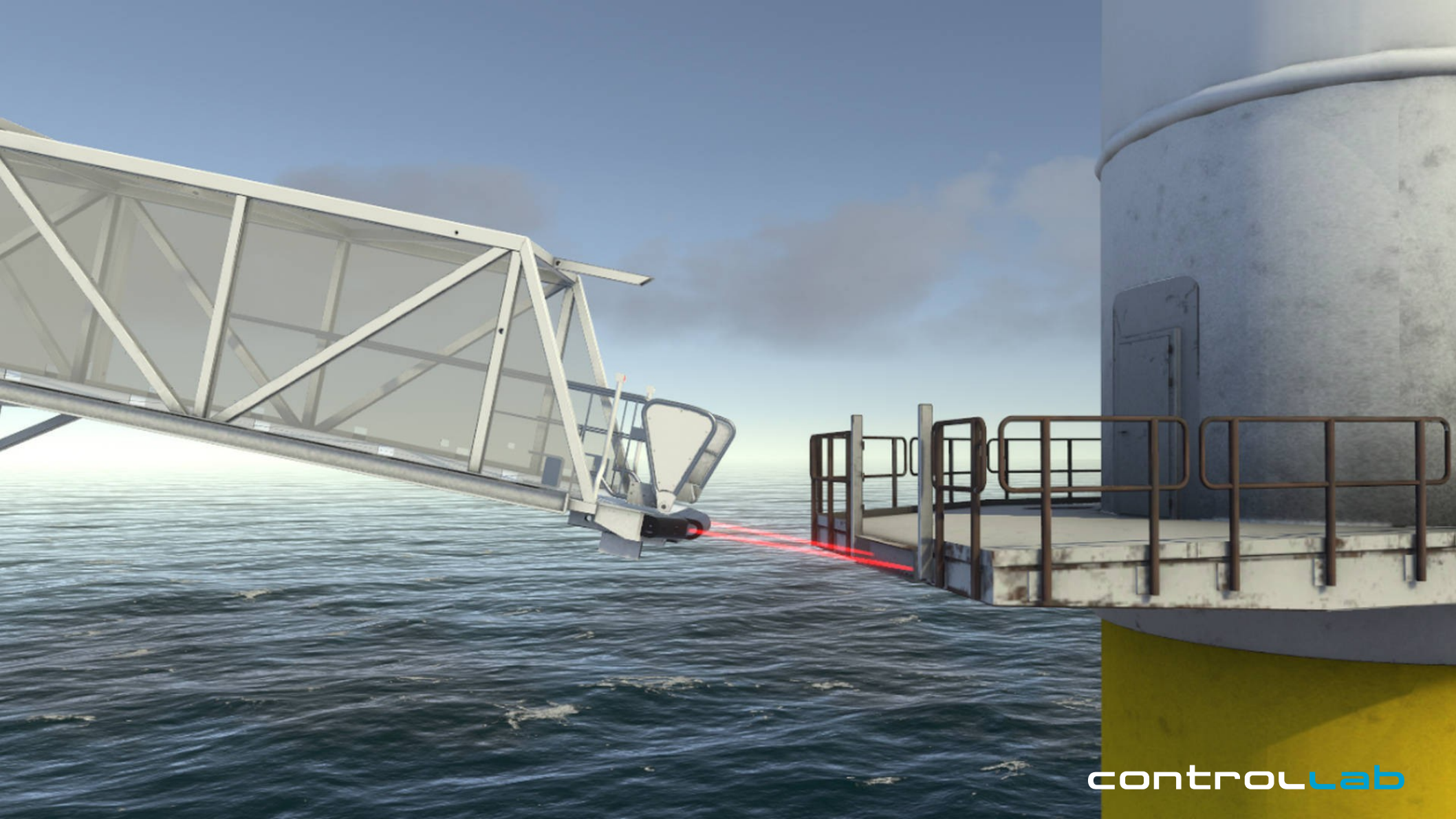


DIGITAL TWIN





Coding standards
Design patterns
Modular design

...





