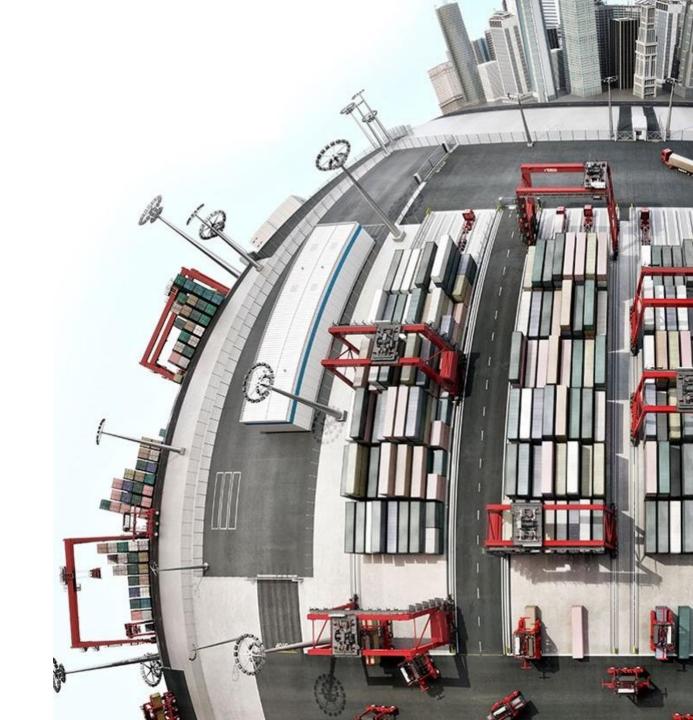


Shaping the industry through intelligent cargo handling

- We have continued to improve our profitability
- Services provide the biggest medium term growth opportunity
- Industry mega trends support long term growth in automation and software
- We have a unique position to leverage our references to grow automation and software



