

An aerial photograph of a port at sunset. The sun is low on the horizon, casting a golden glow over the water and sky. In the foreground, a large container ship is docked at a pier, with several stacks of shipping containers. A tall Konecranes gantry crane is visible on the ship. The background shows a city skyline across the water.

Welcome to

Konecranes in Düsseldorf

Heribert Barlage

28 May 2024

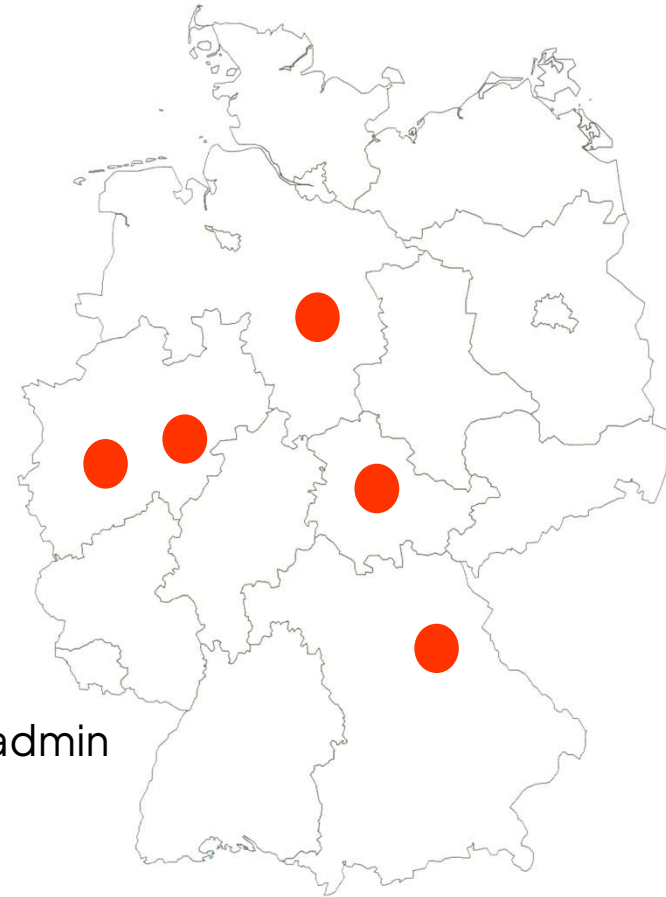
KONECRANES

Program

11:45	Arrival	
11:55	Welcome	Kiira Fröberg
12:00	Short introduction to Konecranes' Düsseldorf site and its products	Heribert Barlage
12:30	Safety instructions for the factory tour	
13:30	Visit ends	

Konecranes' operations in Germany

- About 3,500 employees
- Five production sites
- Service and sales offices
- All brands and businesses present in Germany
- **Düsseldorf:** Konecranes Gottwald Mobile Harbor Cranes + Automated Guided Vehicles, admin, management
- **Wetter:** Multi-brand location with strong Demag history: light lifting equipment, cranes components, admin and management
- **Uslar:** Demag and multi-brand drives, motors + components
- **Eurofactory in Liebengrün:** Konecranes branded cranes
- **Würzburg:** Konecranes Noell Straddle Carriers, spare parts, admin



#doingtherightthing

- Konecranes received one of the known German Sustainability Awards 2024, in the category „company – machinery industry“ for its climate action in the German market, especially the electrification of its port solutions portfolio
- The Düsseldorf as well as the Wetter site has received the label „family friendly company“ from the Chambers of Industry and Commerce for its activities to enable employees to combine work and family duties



Konecranes in Düsseldorf, Germany

- Transport access:
 - Düsseldorf Airport approx. 35 km
 - Düsseldorf Central Station approx. 25 km
 - Reisholz river terminal approx. 3 km
- Area: 160,000 m² (22 football fields)
- Certified in accordance with DIN ISO 9001, 14001 and 45001 since more than 25 years



