

Eresense Construction Site Automation Solutions

Automated Management
Systems for Auditable
Construction Sites



EreCorp

Fuel automation for construction sites in large enterprises



EreNet

Factories, concrete manufacturing facilities, fuel automation systems



EreLite

Fuel Cloud Management Platform



Mivo

Automation of machine operation efficiency



EreInventory

Automation of inventory management at construction sites



EreWare

Automation of warehouse management at construction sites



EreOil

Automation of lubricant supply management



EreService

Construction Site Work Order - Automation of Maintenance Management



Tire Challenge

Automation of tire management at construction sites

Eresense Construction Site Automations

www.eresense.com



EreCorp

EreCorp - Construction Site Fuel Automation is a fuel automation solution tailored for contractors in road construction, dam projects, infrastructure development, excavation, and mining operations that manage extensive vehicle fleets. Alongside the fuel supplied, our clients in this sector also gain insights into mileage and working hours.

EreNet

EreNet - Factory Fuel Automation is a fuel automation solution tailored for clients operating relatively small vehicle fleets, including concrete plants, manufacturing facilities, and agricultural enterprises. Clients in this segment typically favor a system where fuel is procured by the drivers, prioritizing ease of use without the burden of intricate details.

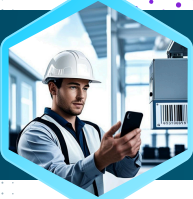


EreLite

EreLite - Fuel Cloud Management System is specifically designed for businesses with extensive vehicle fleets and limited budgets, enabling them to transfer their fuel records to a cloud-based system utilizing Excel spreadsheets. The implementation of the fuel management system requires no hardware installation.

Mivo

Mivo - Machine Operation Efficiency Automation was developed to assess, analyze, and enhance the efficiency of construction equipment on job sites. This system enables technical office teams to obtain efficiency reports based on vehicles, operators, and regions, allowing them to establish numerical targets.



EreInventory

EreInventory - Inventory Management Automation is a sophisticated system designed to document construction site equipment, allocate it to personnel as needed, facilitate maintenance and repairs, and efficiently conduct periodic inventory counts.

EreWare

EreWare - Warehouse Automation: This automation, tailored for construction site warehouse systems, records warehouse products using their production barcodes. Maintenance personnel retrieving products from the warehouse also select the corresponding vehicle from a system-defined list and log it using their own registry systems.



EreOil

EreOil - Oil Automation The quantity of oil dispensed to vehicles, along with the users involved in the transfer, vehicle mileage, and operational hours, is monitored through web-based interfaces. Pulsers and pneumatic valves are integrated into the oil pumps. All devices connect to the CM30 control module via a PLC utilizing an RS485 line.

EreService

In EreService - Maintenance and Work Order Automation, all periodic vehicle maintenance and routine or non-routine work orders assigned to users are managed through this package. Similar to fuel automation, the operational hours of all vehicles owned by the business, equipped with an RFID card, are monitored.



EreTire

EreTire - Tire Automation monitors total hours, vehicle history, revision dates, and additional information regarding tires rotated among vehicles. The system provides data on the operating hours of the tires, the vehicles they have serviced, and details related to their coating journey, starting from the point of purchase.

