

LIDAT

Fleet and plant management system



LIEBHERR

LiDAT



Always kept informed

LiDAT is a data transfer and positioning system for Liebherr machines and machines from other manufacturers. Based on state-of-the-art data transfer technology, LiDAT supplies information for positioning and operation.

LiDAT benefits

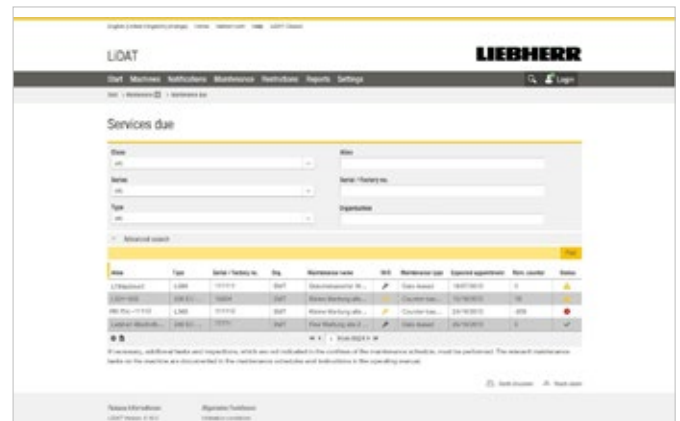
LiDAT enables efficient management, optimised operational planning and monitoring of the machines remotely. LiDAT can be used to view all important data at any time. The data is updated several times a day and can be called up whenever needed by means of a web browser. Particularly important information, such as messages regarding certain operating conditions and operating parameters, can be sent to your e-mail account if needed.

Positioning by GPS

- All machines at a glance
- Position determination several times per day via GPS
- Quick identification of machine using concise information on the map
- Efficient planning of service, deployment and refuelling
- Quick localisation of machine even when switched off thanks to integrated rechargeable battery

Service information

- Status reports about machines can be read on the screen at any time
- Information about critical machine states is transmitted immediately
- Notifications by e-mail possible
- Intelligent maintenance planning for maximum machine availability
- Optimally planned and prepared service and repair work with required spare parts
- Individual reminder function for additional customer-specific maintenance intervals

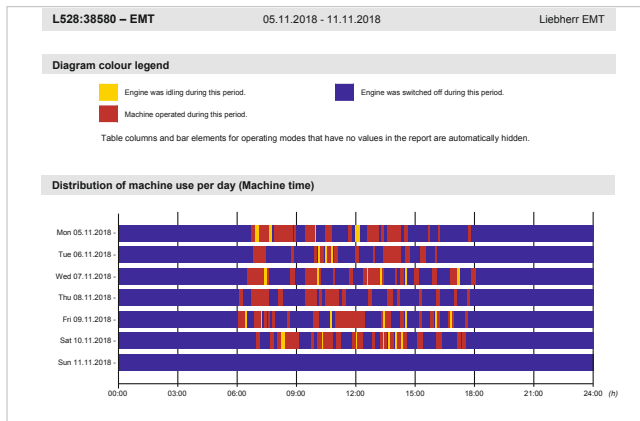


Productivity

- Information about machine usage and degree of utilisation
- Log of actual machine usage
- Display of start/stop times, idle/working/driving times per day
- Increased economic efficiency of the machinery
- More efficient use of the machine

Geographic and temporal monitoring

- Individual definition of permitted working time for machine/construction site
- Spatial monitoring with freely defined area
- Immediate notification if used outside regular work times
- Notification, including by e-mail, if defined borderlines are crossed, even when the machine is switched off, thanks to integrated rechargeable battery



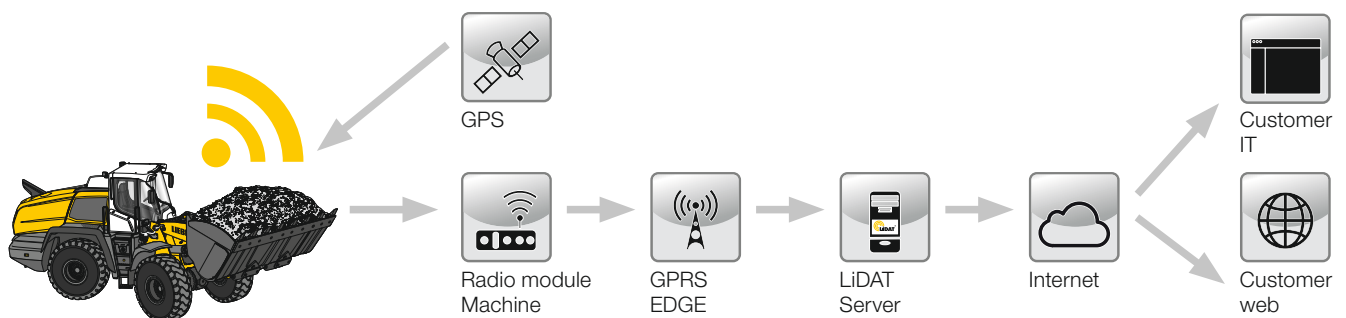
Interface solution

LiDAT web service Interface

- Machine raw data transmitted directly to customer's own system
- Planning, coordination and invoicing tasks simplified and optimised by integration of full data volume into customer's IT system

AEMP web service Interface

- AEMP is a generally valid standard web service with a precisely defined data volume which cannot be changed
- AEMP includes GPS position, operating hours, fuel consumption over last 24 hours and in total
- Automated pickup of machine data via API (Application Programming Interface) web service



Overview of advantages of LiDAT

Customer

- Documentation of work assignments
- Increased availability thanks to shorter repair downtimes
- Quick support from the manufacturer
- Optimised efficiency of machinery thanks to insight into distribution of operating conditions and times
- Comprehensive fleet management under one umbrella
- Planning reliability through transmission of geographical location and machine utilization
- More efficient use of the machine for longer service life

Lessor

- Precise tracking of machine
- Daily updated online reports on capacity, utilisation and use of machinery
- Fleet management for different machine types including external machines
- Flexible composition of fleets by grouping (e.g. per construction site)
- Increased security through area delimitation (GeoFence) and fixed working hours
- Straightforward calculation basis for rents
- Clear utilisation basis for entire fleet of machines
- More efficient use of the machine for longer service life

Customer services

- Reduction of deployment costs
- Optimisation of spare parts management
- Service cost reduction through direct and/or quicker access to the machine
- Maintenance planning adapted to machine availability
- Automated and individually configurable service interval notices

(Note: The data transmission is dependent on the network coverage)

The Liebherr Group of Companies



Wide Product Range

The Liebherr Group is one of the largest construction equipment manufacturers in the world. Liebherr's high-value products and services enjoy a high reputation in many other fields. The wide range includes domestic appliances, aerospace and transportation systems, machine tools and maritime cranes.

Exceptional Customer Benefit

Every product line provides a complete range of models in many different versions. With both their technical excellence and acknowledged quality, Liebherr products offer a maximum of customer benefits in practical applications.

State-of-the-art Technology

To provide consistent, top quality products, Liebherr attaches great importance to each product area, its components and core technologies. Important modules and components are developed and manufactured in-house, for instance the entire drive and control technology for construction equipment.

Worldwide and Independent

Hans Liebherr founded the Liebherr family company in 1949. Since then, the family business has steadily grown to a group of more than 130 companies with nearly 44,000 employees located on all continents. The corporate headquarters of the Group is Liebherr-International AG in Bulle, Switzerland. The Liebherr family is the sole owner of the company.

www.liebherr.com