CS Scenario 3 - Transferring a Full Hot Metal Ladle to the Desulph

Operator Guest

Camera
First Person Overview Task Hook engagement

Training
Pause Stop Simulation

Alerts
Radio Outside Flight Path Collisions

Scenario Controls
In Bay In Bay

Ladle Breakout
Ladle 1 No Breakout
Ladle 2 No Breakout

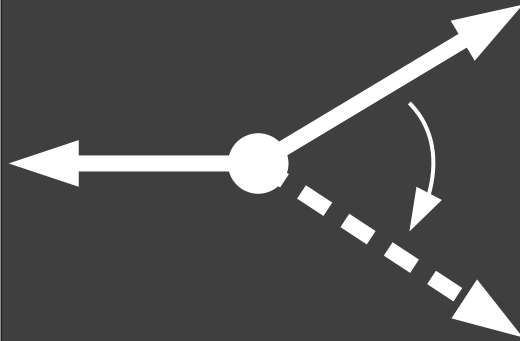
Upright Flare
Flare Position Up

Torpedoes
East HM South
West HM North

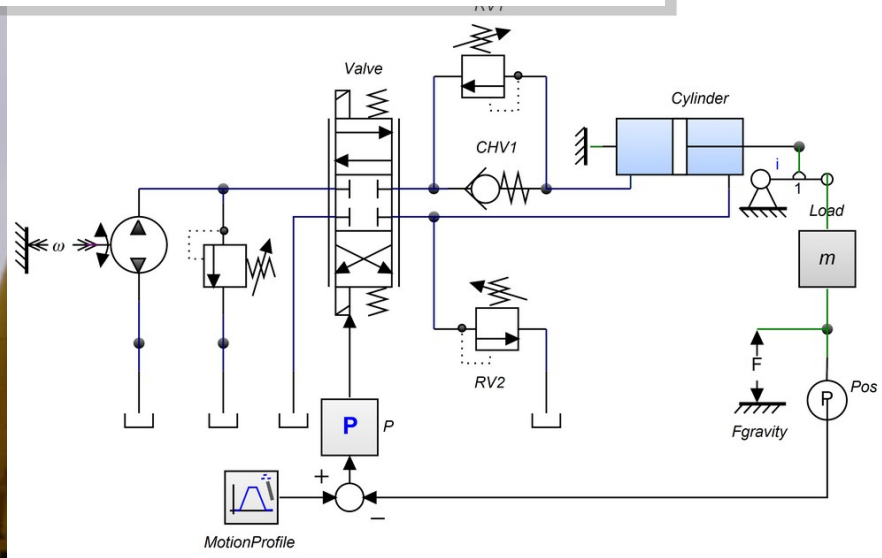
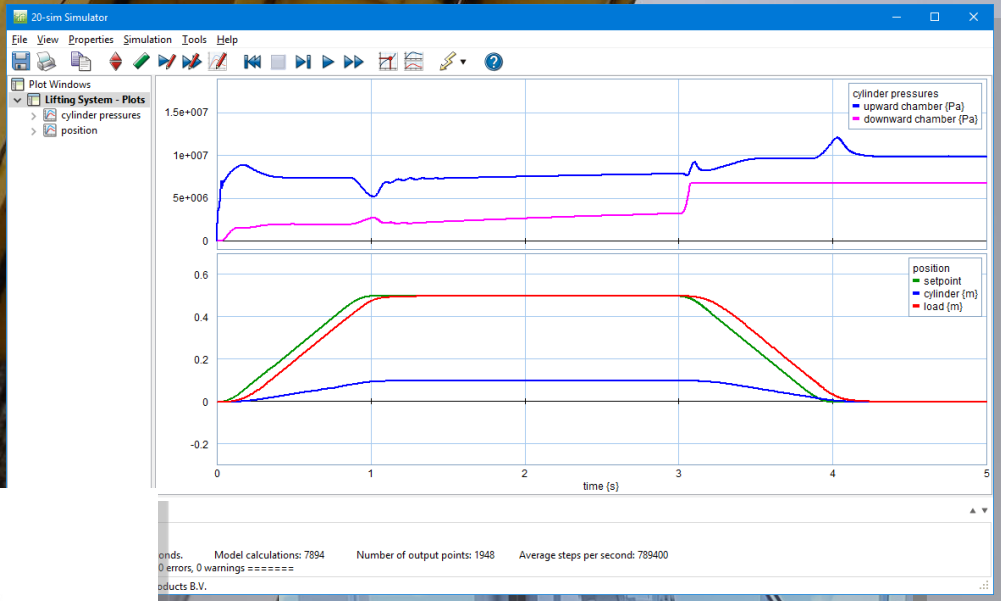
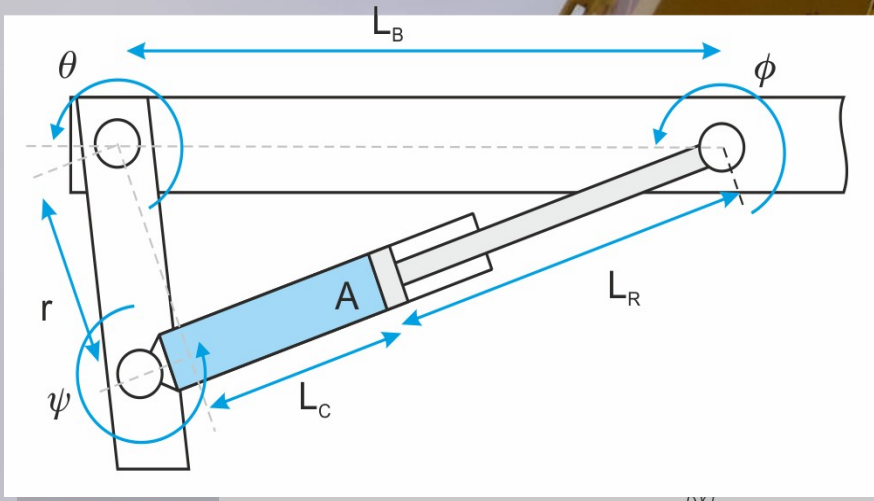
Version 1.0.0

