





**SAFETY
ALWAYS**



KALMAR

2019

Improving efficiency in Kalmar MAU Stargard

Stargard Multi Assembly Unit

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Kalmar in brief

A global reach with personnel in 30 countries and sales and service in more than 100 countries

People

5,700

Service Staff

1,500

Presence

100+
countries

Assembly

Poland
China
India
Malaysia
USA



One in four container movements around the globe is handled by a **Kalmar** solution



Our story



2009



2010



2013



2017

Built-up area – 41,200 sqm

Production & storage area – 35,500 sqm

Office & social - 5,700 sqm

Roads and parking - 115,300 sqm

Investments levels in MAU Stargard

2009–2012	Kalmar & Hiab	EUR 26.5 mln
2013	Kalmar	EUR 4.4 mln
2016–2018	Kalmar	EUR 10.0 mln
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Total		EUR 40.9 mln



Machines assembled at MAU Stargard

Empty container handler

**Total stacking
height of up
to 8 containers**



Forklift

First electric
Forklift in the
world with lifting
capabilities of 9
to 18 tonnes



Reachstacker

World record
lifting capacity
of 130 tonnes



Straddle carrier

All the power,
with up to
50 tonnes less
CO2 emissions
per annum



Terminal tractor

Over
80,000 units
delivered
globally