Products manufactured in Düsseldorf



Konecranes Gottwald Mobile Harbor Cranes

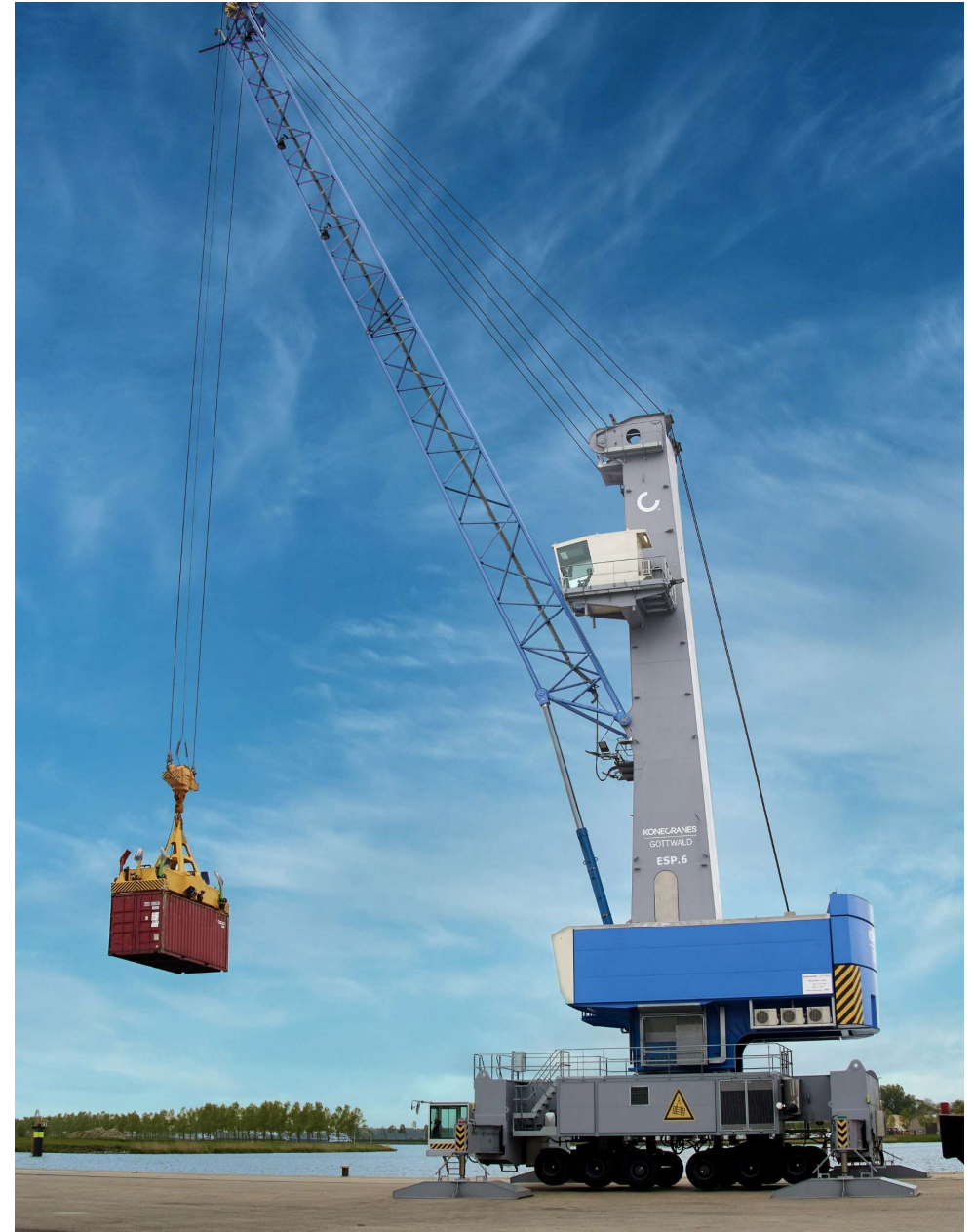


Konecranes Gottwald Automated Guided Vehicles

Above and beyond – with the originals from the inventor

Mobile harbor cranes

- Invented in 1956
- 2,000+ cranes supplied around the globe
- Self-contained, versatile, flexible and mobile
- State-of-the-art electric drives
- For all types of terminals, vessels and applications
- Short delivery lead-times
- Low specific investment costs for cranes and infrastructures

