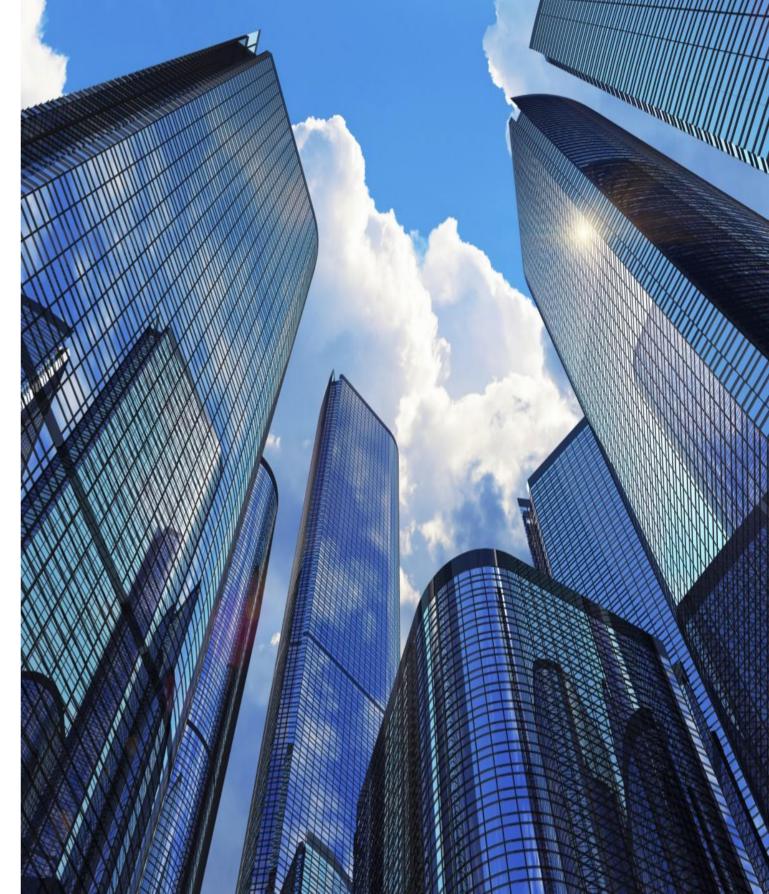
IOT REMOTE MONITORING SYSTEM FOR CONSTRUCTION EQUIPMENTS



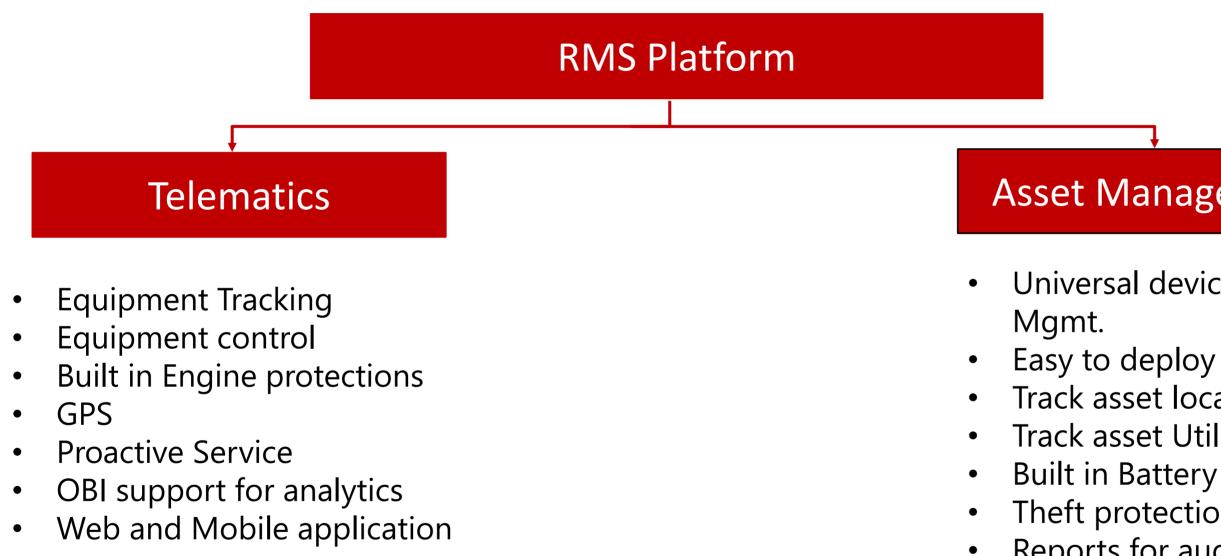
By kloudq **TALK TO YOUR MACHINES**

About Us

- Kloudq offers a wide array of innovative cloud-based Industrial IoT solutions and tailor-made SaaS solutions with the potential to empower and transform your business
- One of the leading IIoT companies in India with more than 25000+ connected devices, 1 Billion+ device hits, 60000+ hours of operation and 25+ Applications
- Flawless compatibility with a wide variety of industrial equipment, easier to adopt & adapt
