LiDAT® smartApp
Smart up your performance

18th ASEAN Ports & Shipping
Jakarta – Indonesia
2020

Using Analytic Tools to Make Sound Business Decisions

Trends in cargo handling and automation solutions for ports and terminals.
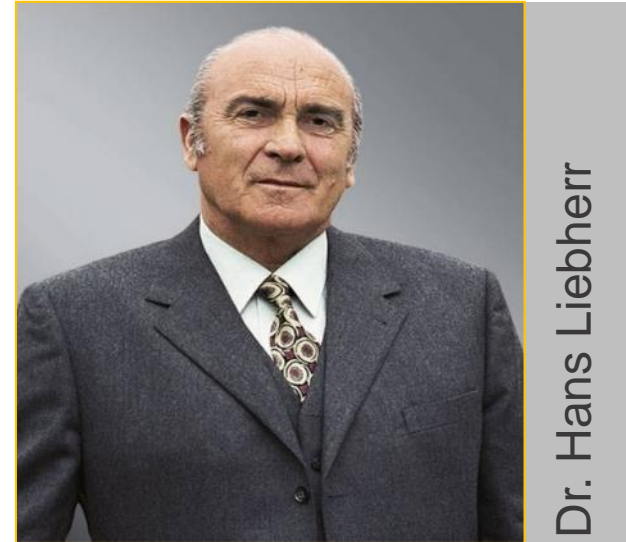
Presentation outline

- Company Overview

- Challenges in Age of Digitalisation

- Introduction of LIDAT smartApp

  - Types of Packages

  - Features & Applications

  - Video Presentation

LIEBHERR

Liebherr – a Family Business

- Company founded in 1949 by Dr.-Ing. E.h. Hans Liebherr

- The Liebherr Group today:

  - over 146 companies worldwide

  - almost 46,169 employees

  - Approx 600 experienced, multi-skilled and factory-trained service engineers

  - More than 50 service centre around the globe

  - approximately € 11.5 billion turnover (2019)

- Consistent annual investments of up to 10% of turnover in production sites, sales and service organisation – to serve our customers better

- Decentralized structure with straightforward, autonomous corporate units – divisional structure

- Holding company:
  Liebherr-International AG, Bulle/Switzerland

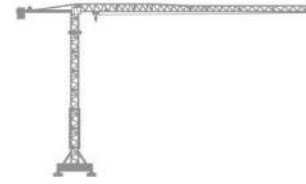Dr. Hans Liebherr
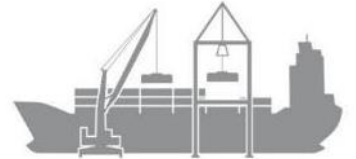

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Multifaceted product range

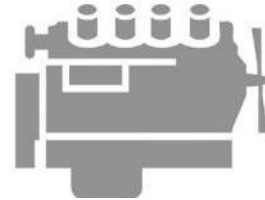|					
Earthmoving	Mining	Mobile Cranes	Tower Cranes	Concrete Technology	Maritime Cranes

