

Network	GSM/GPS/GPRS
Band	850/900/1800/1900 MHZ
Sim Card Qty.	1
Emergency Phone No. Qty.	2
Tracking Information method	SMS/ Monitoring and Controlling Platform
Power Supply	12V/24V
GPS Module	On Board 42 Channel
GSM Module	QUAD Band 850/900/1800/1900 MHZ
GPRS Module	Multi Slot Class 10
GPS Sensitivity	-160dB
Position Accuracy	±5m
Altitude Limit	18000m
Hot Start	1Sec.
Cold Start	30 Sec.
Working Temperature	-20°C+50°C
Working Humidity	5%-95%