- With over 7 years of real field learning, we can proudly say that our platform is one of the most robust & reliable IIoT platform in the country today.



Platforms





Asset Management

Universal device for Asset

Track asset location Track asset Utilization Theft protection Reports for audit compliance



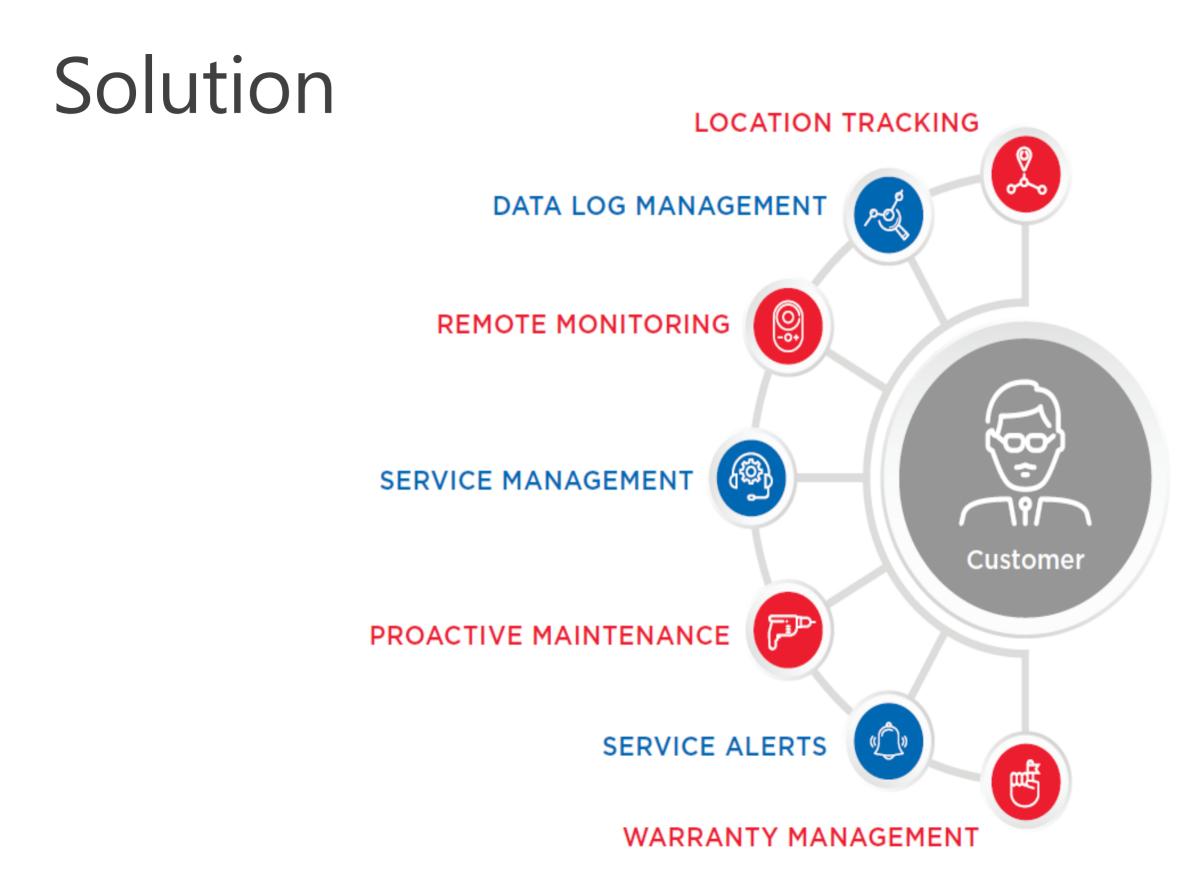
Business Challenges

- Reactive Maintenance/Service
- Sub optimal usage of equipment
- Realtime Working-versus-idle time
- Huge losses on account of Fuel Theft
- Manual Process to Maintain Log Sheet
- Realtime Asset Performance
- Real time Asset location and Protections
- Realtime Fuel Consumption
- Unscheduled downtime leads to loss of productivity