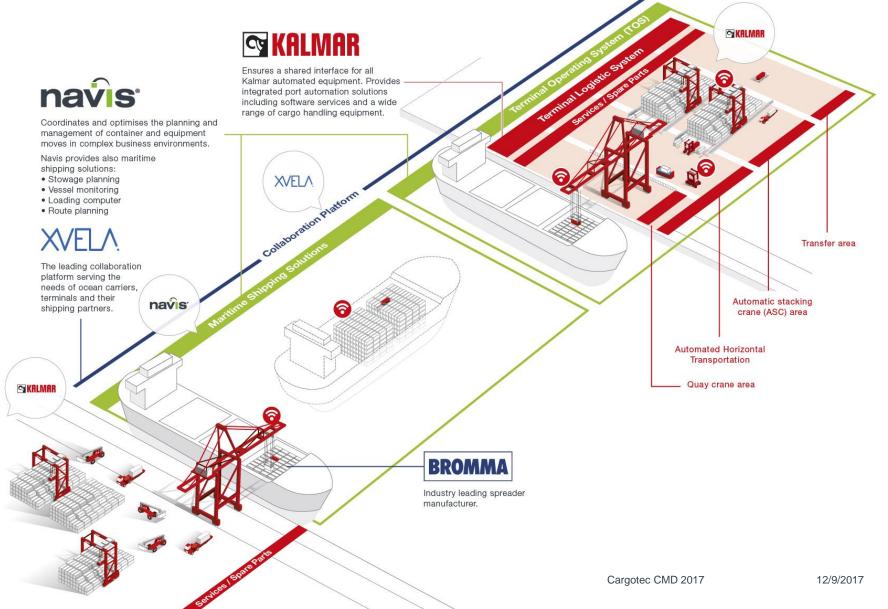


Kalmar in brief and results after CMD 2015



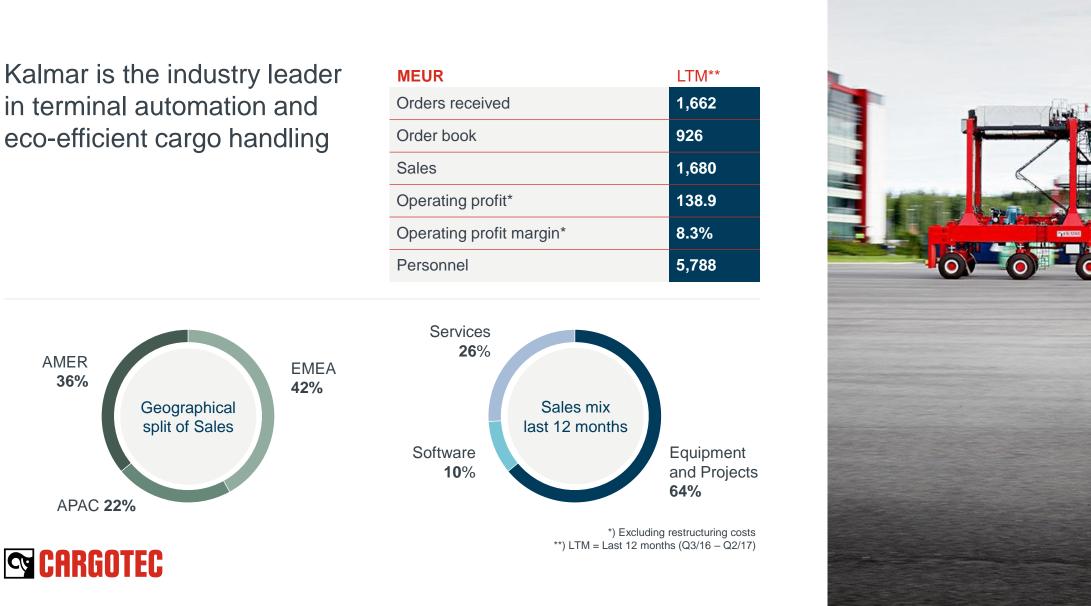


We deliver industry leading solutions





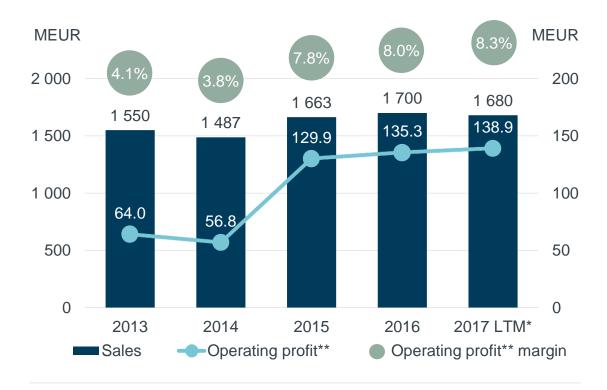
Industry leader

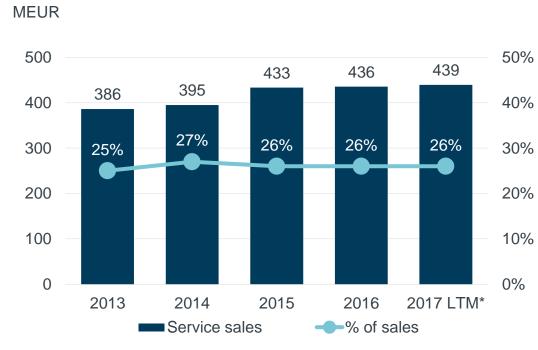


ZEROSMISSION



Our profitability improvement has continued





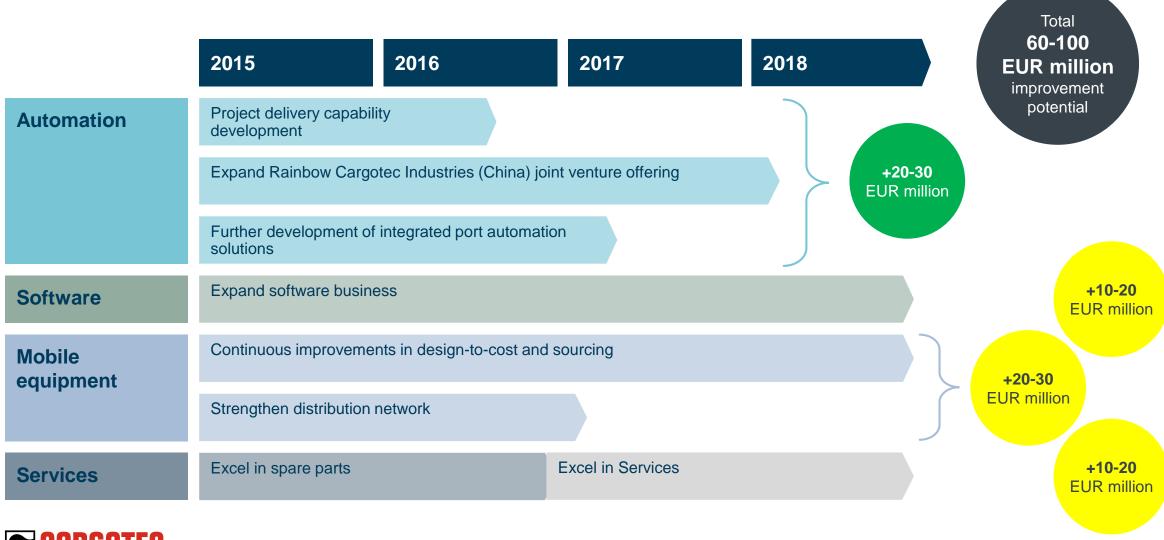
- Improved mega-project delivery capabilities
- Software growth
- Zero emission solutions

- Market leader in China for Reachstackers and Empty Container Handlers
- Absolute € based service growth



6

Our profit improvement potential 2015-2018





Cargotec CMD 2017

12/9/2017

Services provide our biggest medium term growth opportunity



Market share

Equipment & Projects

20-30%



Software

20-30%



