ERESENSE
SenseTheWorld

EreCorp
Construction Site Fuel Automation System

EreCorp (Construction Site Fuel Automation System) is an automation solution designed to meet the demands of construction sites operating under challenging conditions. It records fuel consumption by construction equipment alongside vehicle speed (km/h), donor and receiver registration numbers, as well as both dense and non-dense quantities. The system employs a control module (CM30) in conjunction with a handheld tool (HM55) to gather data from the field. RFID cards are affixed to the windshields or positioned near the tank covers of vehicles in a manner that shields them from external environmental influences, ensuring accurate identification.

Pump Automation

Fuels dispensed from fixed pumps are documented alongside vehicle kilometers per hour and the delivery area records.

Tanker Automation Solutions

Fuels delivered from tankers are documented alongside vehicle kilometers per hour and the records of the issuing area.

Tank Automation

All fuel tanks belonging to the company, located worldwide, can be monitored from a single screen.

Vehicle Identification

Automatic vehicle identification utilizing RFID devices installed across the entire fleet of construction site vehicles, including generators.
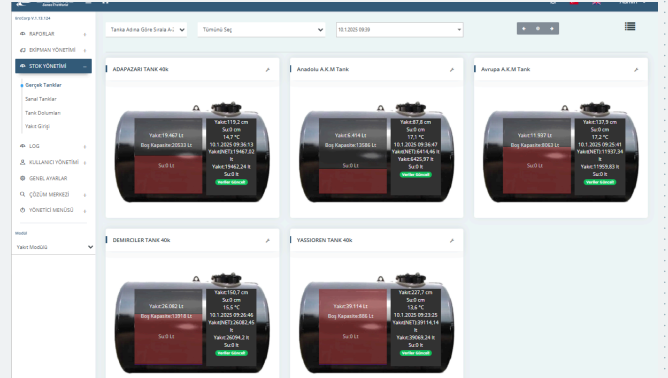
System Capabilities

- Tanker Fuel Automation
- Tank Fuel Automation
- Integration with Company ERP Software
- Site-Specific Data Columns
- Client-Specific Project Manager
- Modular Framework for Construction Site Automation
- Kilometers per Hour Data through Vehicle Tracking
- Automated Email and SMS Notification
- Live Fuel Monitoring with Virtual Tank System
- Self-Service Option

- Fuel Automation for Pumps
- Automatic Calculation of Fuel Density Provided
- Fueling Area Identification Information
- Vehicle Speed Information by Fuel Type
- Thermal Printer Receipt Output
- Thermal Printer Daily Summary Report
- Daily, Monthly, Fuel Limit Based on Consumption
- Vehicle Identification Appropriate for Construction Site Conditions
- Customer-Specific Data Entry from Hand Tools
- Tank Level Alarm Alternatives

Server software is engineered to be adaptable and scalable to meet customer requirements. The EreCorp system is specifically designed to facilitate integration with corporate ERP and accounting software, which are nearly essential for construction sites as a standard practice. Our clients can monitor their actual fuel tanks, fuel dispensed to vehicles, fuel consumption, and vehicle graphics, along with a wealth of additional information on web interfaces that are accessible globally via computers, mobile phones, and tablets. Furthermore, they can manage their vehicle fleets in accordance with construction site conditions and establish fuel limits for their vehicles. Additionally, they can receive alert notifications via SMS and email.

Termal Yazıcı Entegre CM23/CM30 Kontrol Modülü

HM55 El Aleti

Selenoid Valf

Elektronik Numaratör

Brodimetreli Tanker Sayacı

Sıcaklık Sensörü

Integrated Construction Site Solutions

✓ Company ERP Software for
✓ Construction Site Pumps
✓ Construction Site Reservoirs

✓ Vehicle Tracking Software
✓ Accounting Solutions
✓ Corporate Reports

The EreCorp system has been developed to establish a fully GSM-based communication framework, facilitating mobility on construction sites. Mobile tankers and fixed pumps are integrated into the system through the RS485 data bus, while the KM/H data of the vehicles is input via the HM55 handheld device. HM55 devices are engineered to transmit up to six data points specific to the company. Clients can utilize this data by defining additional columns in the primary software to suit their individual requirements.