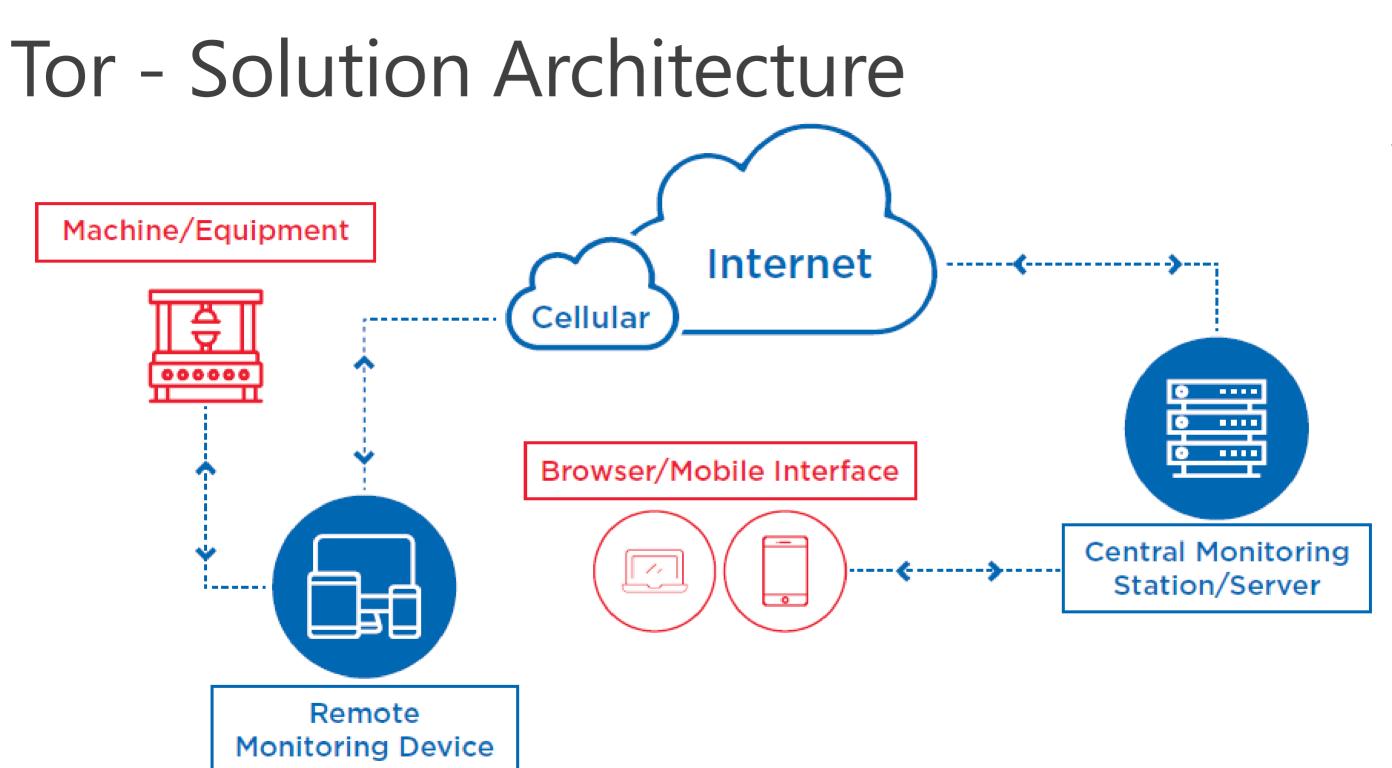
IoT Solution Features

- Productivity data analysis
- Real time data capturing
- Maintenance management (schedules)
- Reduction in resource cost Setting parameters from remote location
- Information & Data Security Hierarchy management
- Proactive alerts on product performance & maintenance
- Spares & service management
- Location Tracking
- Reach out to correct audience Advertisement