Services

3-5%

Market size

6B€

0.5-1B€

8B€

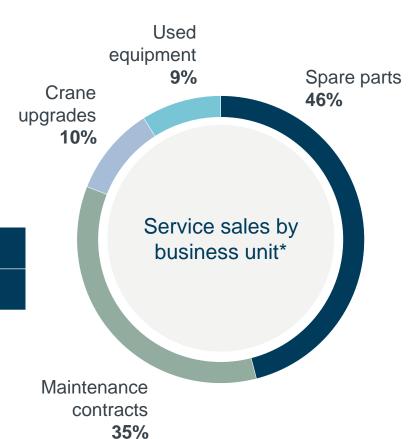


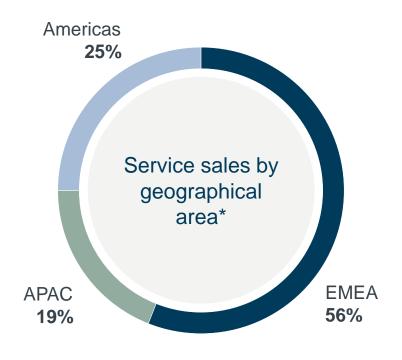
Future focus on maintenance contracts

Customer segments:

Ports and terminals, distribution and industrial handling

MEUR	LTM*
Service orders received	425
Service sales	439







*) LTM = Last 12 months (Q3/16 - Q2/17)

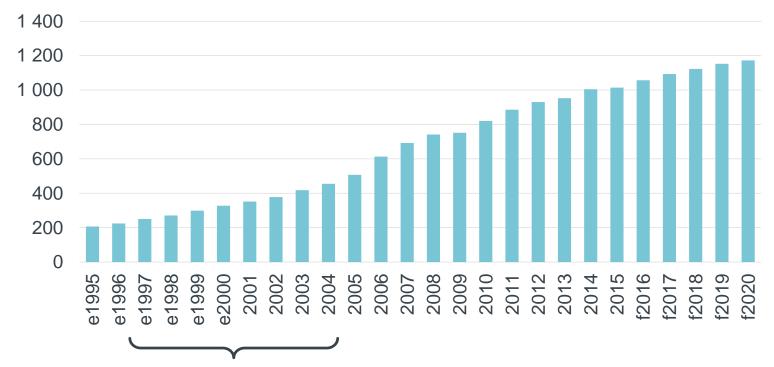
We have the industry's widest global sales and service network to capture growth





The current replacement market size for key terminal equipment is EUR 1 billion annually and the market is expected to double in the next decade

Total Capacity MTEU



The replacement market will grow in coming years, as the container terminal capacity has expanded significantly during the last two decades.