Aerospace and Transportation Systems	Machine Tools and Automation Systems	Domestic Appliances	Components	Hotels
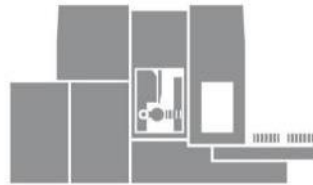
INTEGRATION OF EXPERTISE
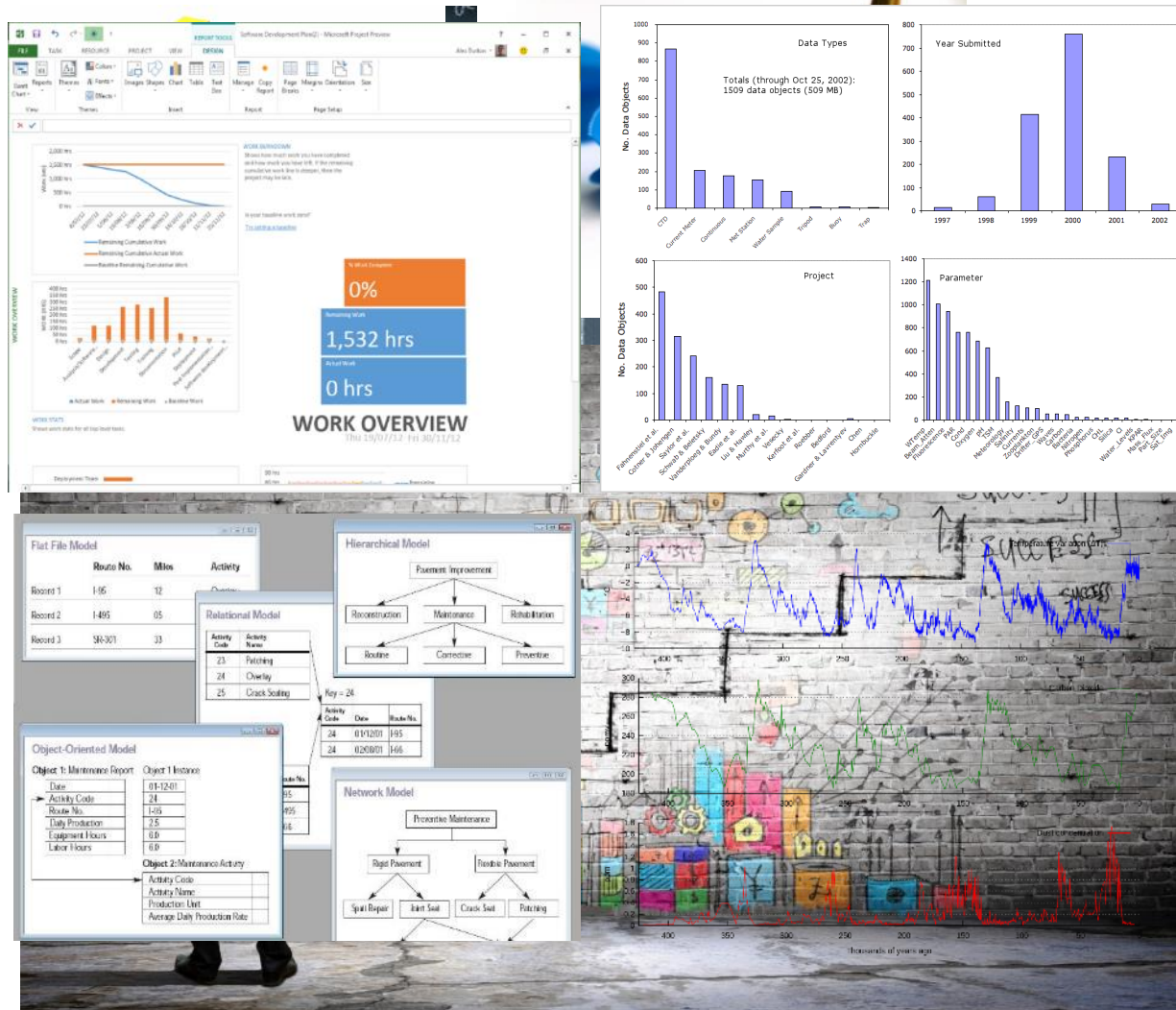## Long-Term Parts and Service Support

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Maritime Production Network

Liebherr-MCCtec Rostock GmbH

Liebherr-Werk Nenzing GmbH

Liebherr-Sunderland Werks Ltd

Liebherr Container Cranes Ltd.

Sunderland / Great Britain
Liebherr Sunderland Works Ltd.

Rostock / Germany
Liebherr-MCCtec Rostock GmbH

Killarny / Ireland
Liebherr Container Cranes Ltd.

Nenzing / Austria
Liebherr-Werk Nenzing GmbH

28.02.2020   **LIEBHERR**
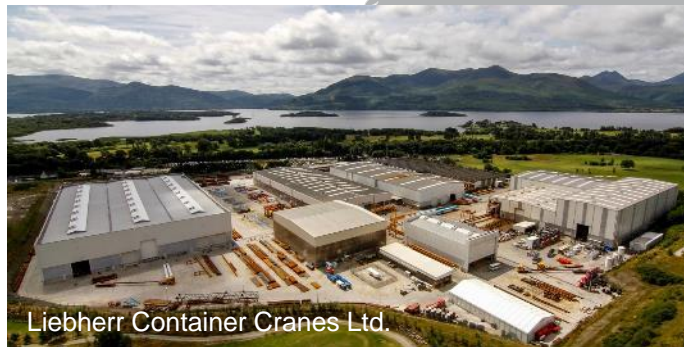
Age of Digitalisation - Abundance of Available Data