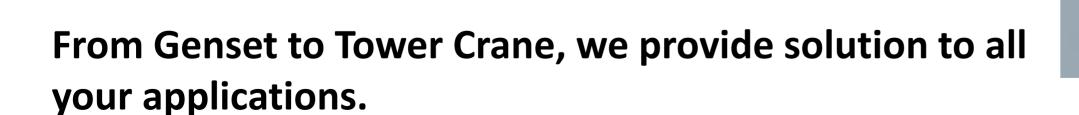




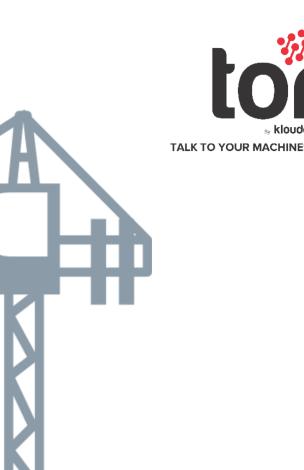












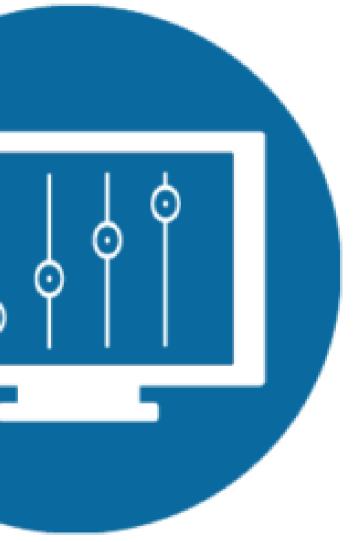


Tor - Parameters & Features

- Engine start stop
- Oil pressure monitoring
- RPM
- Engine temperature monitoring
- Oil temperature monitoring
- Water level monitoring
- Battery voltage monitoring
- Load monitoring
- Run hours
- Speed
- Fuel Level & Consumption
- Location
- Geo fencing
- Alarms & Alerts
- Fan Status
- Transmission Status

- Oil Level
- Hydraulic Pressure
- Fuel level
- Smart trip review
- On/off performance (duration)
- Data log
- Over speeding alert
- Track my equipment
- Service schedule
- Equipment health
- Daily summary
- Live performance
- Weight/load in production
- Service Management
- Proactive Maintenance
- Data Log Management
- ETC







Hardware Features

- Supply voltage -12 to 24 V continuous
- GSM/GPRS/Wi-fi
- Reverse polarity protection
- Maximum operating current: 340mA at 12V ,160mA at 24V
- GSM, GPS built-in antenna
- PSU Surge Testing- Compliance to ISO 7637 2 ,Load dump protection.
- Immobilizer (Optional)
- Load dump, high/low voltage
- Watch dog timer
- Accelerometer (optional)
- RS485 Serial port
- CAN Port
- RS232 Port
- Operating Temperature: -20 to +75 deg C
- Storage Temperature: -40 to +95 deg C
- Humidity: 95 Rh
- Vibration: 5 g
- Enclosure : IP 65
- Analog Digital I/O
- Hourmeter : Built in with accuracy of 2% , Trigger through counter or digital inputs