Average lifetime of type of equipment:

- STS 25 yrs
- RTG -15 yrs
- SC 8-10 yrs
- RS/ECH/TT 8 yrs

Replacement after lifetime of equipment



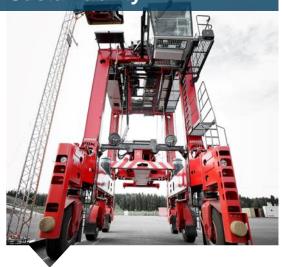
Industry mega trends support long term growth in automation and software

Mega vessels



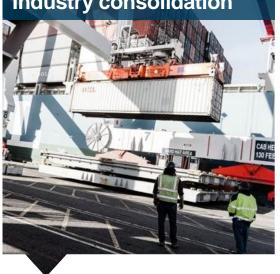
Efficiency demands increase as marine transport continues to grow. Larger ships require capacity improvements from port operators.

Sustainability



Strict emission requirements & growing concern for the environment increase the demand for more intelligent machines with smaller environmental impact.





New alliances between shipping lines are impacting container traffic flows and setting new efficiency standards for port operators.



Digital and automated solutions provide new possibilities for port operators to improve efficiency, safety and sustainability.



Business case for automation has not changed since CMD 2015

Cost saving example in a typical automated terminal

Indexed P&L manual terminal*

When converted into an automated operation:

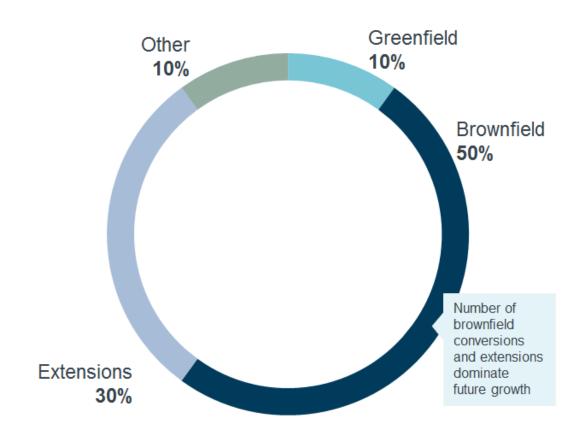
Revenue	100			
Labour Cost	40	•	60% less Labour Costs	16
Maintenance	8	•	20% less Maintenance	6.5
Power & Fuel	4	•	25% less Power & Fuel	3
IT	2	(2)	50% higher IT	3
Depreciation	10	•	30% higher Depreciation	13
Other Costs (land, overhead)	18	•	Assuming same overheads	18
Total costs	82	•	27% less costs	59.5
Profit	18	•	125% profit increase	40.5

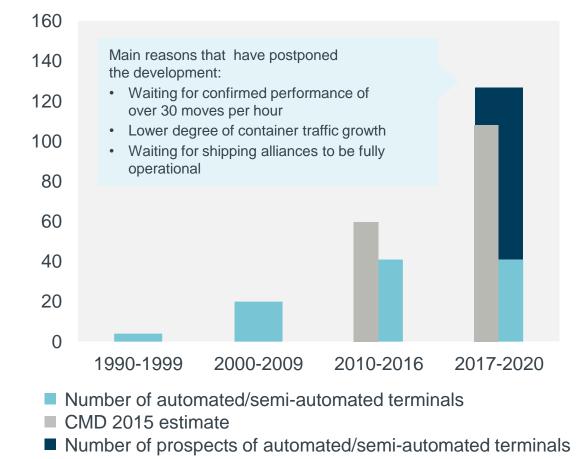
Additionally, improved safety reduces number of lost working hours, equipment damage costs and insurance premiums

*) Typical manual operation in Europe



Number of automated/semi-automated prospects has even grown since CMD 2015 but decisions to go ahead have been postponed







Software solutions reduce the impact of cyclicality





Terminal Control Center

Navis Terminal and Carrier Solutions aim to reduce inefficiency and waste in the global supply chain

Planning & Execution: plan and execute all moves across terminal/ Increases throughput and lowers cost