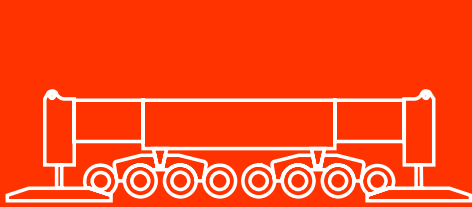
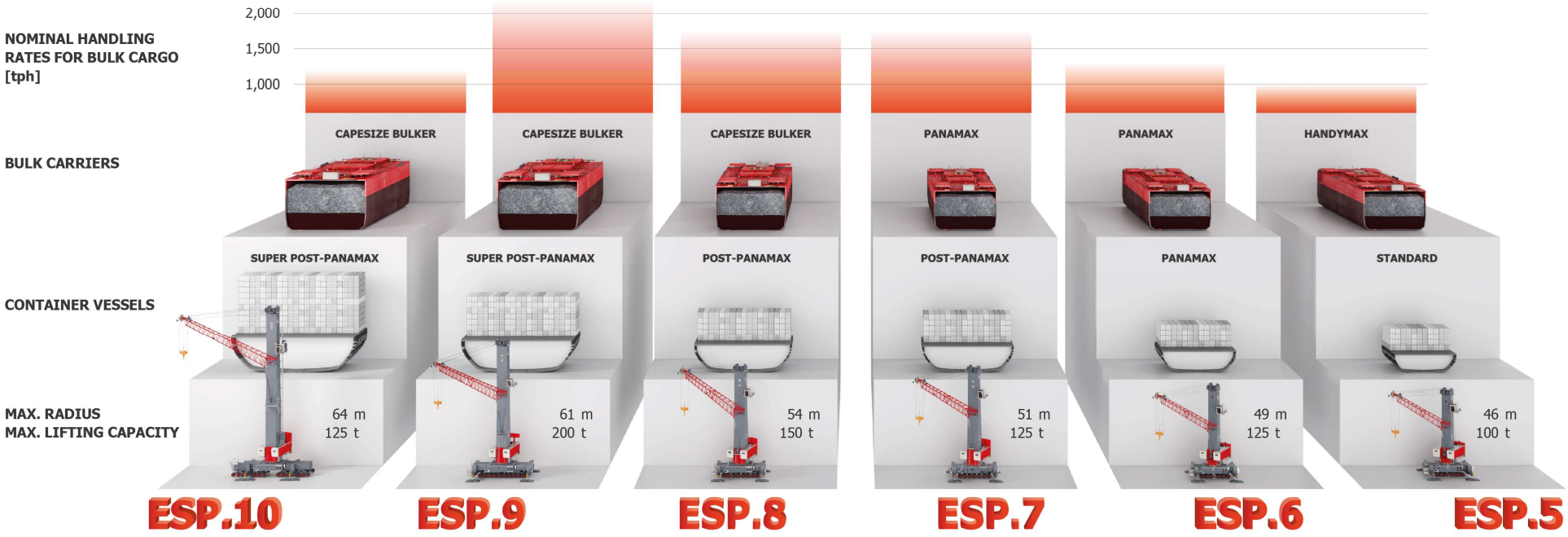


Our customers

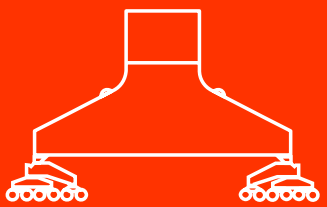
- 500 heavy port equipment companies globally
- Mobile harbor cranes are requested by:
 - Stevedores and rental companies
 - port authorities
 - industrial companies
 - power generation and basic industry
 - agriculture
 - construction industry
 - shipping lines
 - consultants and dealers



Mobile Harbor Crane Portfolio



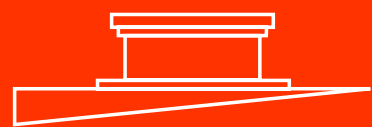
Rubber-tired chassis



Portal



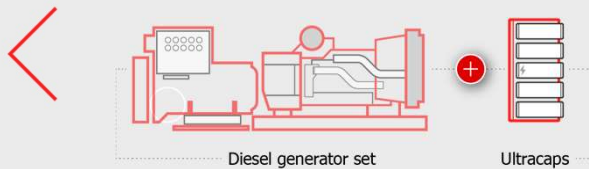
Barge/ pontoon



Pedestal

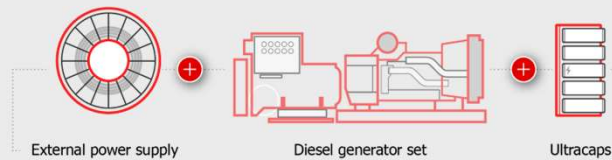
The modular drive concept of Generation 6

Fuel-optimized on-board drives



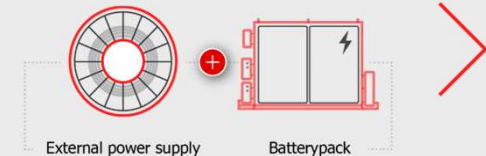
- For terminals without existing harbor mains infrastructure
- Modular on-board drive system combining diesel generator sets with Ultracaps to fulfill power demands of each crane model and application

Eco-efficient external power supply



- For terminals with existing harbor mains infrastructure
- Primary power from harbor mains
- Optional modular on-board drive system for fully unplugged crane operation

Sustainable all-electric drive



- For terminals with excellent harbor mains infrastructure (primary power)
- Battery pack instead of on-board diesel generator set for traveling and some crane operation