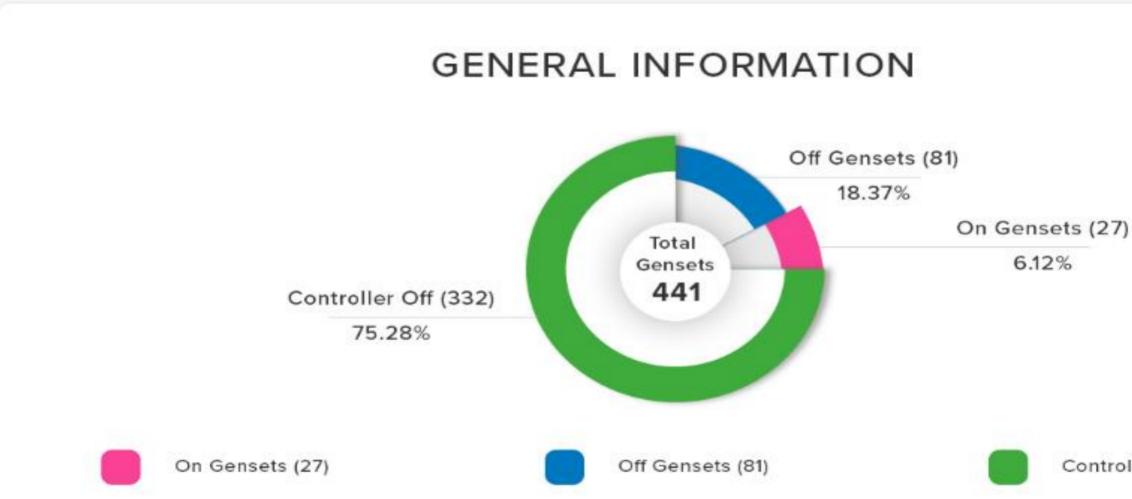


Manage Accounts

Spring Board

Dashboard MIS

Welcome, Amin2 - Area Officer

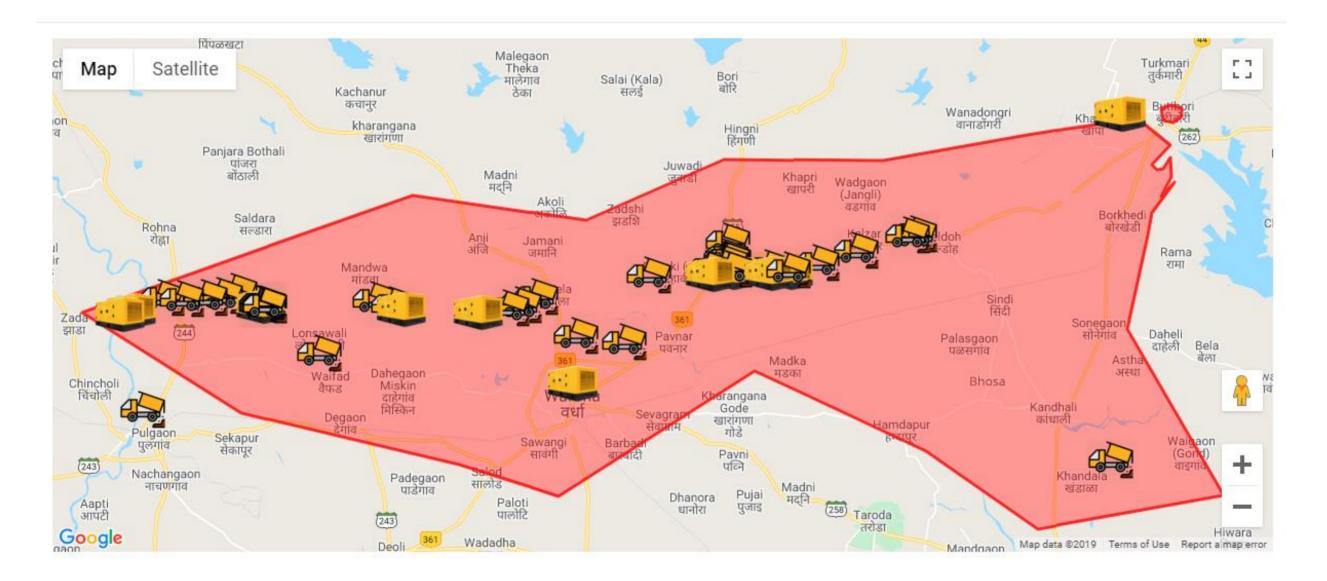




Controller Off (332)



