



**mobiliz**

# **READY-MIXED**

## **CONCRETE PROCESS MANAGEMENT**



**#beyondtheroad**



Manage Your Shipments  
**Remotely and in  
Real-Time!**

Monitor Ready-Mixed  
**Concrete Processes  
and Improve Efficiency  
Management**

Companies in the ready-mixed **concrete sector can track real-time delivery of their products** to customers.

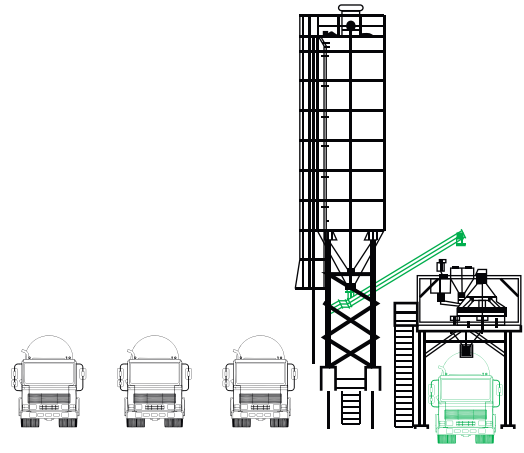
By combining GSM/GPRS-based technologies with road computer and environmental sensor data received from the vehicle, it becomes possible to achieve the following benefits:

- 1.** Instant tracking of the shipment and efficient management of the operation.
- 2.** Analysis of fuel consumption to optimize costs and reduce environmental impact.
- 3.** Analysis of driver performance to improve safety and reduce risks.
- 4.** Analysis of vehicle efficiency with trip computer reports to identify opportunities for improvement.
- 5.** Planning and management of resources to ensure timely and efficient delivery.
- 6.** Measuring the efficiency of the service provided to the customer to ensure high levels of satisfaction.
- 7.** Providing data to support environmental and occupational safety audits.

## User-Friendly Functions

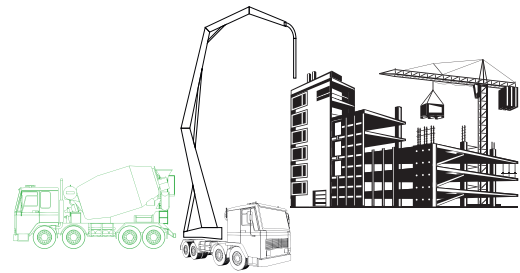
| Monitoring Concrete Discharge Points With Precise GPS Measurements | Tracking Boiler Return Movement From Production to Delivery | Special Report on Ready-Mixed Concrete Shipment and Delivery | Fuel Consumption Analyses | Driver Performance Analyses | Vehicle Efficiency Analyses | Retrospective Shipment Analyses With Plant Site Area Definitions | Alarm and Violation Definition | Third-Party Integration Capability | Integration Feature with Vekon Ready Mixed Concrete Center Management System |

The above functions are designed to make concrete shipment and delivery more efficient and streamlined. With precise GPS measurements and tracking capabilities, you can monitor concrete discharge points and track boiler return movements from production to delivery.



## Hardware

**Hall-Effect sensors are utilized to determine the direction of rotation of the boiler in a concrete mixer.** These sensors play a crucial role in monitoring the mixing and discharging process of the concrete. **By detecting the boiler rotation speed,** the number of revolutions/turns can be calculated to measure the casting speed and quantity accurately.



### Mobiliz Mixer Boiler Rotation Direction Detection Sensor

Supply voltage	: 5-30VDC
Detection Distance	: 10mm
Load current	: <150mA
Output Indicator	: LED
Probe Size	: Ø12x32mm.
Weight	: ~40g.
Operating Temperature	: -40 °C ~ +200°C
Operating Humidity Range	: 0% - 95%



### Mobiliz Rotation Direction Sensor Interface

Supply Voltage	: 9-30V DC
Dimensions	: 87,5 mm x 45 mm x 15,3
Operating Temperature	: -40 °C ~ +85°C
Operating Humidity Range	: 0% ~ 95%
2 Input - 2 Output	: 9-30V 2 x Input ~ 9-30V 2 x Output

### Supported Devices

DT430C  
DT43C  
DT435C