Developed for Tata Steel Port Talbot by BLUP and ControlLab Projects.

A simulation view of the ladle transfer scenario. The ladle is shown in a virtual environment, suspended by a crane hook. The simulation is displayed in a dark-themed interface with various control panels and status indicators.









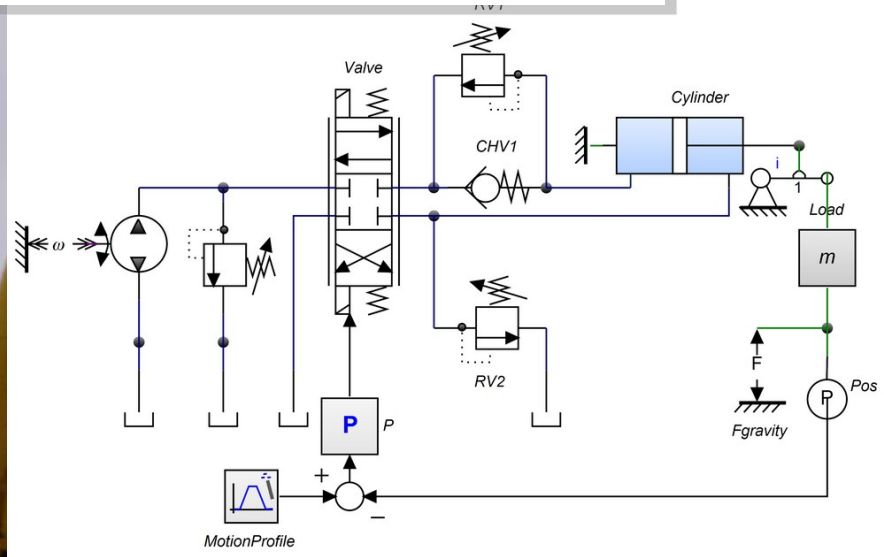
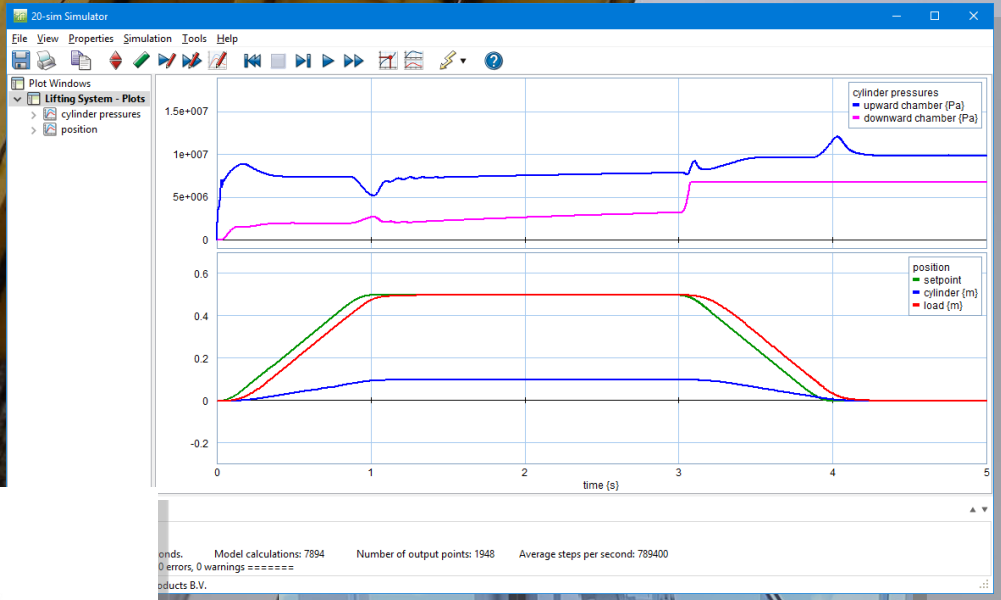
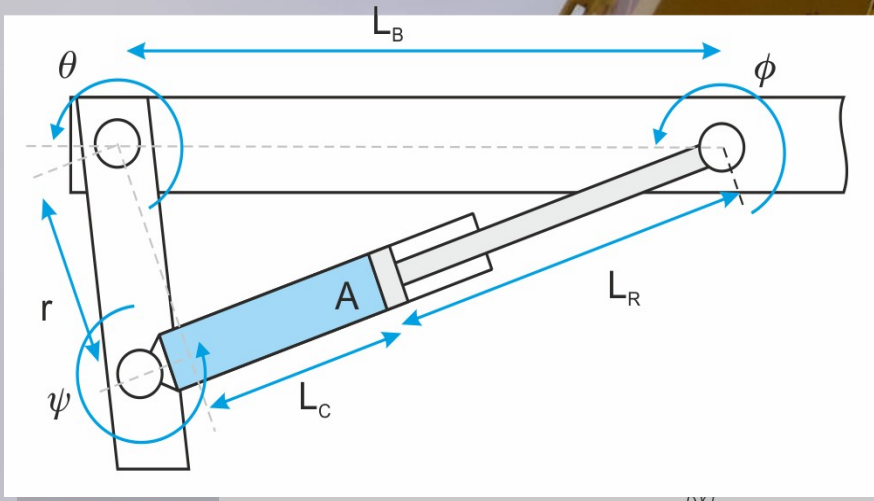
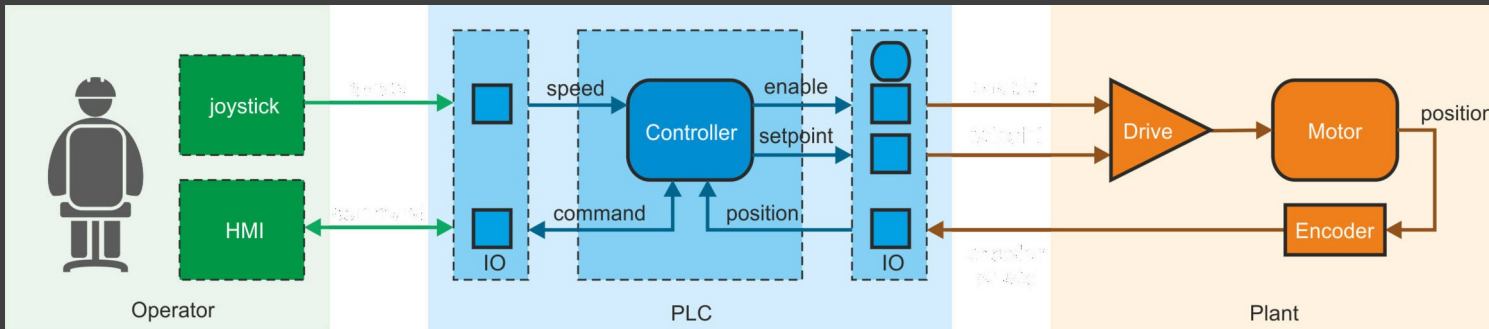
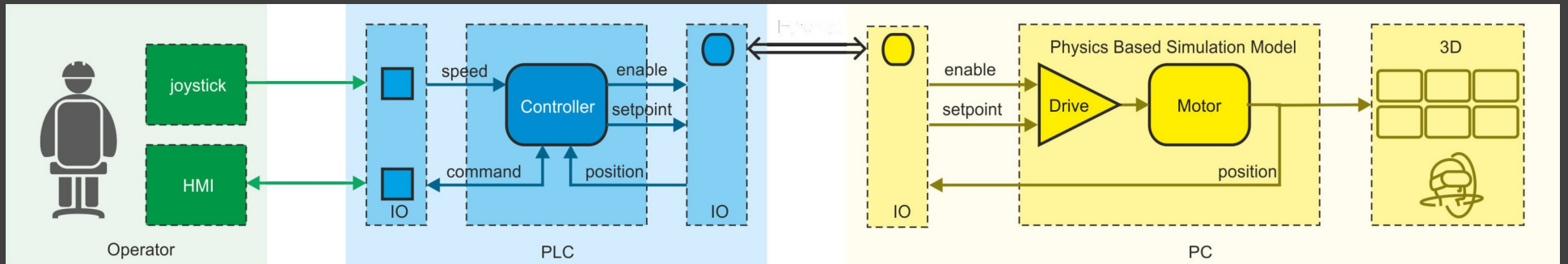