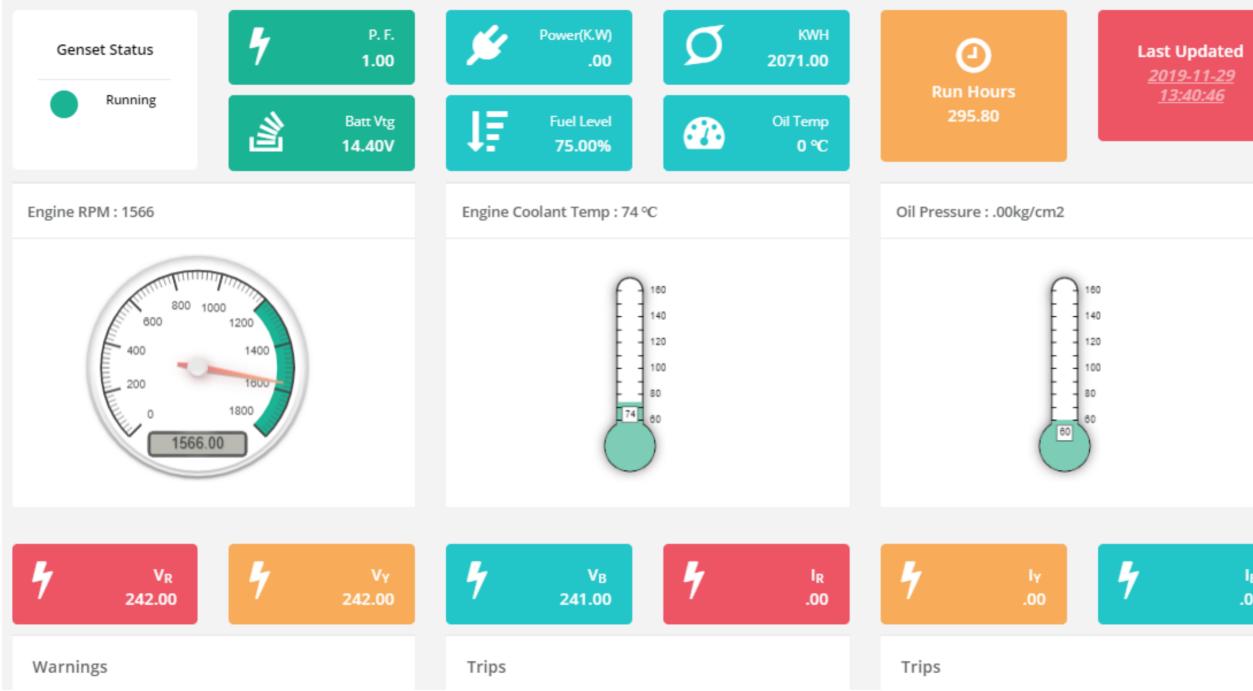
Bird Eye View





AX



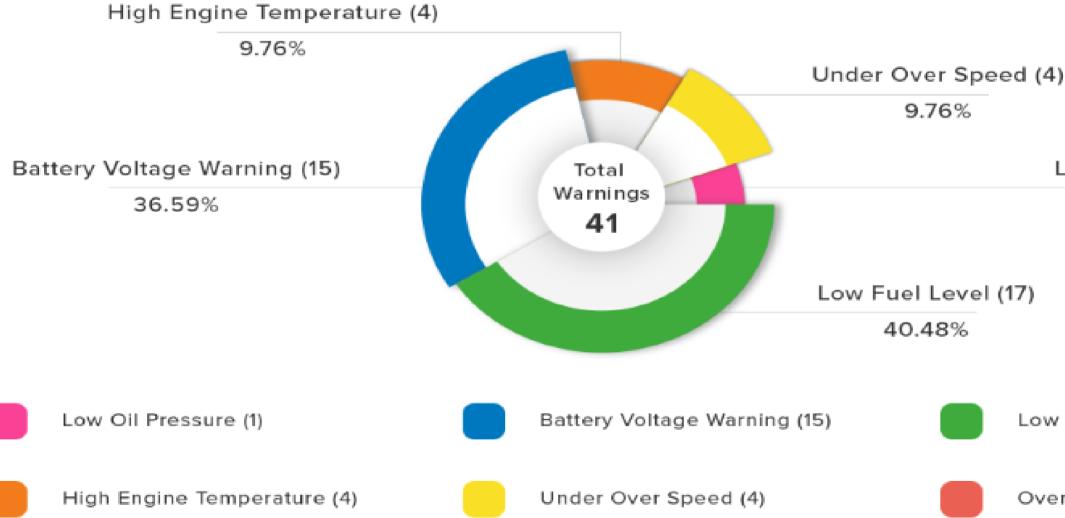




Ι_Β .00



