



**STRONG PARTNERS.  
TOUGH TRUCKS.™**

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

➤ **Rainer Marian –Director Big Trucks EMEA**

# POINTS COVERED



- › Who is Hyster?
- › “Anybody” can do Forklift trucks
- › Container Handling solutions
- › Inland Terminals solutions
- › “Agro” Handling solutions
- › Li-Io 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



# HYSTER CONTAINER HANDLING SOLUTIONS



## > 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



# HYSTER CONTAINER HANDLING SOLUTIONS



## > Single or Double Empty Container handlers

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



# HYSTER CONTAINER HANDLING SOLUTIONS



## > Freight and/or break bulk container handlers

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



# HYSTER CONTAINER HANDLING SOLUTIONS



> 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 losses, 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

### Monitoring

### Access

### Verification

Remote Hour Meter

Fault Code Tracking

Impact Sensing

Cost of Operation

Preventative Maintenance Tracker

Access Control

Automatic Shutdown

Operator Checklist

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**THANK YOU FOR YOUR ATTENTION!**

➤ Rainer Marian – EMEA Sales Director of Big Trucks