



PORT HANDLING INDUSTRY SPECIFIC SOLUTIONS AND REDUCING TOTAL COST OF OWNERSHIP BY USING ALTERNATIVE POWER SOURCES

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POINTS COVERED



- Who is Hyster?
- "Anybody" can do Forklift trucks
- Container Handling solutions
- Inland Terminals solutions
- "Agro" Handling solutions
- Li-lo technology
- Steel / Metals handling solutions
- Telemetry



HYSTER TODAY



- Since 1929 Strong Brand
- Full Range 1-52 Tones
- Modular Design philosophy
- Part of Hyster-Yale Group
- 13 Manufacturing locations,
 - 3 plants in Europe
- Independent Distribution
 - Strong Network in Georgia and around the Black Sea
- World-wide Presence











Laden and/or Empty handlers

Empty handlers lower the owning cost and operational cost

per container moved





HYSTER MULTIPURPOSE HANDLING SOLUTIONS



- Dedicated Handlers and/or Multipurpose Trucks
 - Multipurpose trucks lowers the owing cost per load in a small operation









Single or Double Empty Container handlers

 Double handlers to increase containers handled on long travel tracks and allow quick digging for a specific container





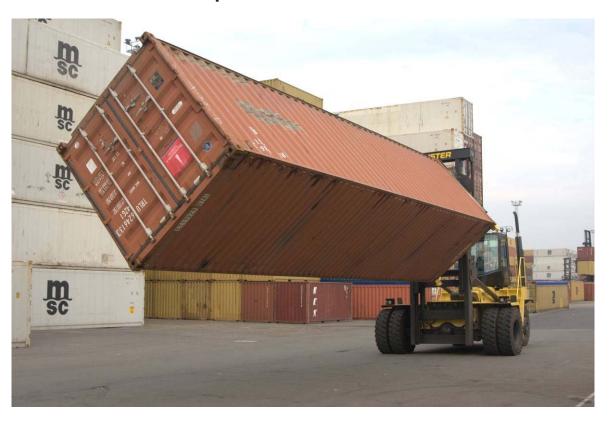
> Freight and/or break bulk container handlers

Break bulk container handler
to lower the owning cost for
empty/unload services of
break bulk containers.





Other special solutions – End handling







J8.0XN, Lithium-Ion



- **Li Ion Battery**, significant capacity (50kWh), high density storage, rapid opportunity charging, 0-100% state of charge within 2 hrs (1hr 40 typical & 50mins per 8 hr shift, Supplied with 50kW charger
- **High Voltage** drive & lift system (350v), minimising system loses, vast improvement over current voltages used (80 & 96v)
- Multi-phase permanent magnetic motors, drive & lift 15-30% more efficient than current 3 phase ac induction motors.





HYSTER TECHNOLOGY SOLUTIONS



Hyster Tracker		
<u>Monitoring</u>	Access	<u>Verification</u>
Remote Hour Meter		
Tremote flour weter		
Fault Code Tracking		
Impact Sensing		
Cost of Operation		
Preventative Maintenance Tracker		
	Access Control	
	Automatic Shutdown	
		Operator Checklist
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