

Read crane position from ceiling

Ceiling level everything's more or less fixed, which is an asset!

Accurate positioning is needed for enabling autonomous movements as well as many Smart Features found in our cranes. Crane positioning systems have difficulty that they're blind to surroundings: crane doesn't know other than it's own position in comparison to it's own rails. Crane user on the other hand, wants to position hook on real world factory floor.

Machinery running on floor, many times also position themselves from there. Cranes on the other hand work on heights, have good visibility to above and to factory ceiling. Upper environment is by nature different: everything's more stable, gravity pulls dirt out, no persons or trucks in front etc.

KONECRANES is the world leader in material handling equipment and its products are highly advanced in technological features available. How could we benefit from stable above the crane environment and have efficient positioning from there? For technical solution, we are looking for something that is easy to implement to factories, positioning horizontally x-y, and retrofittable to existing cranes.

Beneficial skills for the project:

- Conceptual design
- Electrical engineering
- Software & automation