- **Information level - Abundance of Data**
  - Numbers are everywhere in our lives, e.g. system reports, past statistics, live machine data, etc
  - LACK of right tools to covert these statistics into useful information which we can take action upon

- **Hidden Potential - Improving Work Processes**
  - Properly represented data are more than just numbers
  - Machine trends – Improve MTBF, increase servicing interval, enable predictive maintenance, etc

- **Objective - Leveraging on Right Information**
  - Getting the right information at the right time
  - Using these TARGETED information to increase efficiency & better profitability

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Converting Raw Numbers into Machine Knowledge

- **Big Data Analysis**
- Value added data – Available on demand and real time data for customers
- Focus on making useful data instead of volume of data
- Breaking down the numbers into key performance indicators (KPIs)
- Study machine trends to improve work processes
- Reduce total cost of ownership

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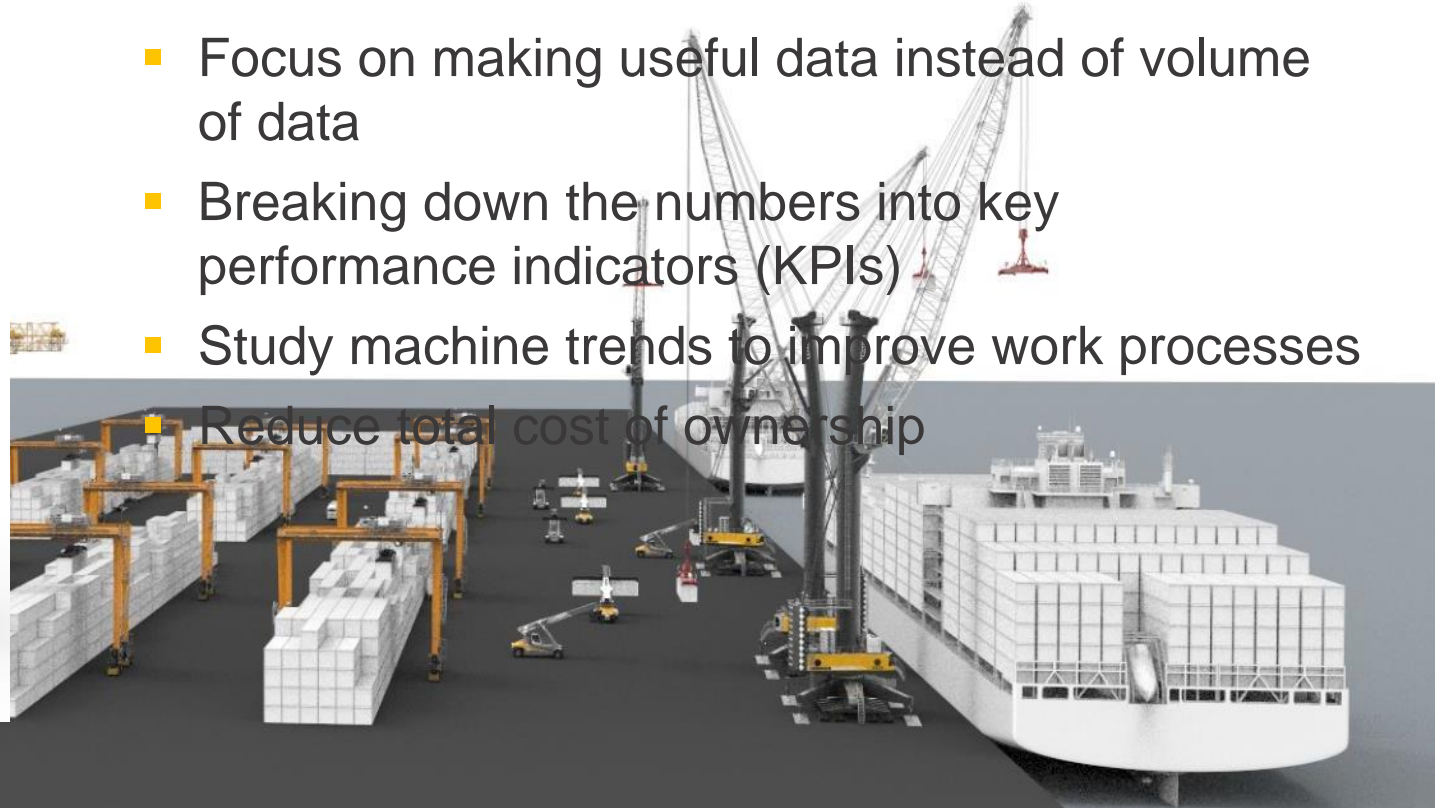
Solution – LiDAT smartApp
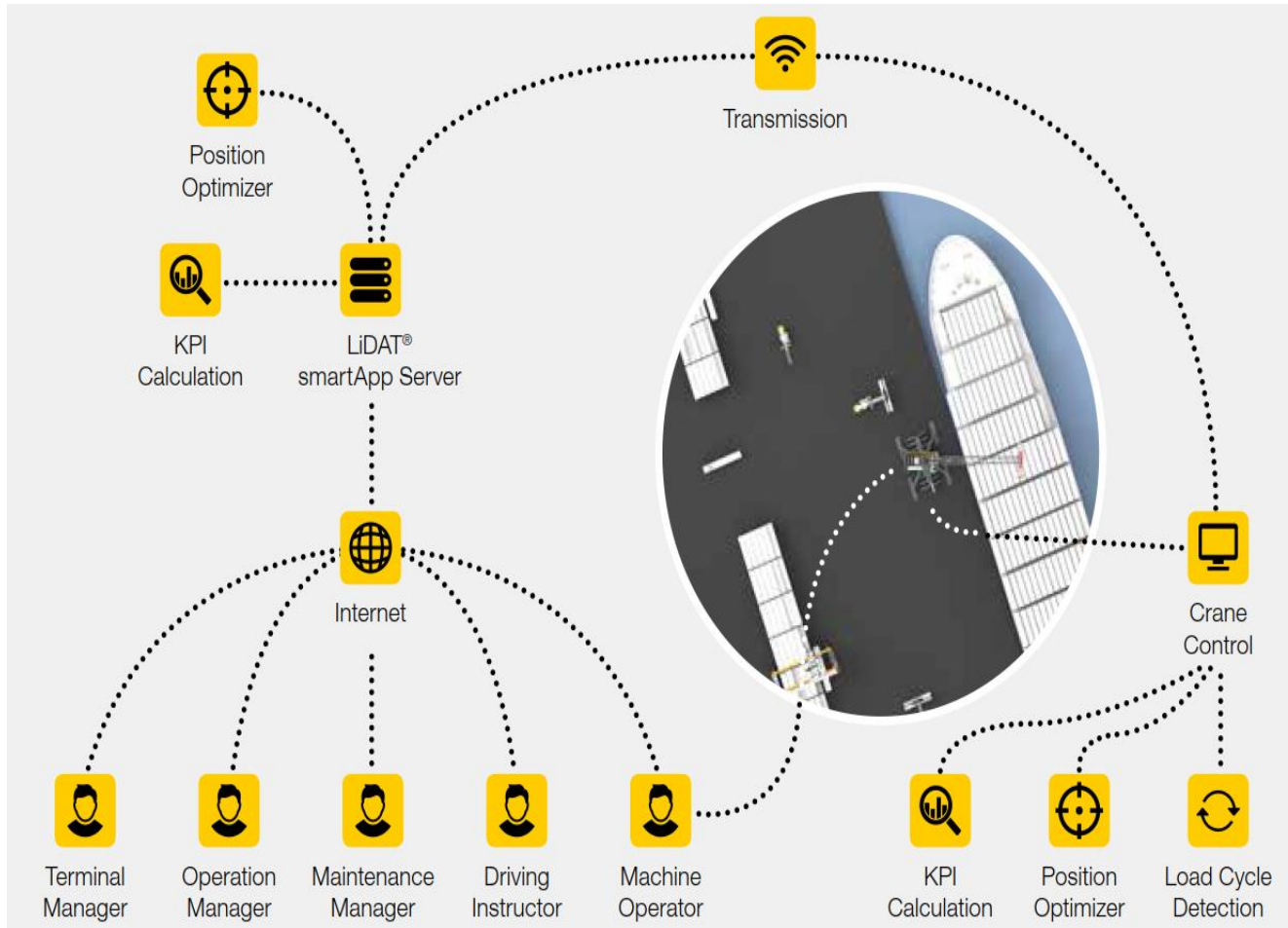
- Relevant data transmitted to the LiDAT® smartApp server to support operational, maintenance and optimisation needs

- Authorised users can access and download the processed data via LiDAT® SmartApp on PC and mobile device – Graphical display

- Users accesses customised performance report, fuel consumption, turnover, crane utilisation, machine alerts, service status, etc.