foto courtesy Jason Woodhead

real machine



simulator

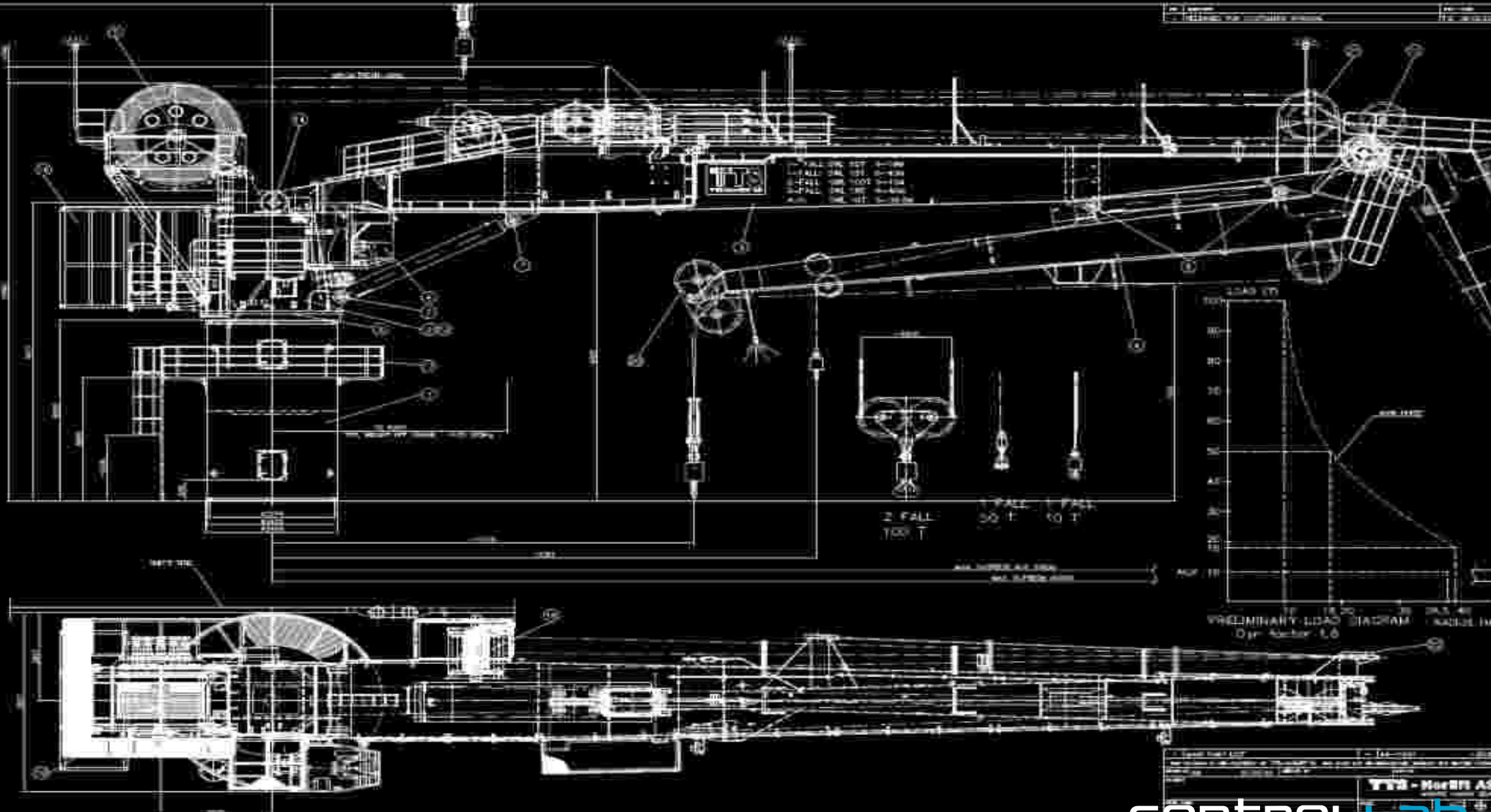


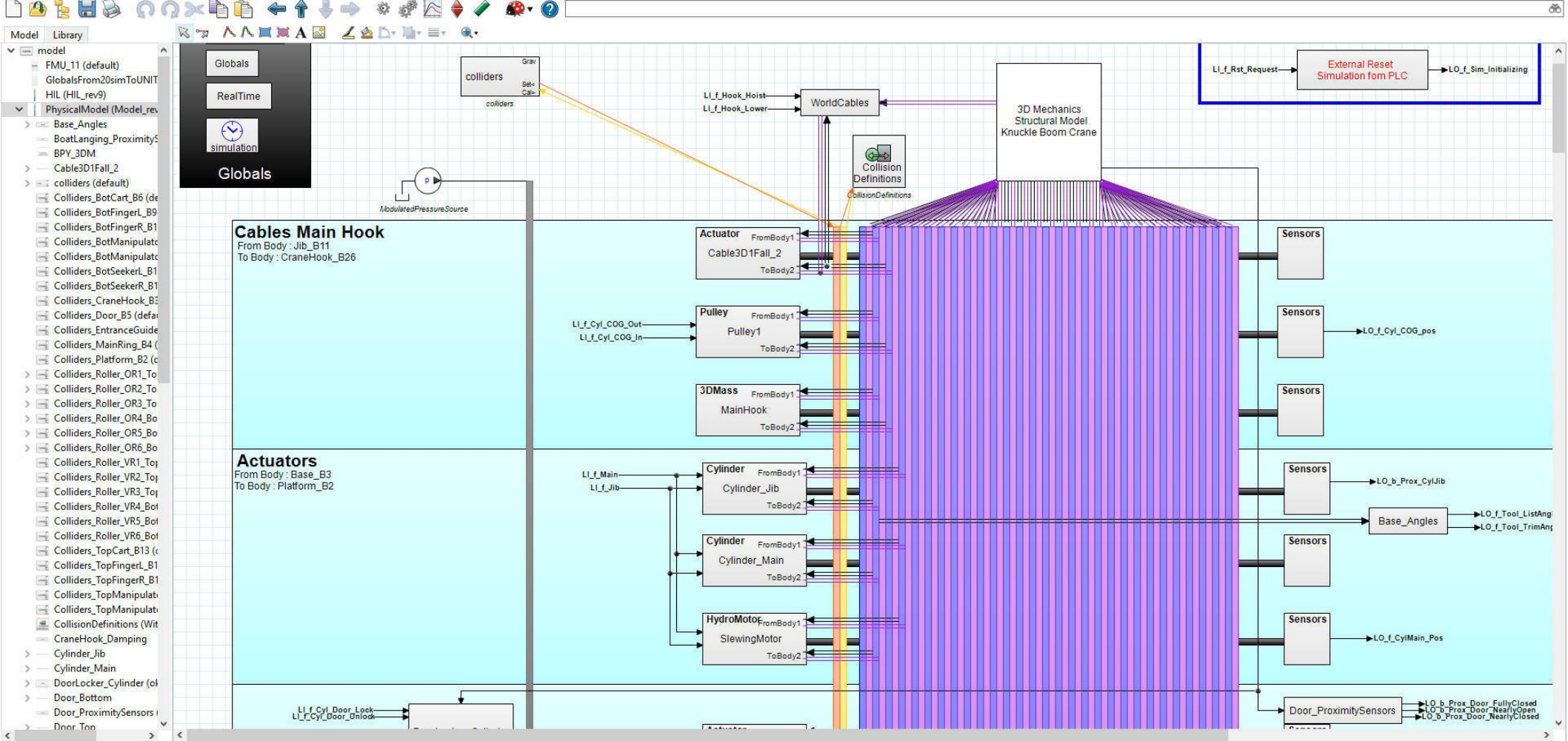


