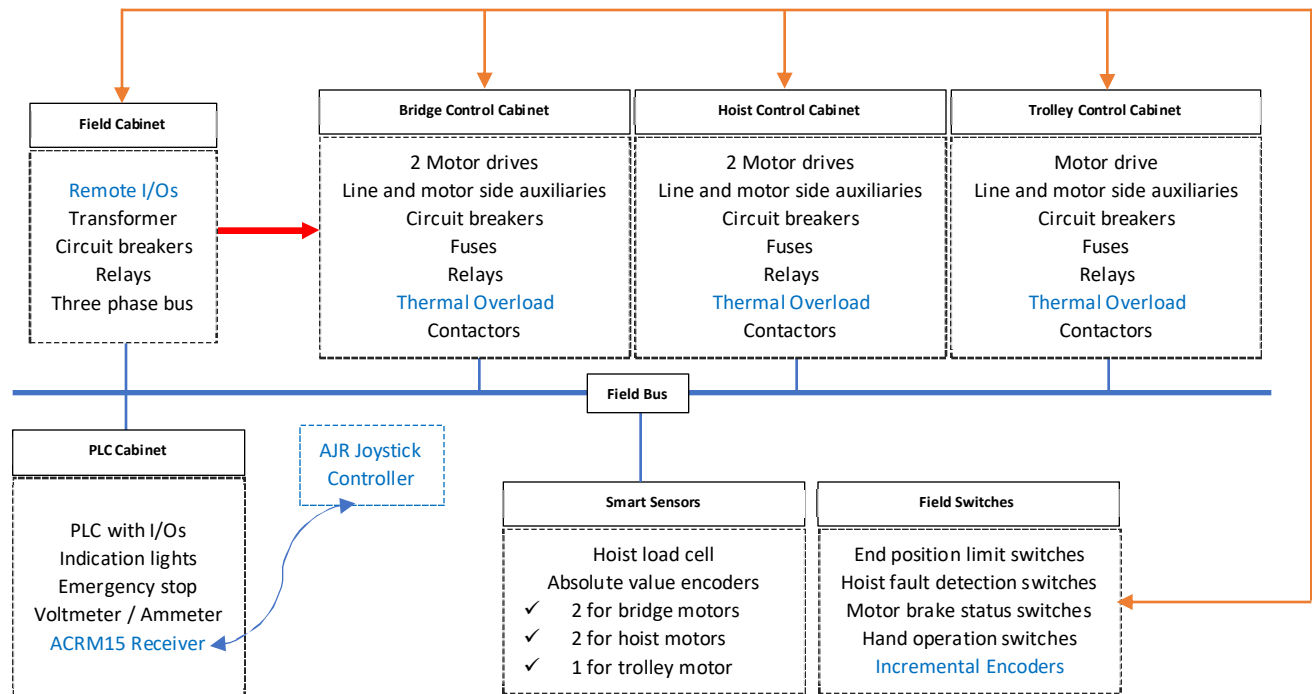


Proposed Solution:



Revisions:

- Field and non-control related components like limit switches, circuit breakers and motor contactors etc. have been replaced by the ones offered by Schneider Electric.
- The components that are not available or not supported by Siemens have been changed.
- The products that were not traceable by their order codes have been replaced by appropriate substitutes.
- Wireless controller AJR by Autec has been proposed for the control of crane in manual as well as semi-automatic mode.
- Contactors have been selected based on 1-AC ratings.
- Keeping in view the 1-AM crane ratings, the capacities of load cells have been increased to 10 tons.
- In response to the point about using 42 VAC as control supply for contactors, most of the contactors with that excitation voltage are displayed on Schneider Electric website as not normally available in stock. Additionally, the proposed plan includes transformer to generate 230 VAC, so there is no need to generate 42 VAC within this implementation. All the requirements can be effectively fulfilled with that.
- An attempt has also been made to make this project cost effective without compromising the quality of the output.