

Container Cranes



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Automatic loading and unloading of containers requires sophisticated control systems, being able to accurately position the container and preventing swing during accelerations and wind gusts. Controllab is specialized in complex control systems that can do all of these tasks.

Model Based Design

Model based design is the technology that we use for control systems design. We have over 20 years of experience in modelling key components of cranes:

- 3D dynamics models of structural elements
- Electric drive and motor models

- Cable models
- Collision models (ground, carriage, ship, other containers)

With these models we can simulate the crane, load swing and load positioning under normal and extreme weather conditions. With the help of these simulations we can develop advance control systems to get the maximum performance out of the crane.

Need Help?

Controllab is specialized in complex control systems for tag lines, access bridges, cranes and more. Please contact us if you are developing a container crane system and need help on the control system.

Contact Us

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