- Users make immediate sound decisions, e.g. defining rental rates, crane positioning, unloading paths, operators' deployment, refuelling window, fleet management, maintenance planning, etc.

- Teleservice and remote support

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Customised Real-Time Status Report
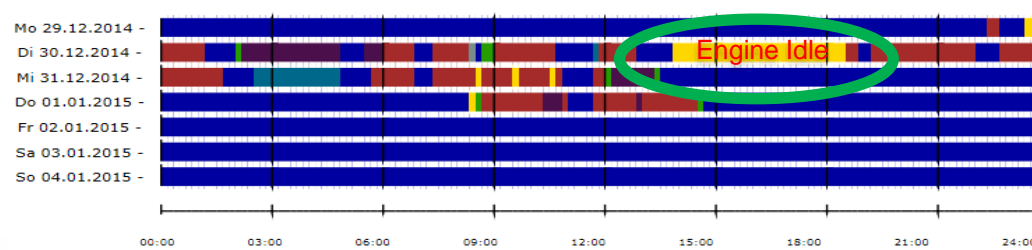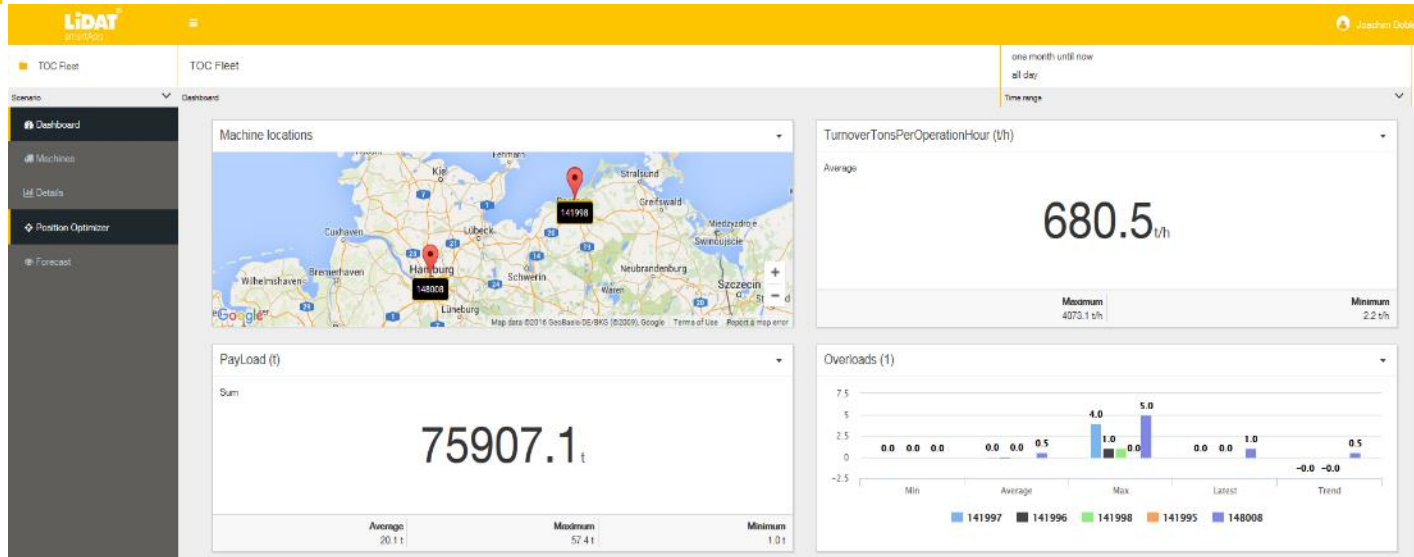
Status reports

- Customise your dashboard (KPIs)
- Monitor your cargo handling process in real time, e.g. turnover, engine fuel consumption, overloads, machine location, type of operations, etc

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Customised Intergrated Planning

**Equipment & Operators' Deployment Planning
(Across different equipment type)**

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booth *No. 14*

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