Analytics for better operational decision making

Capture all billable events for accurate and timely billing

Automate & improve truck turn times

Optimise container yard moves, save cost and reduce moves

Optimise vessel load and discharge across cranes

Optimise rail load and discharge processes

Center

€17 BILLION

of waste and inefficiency

Optimise vessel stowage planning

Ensure seaworthy loading of vessels

Optimise vehicle routing and costs

Source: McKinsey

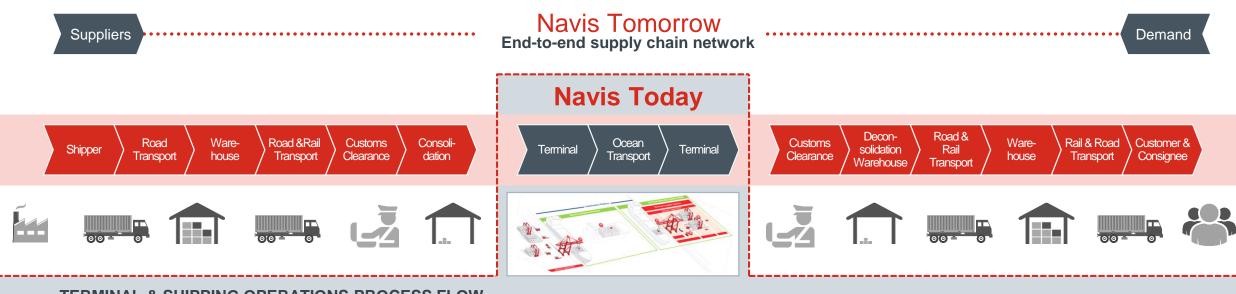


Track vessel operational

environmental compliance

performance and

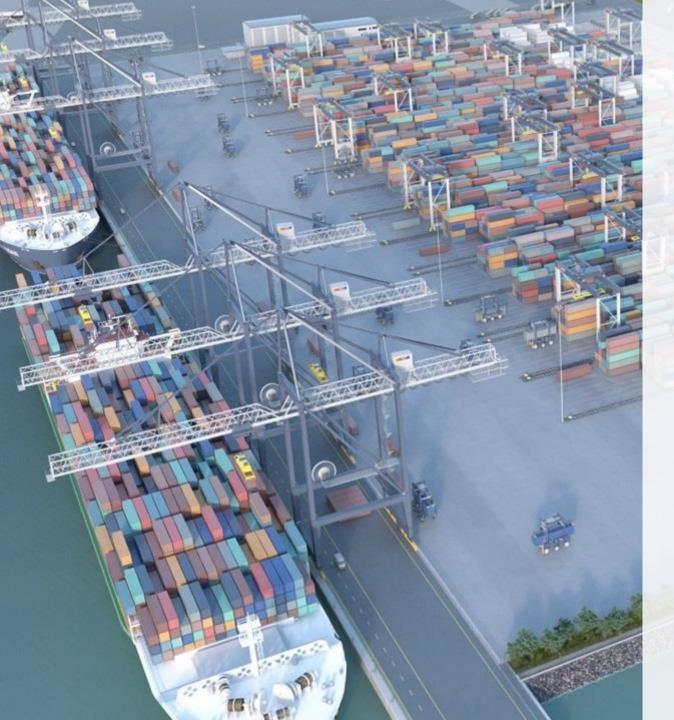
Navis is well positioned for further growth in the end-to-end value chain



TERMINAL & SHIPPING OPERATIONS PROCESS FLOW







VICT: Fully automated turnkey greenfield terminal in Melbourne

- 11 Kalmar AutoShuttles
- 20 Kalmar Automated Stacking Cranes
- Kalmar Automated Truck Handling
- Fully integrated Kalmar TLS with Navis N4 TOS
- System integration services

Through Kalmar, we will be able to leverage their knowledge and experience from similar automation projects throughout the world and get an integrated system comprising the equipment TLS from Kalmar and the terminal TOS from Navis. We believe that this approach to use a key partner for equipment and software services will help us optimise the operational performance for the future."

Christian R. Gonzalez Head of the Asia-Pacific region ICTSI

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