

Liebherr mobile harbour cranes

*Efficiency and flexibility in container handling
in times of growing ship sizes*



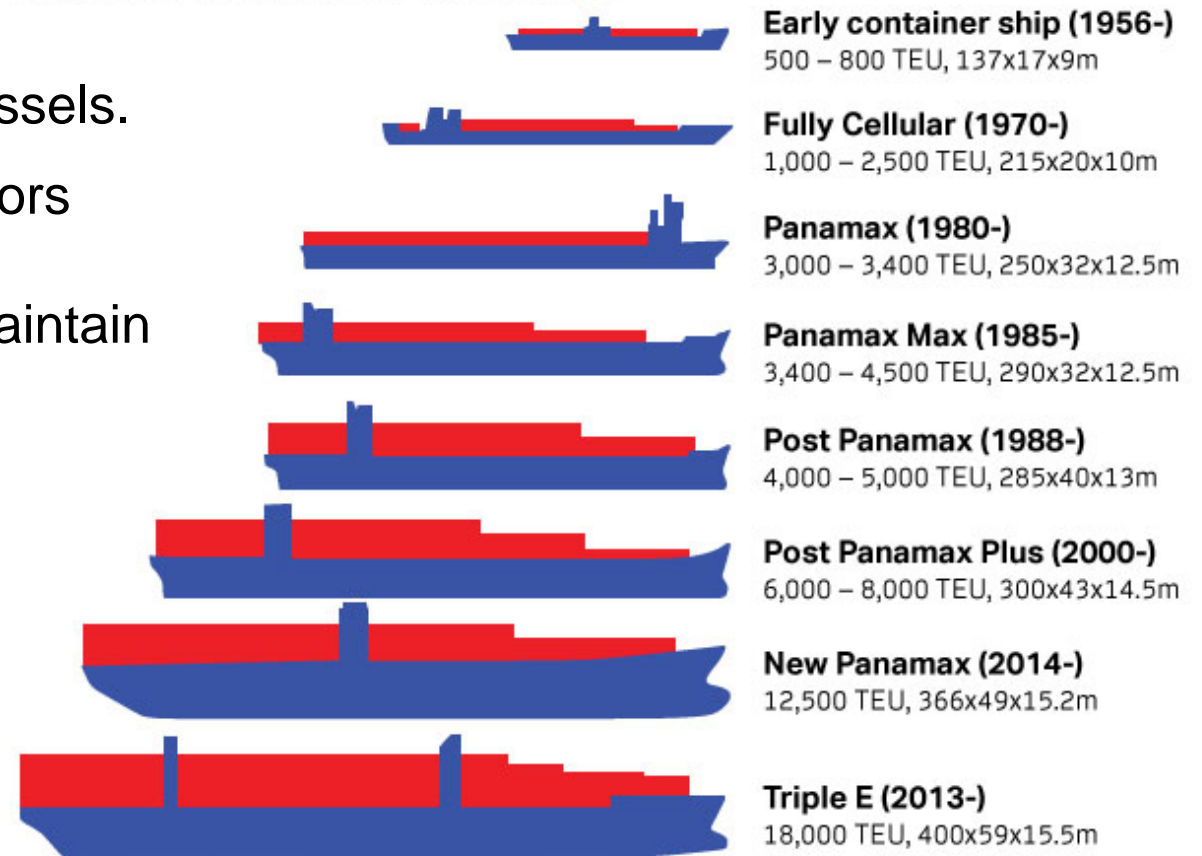
LIEBHERR

HOW TO DEAL WITH GROWTH?



Bigger vessel – bigger cranes

- Financial crisis 2008/2009 drove investments in larger container vessels.
- Cascade effect affects port operators around the globe to invest in port equipment and infrastructure to maintain competitiveness.