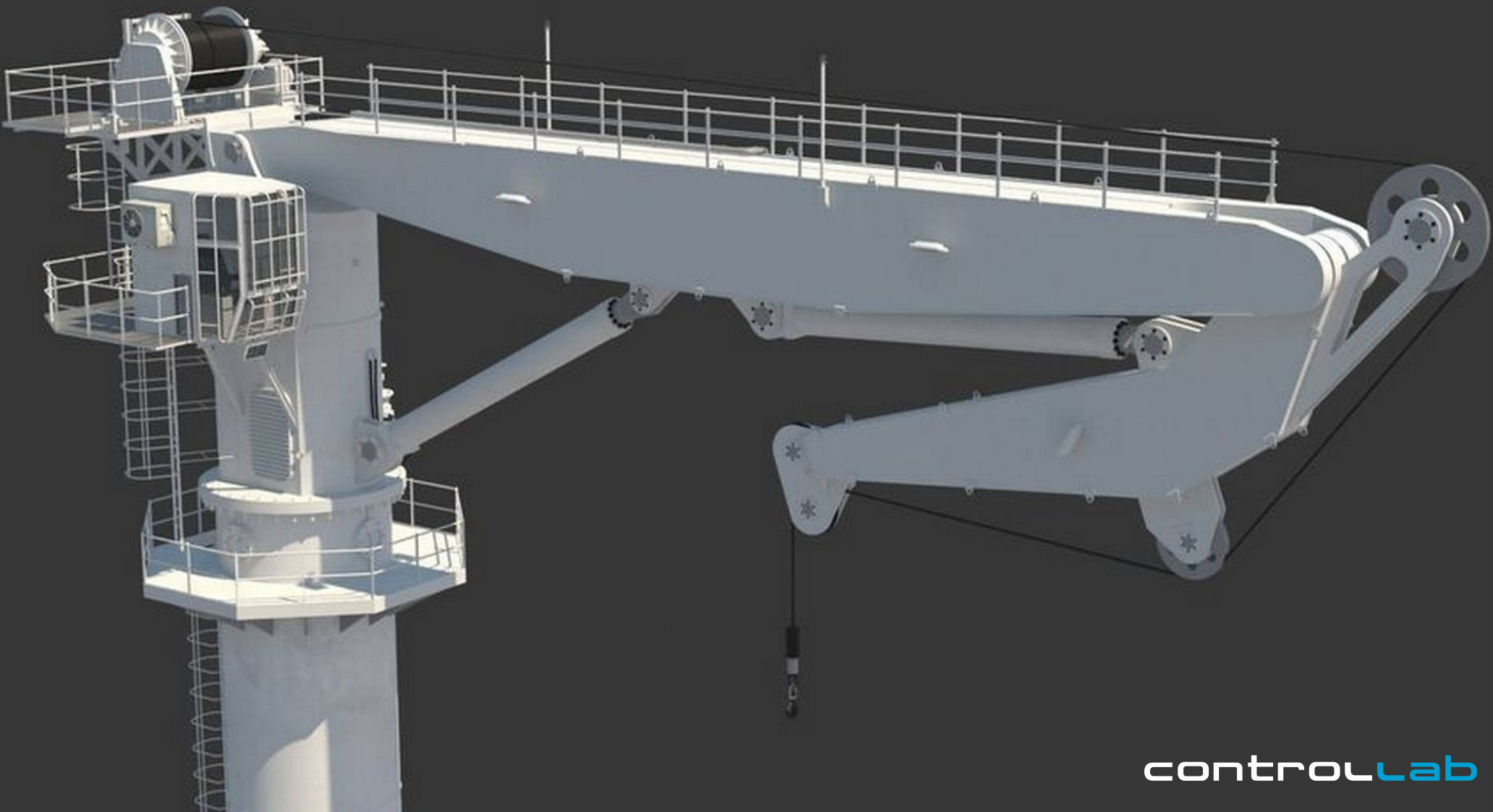
HIGHWIND BOOMLOCK DEMO

EliteDesk











Steering: -17.33°
Luffing: 22.61°
Hoisting: -51.33°
Cable Length: 5.833 m
Wind Speed: 14.82 km/h



Slewing :

Luffing :

Knuckling :

Cable Length :

Wind Speed :

In Range :