WARNING





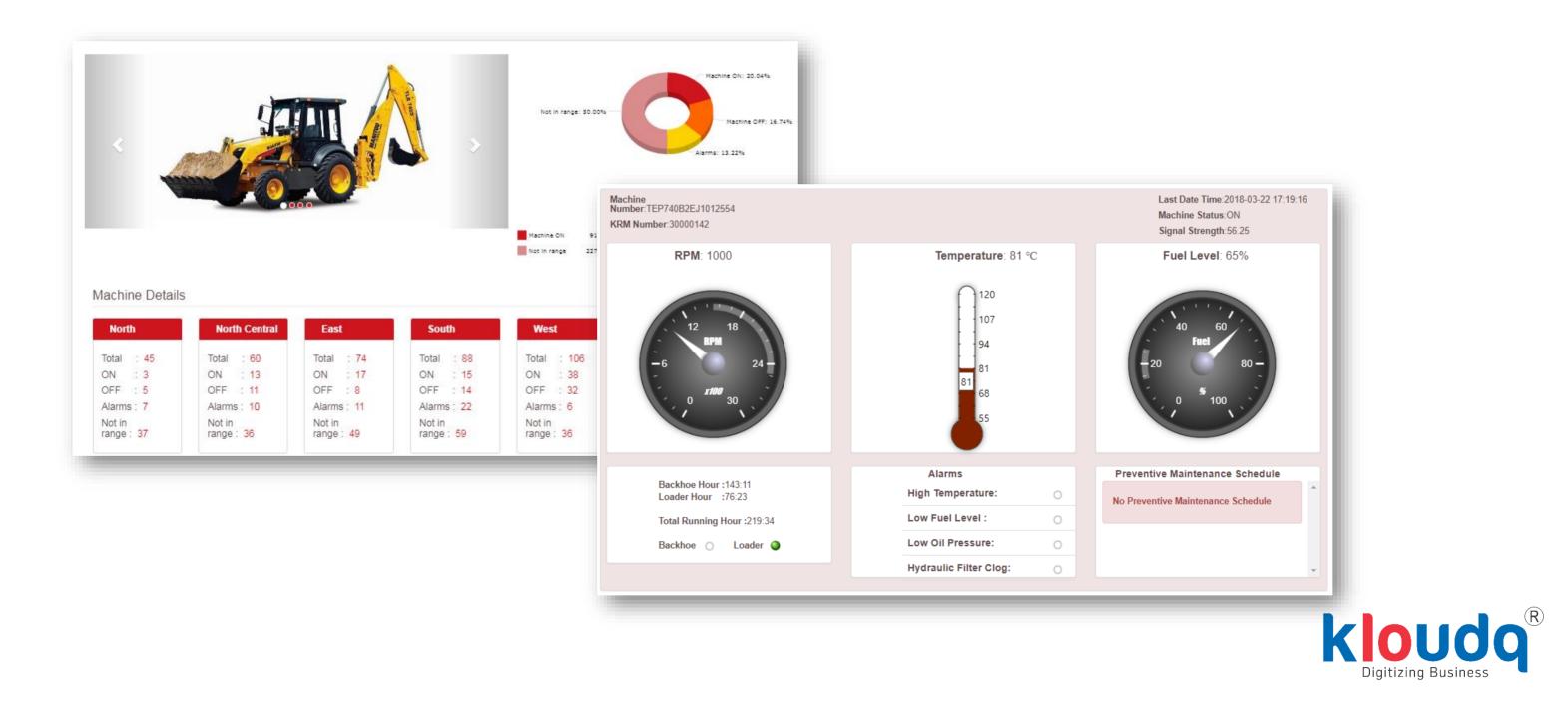
Over Load Warning (0)

Low Fuel Level (17)

2.44%

Low Oil Pressure (1)