Excellent horizontal transport

Automated Guided Vehicles (AGV)

- Konecranes AGVs are unmanned vehicles for horizontal container transport in terminals
- Proven technology for tough environments and high performance
- Available as turnkey system solution including all required system elements
- Available as AGV or Lift-AGV to decouple stacking yard operations
- Zero-emission drive train technology with Li-Ion-Batteries and automated charging solutions

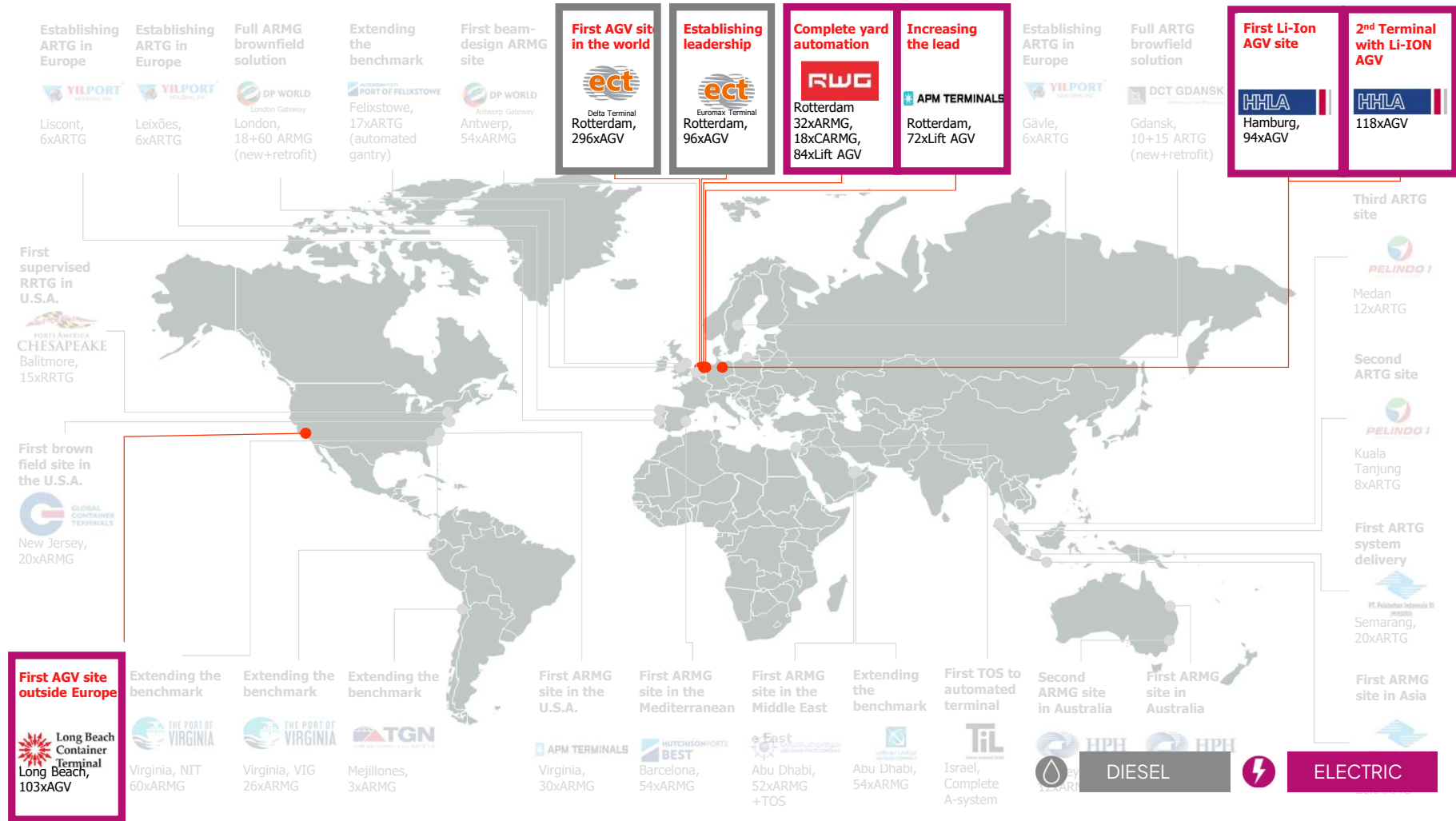


Automated Charging Station (ACS)

- Fully-automated and manual charging possible
- Charging time: < 1.5 h
- ACS are fully integrated into automated operation
- Over-head Battery Management System automatically selects charging equipment and optimizes charging time-points to ensure equipment availability



AGV customer base



Thank you.