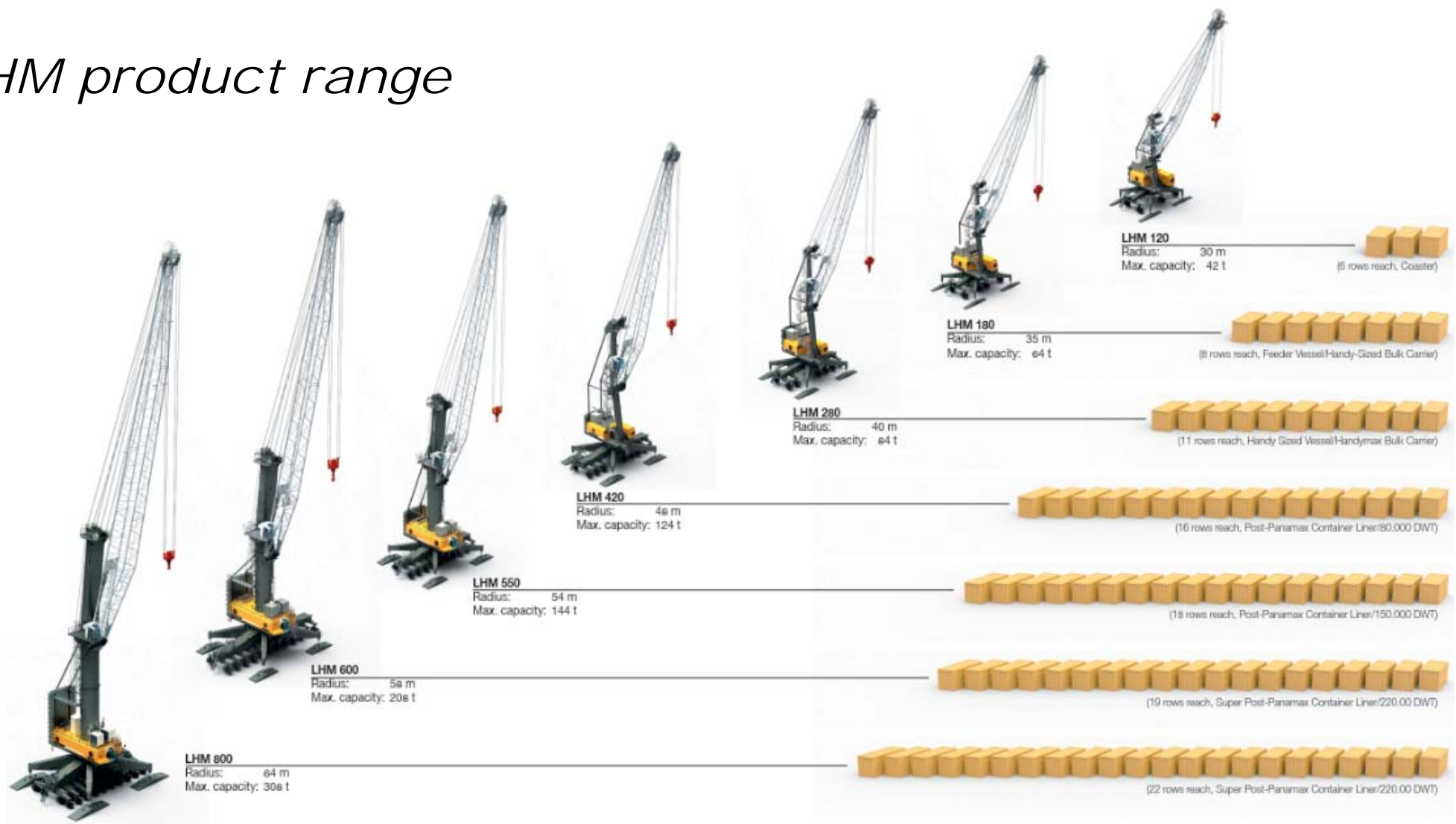
Challenges of bigger vessel

■ **Bigger vessel confront ports with new challenges:**

- Many port cranes can no longer efficiently reach across vessels.
- Investments needed in conjunction with relatively short terminal concession.
- Some ports face extra dredging, because bigger ships require deeper water.
- Congestion problems associated with unloading of thousands of container at a time.



LHM product range



LHM 800



- **Container handling**

- Max outreach: 64 m
- Max capacity: 41t @ 22 rows
- Optional: High rise version

- **Heavy lift**

- Max outreach: 64 m
- Max capacity: 308 t
- Power Pack: 750 kW (+Pactronic®)

- **Bulk handling**

- Max outreach: 52 / 64 m
- Max turnover: 2300 t / hrs

LHM 800 alternative to STS-cranes

- The recently launched LHM 800 will not completely solve to fill the gap cascade effect of bigger vessel caused
- BUT the giant LHM 800 is a reasonable alternative to Ship-to-Shore Cranes for handling vessel up to 22nd container row



*Thank you
for
your attention*