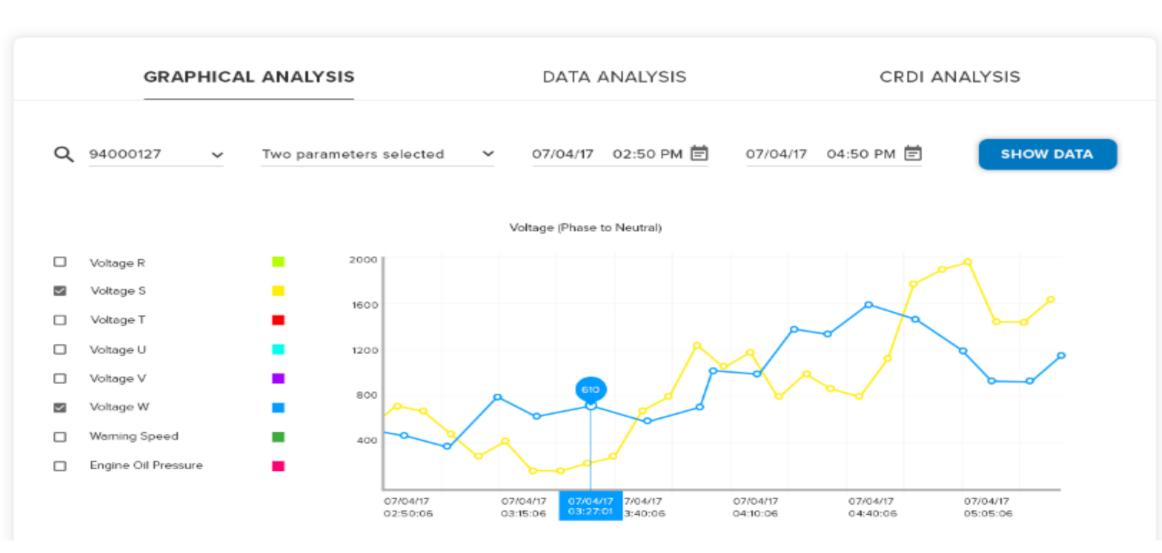
Manage Accounts

Spring Board

Dashboard

MIS

Welcome, Amin2 - Area Officer





Logut



Manage Accounts

Spring Board

Dashboard MIS

Welcome, Amin2 - Area Officer

		GRAP	HICAL	ANALY	SIS			D		NALYS	IS			CR	DI ANA	LYSIS		
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Unit ID	Clock Time	IR	IV	IB	U Voltage	V Voltage	W Voltage	UV Voltage	VW Voltage	WU Voltage	Genset Total Power Factor	Genset Total Active Factor	Engine Speed RPM	Engine Coolant RPM	Engine Oll Pressure	Oil Temp	Fuel Level	Battery Voltage
2000564	07/04/17 02:50:06	363.00	360.00	359.00	240.30	240.60	240.50	417.20	416.30	416.60	.77	207.70	1500	73	4.02	.00	.00.	28.10
2000564	07/04/17 02:50:06	363.00	360.00	359.00	240.30	240.60	240.50	417.20	416.30	416.60	.37	207.70	1500	73	4.02	.00	.00	28.10
2000564	07/04/17 02:50:06	363.00	360.00	359.00	240.30	240.60	240.50	417.20	416.30	415.60	37	207.70	1500	73	4.02	.00	.00	28.10
2000564	07/04/17 02:50:06	363.00	360.00	359.00	240.30	240.60	240.50	417.20	416.30	416.60	.77	207.70	1500	73	4.02	.00	.00	28.10
2000564	07/04/17	363.00	360.00	359.00	240.30	240.60	240.50	417.20	416.30	416.60	.77	207.70	1500	73	4.02	.00	.00.	28.10



Logut



Savings

KEY Areas	Monitoring Solution Impact	Descripti
Fuel Theft		Due to Realtime time detection of fuel the decrease
Run Hours Mismatch	Ļ	Due to Realtime & accurate monitoring of F reduced
Increased Life of Equipment	1	Due to Proactive maintenance and service uptime
Accurate parameter Monitoring	1	Due to Realtime detection of paramete equipment u
Reduced Compliance cost	Ļ	Due to daily monthly weekly reports an paramete
Support & Maintenance cost		Due to Realtime Monitoring of Equipment comparison of each days
Better Manpower Utilization & reduced cost		Due to Remote Monitoring Solution man other operations and with b
Measurement of Load carried		Reduced Mismatches loader



tion

eft huge loss due to fuel theft will be sed

Run Hours mismatch in billing will be

e , there will be increased equipment

ters solution will help in increased uptime

nd real-time information of critical ters

nt's operation. detection analysis and ys operational data.

anpower resource can be utilized on better control on asset

er weight in production

Benefits to Business

- Improved monitoring as dependency on manual checks and reporting is eliminated.
- Realtime Productivity Analysis
- Proactive Maintenance
- Direct Visibility into the Operating parameters of the Equipment
- Increased Equipment Uptime & Accurate Asset Management
- Fuel Theft alert
- Threshold breach and Downtime Alerts
- Understanding Usage Patterns
- Efficient Resource Utilization & Helps to Minimizing the Manpower Cost & Administrative Cost
- Improved Service & support
- Helps in Minimizing the Service and maintenance Cost
- Helps in Automating workflows







Our Differentiators

• End to End solution:

- \circ $\,$ Hardware design to production $\,$
- \circ Software application and Web services
- \circ Low cost of installation
- Easy to deploy
- Edge Analytics
- 99% Uptime
- \circ $\,$ Low cost solution $\,$
- Simple to operate
- Hardware Durability
- **o** Custom Application
- Tier III Datacenter management
 - **o** Database management
 - \circ Security
 - Networking, etc.
- End to end support :
 - **O Deployment & Aftersales Support**









Some of Our Esteemed Customers























HiPurity Systems





Full -Rollout







Thank You

Send us a message or visit us:

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Sales and Support:

: +91 20 66084119

: contactus@kloudq.com





