

Summary

Project Name: Control System Implementation

Scope: Design a control system and RCL systems for all cranes

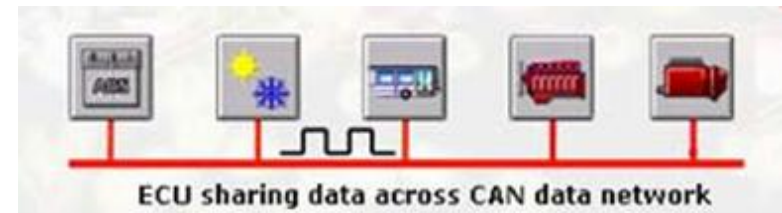
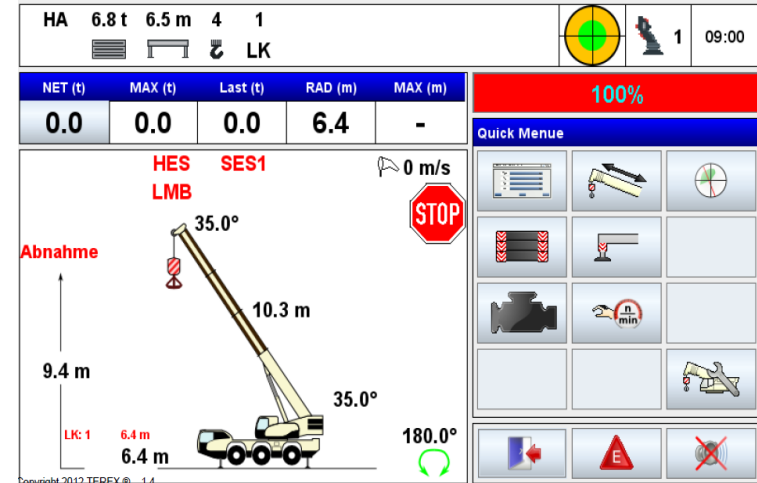
Software: E3

Challenges:

Combine Existing AC Crane intellectual property with lower cost hardware which has performance levels appropriate for the smaller RT, Truck and Crossover cranes to develop a budget Terex Control stem

Solutions:

- Calculation for circuit sizing ,Allowable voltage drop
- Expected current in wires as per the function
- Calculated value for wire size of each circuit.
- Finalization of Actia controller for cabin, chassis and superstructure with Waverly
- Integration of Controllers with vehicle electrics
- 3D routing of harnesses



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Achievement-

- ONE Terex look and feel
- Leverages existing Terex intellectual property to speed implementation and reduce system cost.
- Keeps Core Competency Internal
- Uses single display for control system and Rated Capacity system
- In-House flexibility to respond to customer requirements
- Improved Diagnostics Capabilities
- Reduces wiring hardware (wiring diameter) as CAN network used
- Reduces complexity of different controllers