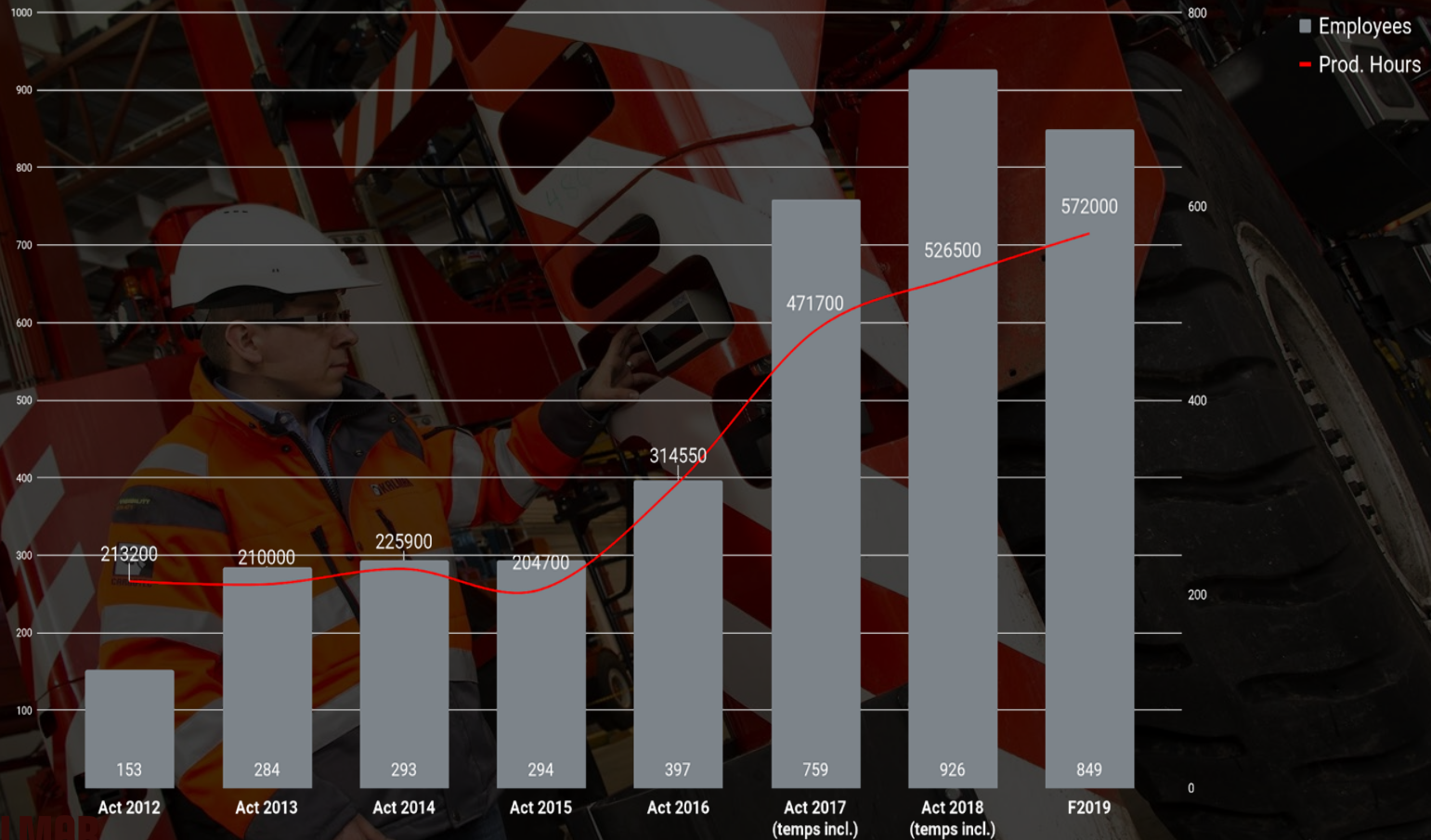


**Kalmar's full
offering to be
available as
electrically
powered by 2021**

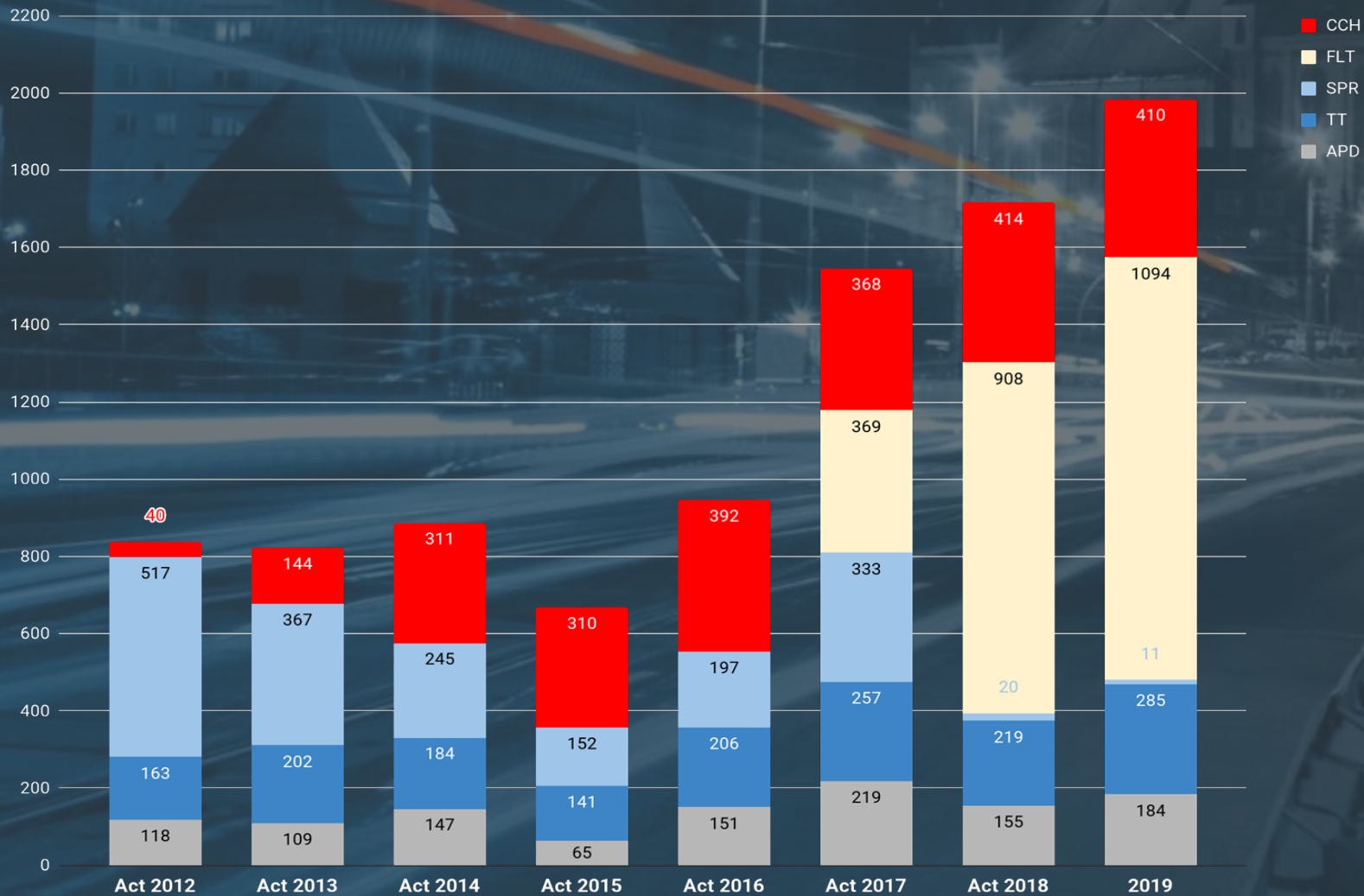
MAU Stargard Development

2012-2019

Employment vs. production hours



Machines produced



MAU Kalmar Stargard focus areas

- Competence development
- Performance development (KPS – Kalmar Production System)
 - Leadership
 - Quality
 - Delivery
 - Cost
 - Safety
- Supplier development (Q,D,C)



Kalmar 4.0

Supply Chain
transformation
programme

Kalmar 4.0

- Digital transformation throughout the entire E2E supply chain
- Drive efficiency across the supply chain – speed, automation, real time, transparency
- Global effort, all markets and all assembly units /service



Kalmar 4.0

- Streamline ordering process
- New line feed & Smart Assembly
- Improved product handover process
- Supply base uplift
- Collaborative business planning
- Leadership, competence & change management



Kalmar 4.0

Join the revolution!

Summary

Kalmar Stargard

- Stable Operations with productivity gains materialising
- Supply base performance under control
- Output all-time high and delay all-time low
- Further improvements planned and ongoing





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