

Optimise your performance with big data analytics

LiDAT® smartApp is an IT solution which supports operators in analysing and optimising cargo handling processes, performed by Liebherr cranes. The main focus is to make the processes faster, more environmentally friendly and more cost efficient. LiDAT SmartApp gives a full overview of the equipment status and the process in real-time. By allowing detailed analysis the web application shows up starting points to improve the efficiency of cargo handling processes.





Analysis

Detailed analysis of cargo handling process in real-time



Web app

Intuitive web application, available for different devices



Web service

Connect the smartApp to your own IT infrastructure



Optimisation

Identification of starting points for optimisation activities



Tracking

Comprehensive, informative data collection on process and machine statuses



Direct access

Information obtained directly from crane control system, rather than from external sensors



Comparison

Direct comparison of multiple cranes during definable time periods

Benefits

01 Increased turnover efficiency

On basis of an automatic work cycle detection significant key performance indicators are calculated, which help to analyse turnover processes in order to optimise them and to use the full performance of the crane.

02 Cost saving

Optimised turnover processes, projectable downtimes for refuelling and maintenance work minimise standstill times and save costs.

03 Eco-friendliness

Efficient turnover processes and reduced hours of non-productive operating minimise the impact on the environment.

04 Increased resale value

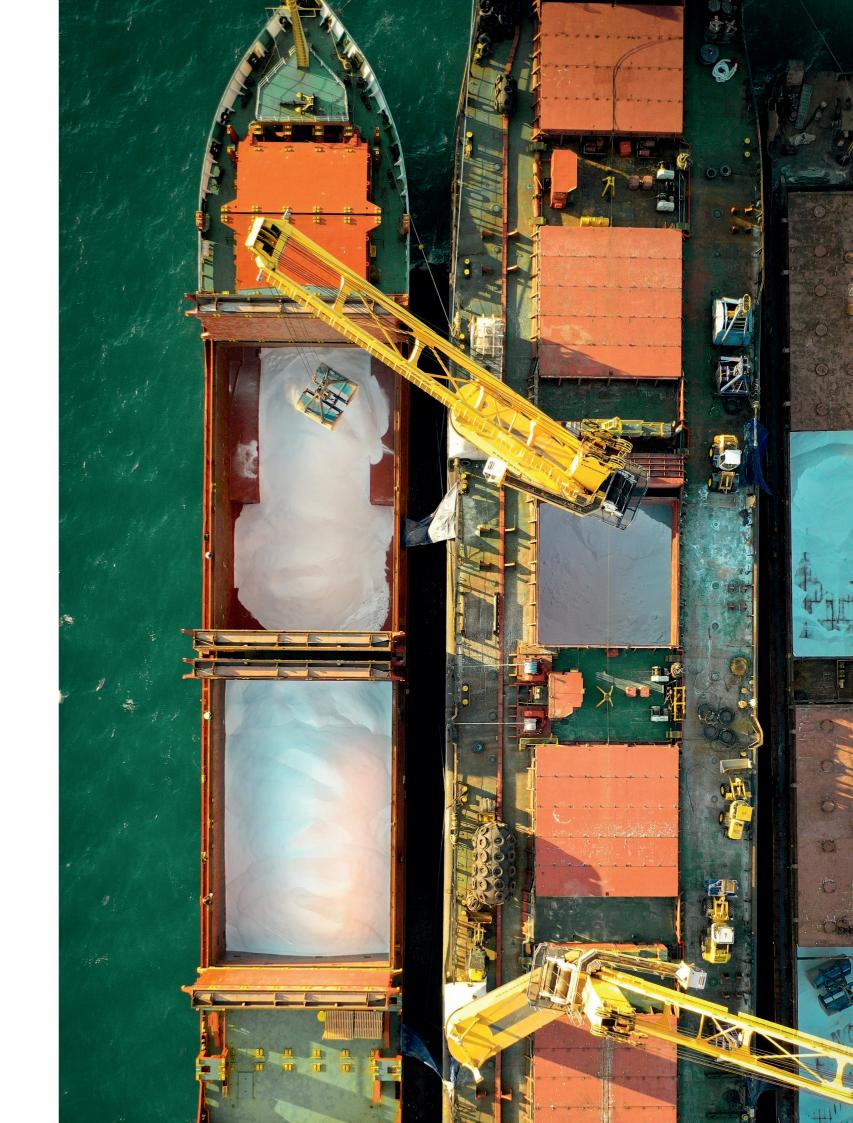
Less operation hours plus scheduled and realised maintenances increase the resale value of the crane.

05 Good process and machine overview

Dashboards for machines and definable process timeframes plus a bunch of relevant reports help to keep the overview to draw conclusions and to make decisions.



ISO certification Scan the QR code for more information.

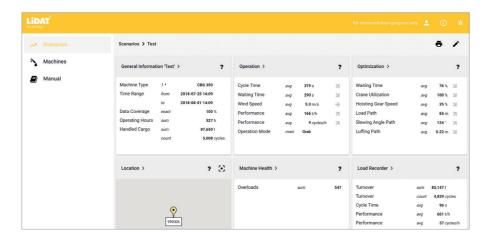


Packages and features

Basic

Features

- Dashboards with basic machine and process data for a quick and easy overview (e.g. current location, handled cargo, operation hours)
- Basic operational key performance indicators
- Relevant data put into graphs
- Reports relating to basic machine data, machine use, safety aspects, messages from the machine control, maintenance and cargo handling



Optimisation

Features

- Extended dashboards relating to operational and optimisation key performance indicators
- Extended reports relating optimisation key performance indicators
- Load Recorder data analysis



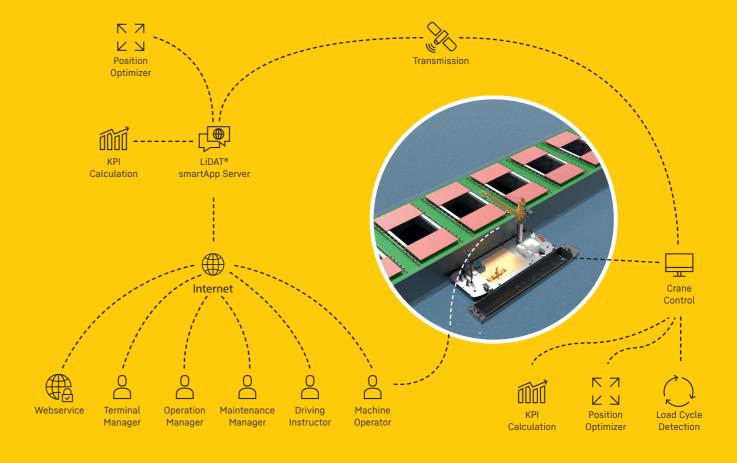
Maintenance

Features

- Extended dashboards relating to machine operation hours, filling levels and temperatures
- Extended reports relating to filling levels and machine operation hours
- Operation Monitoring



Technical description



The relevant data generated and preprocessed by the crane control system during operation are transmitted by the established LiDAT® Technology to the LiDAT® smartApp server to be stored and preprocessed. Authorised users can access and download the processed data via LiDAT® smartApp, a software solution which is designed as web application. Liebherr handles the setup and support of the transmission link, hosts the data and maintains the software during the active user subscription.

LiDAT® smartApp - Big data analytics