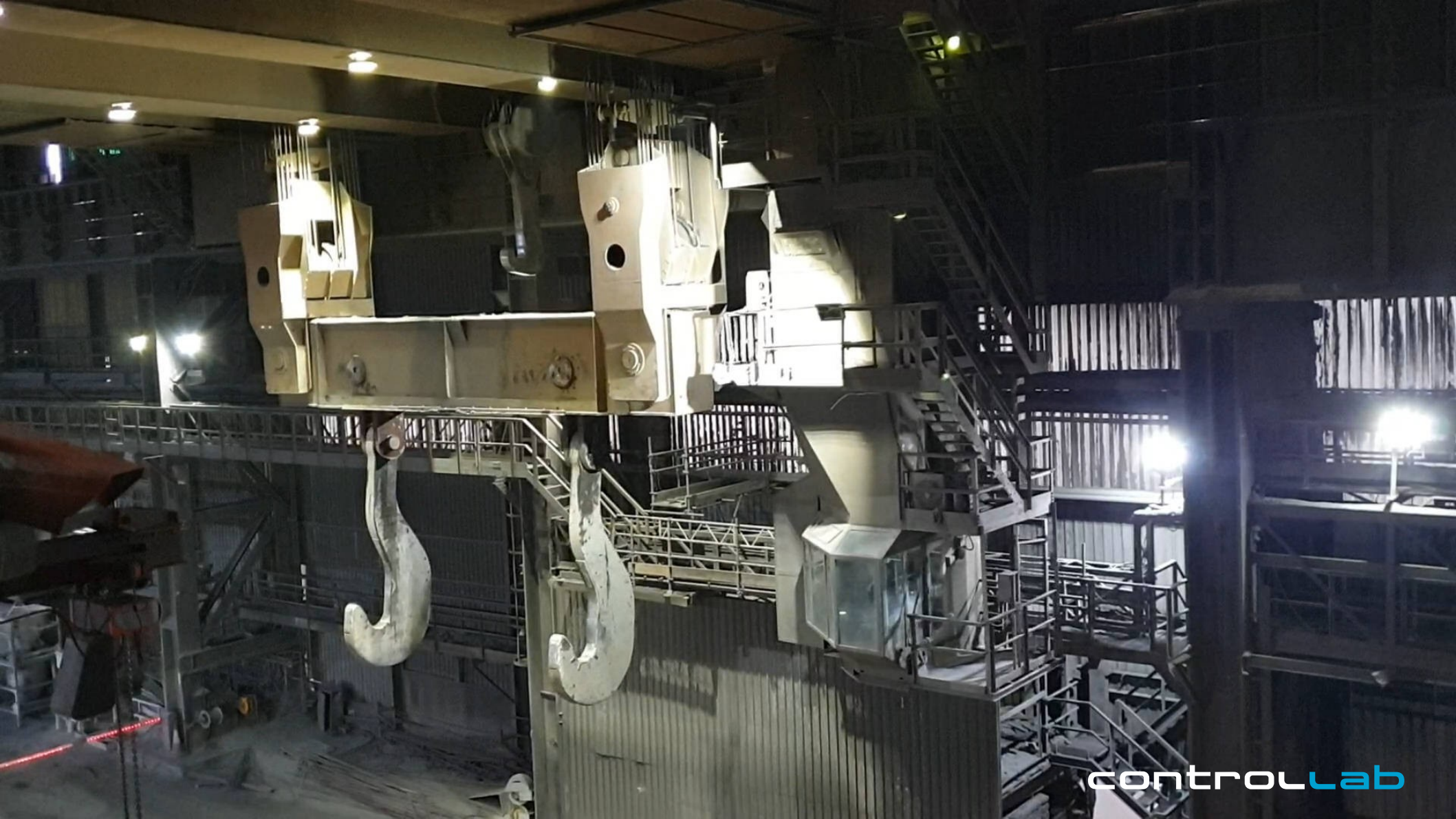
13.82

CAM01

Motion
Compensation

Wind
DOWN

Luffing
DOWN







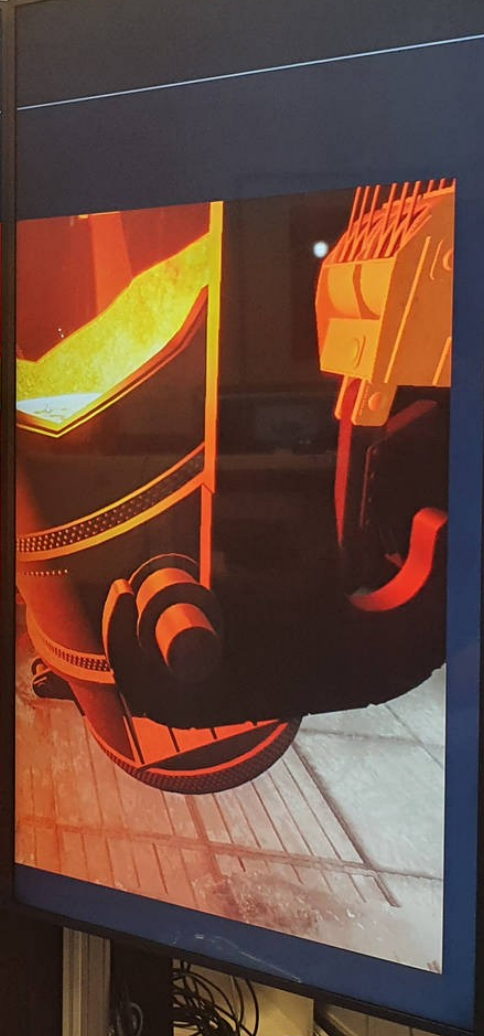


CS Scenario 5 - Decanting a Hot Metal Ladle

Camera
First Person Overview Task Hook engagement



Developed for Tata Steel Port Talbot by BLUF and Controllab Projects.



Training
Pause  Stop Simulation 

Alerts
Radio  Outside Flight Path  Collisions 

Scenario Controls

Converter North
Angle Charging Iron  Traffic Light  

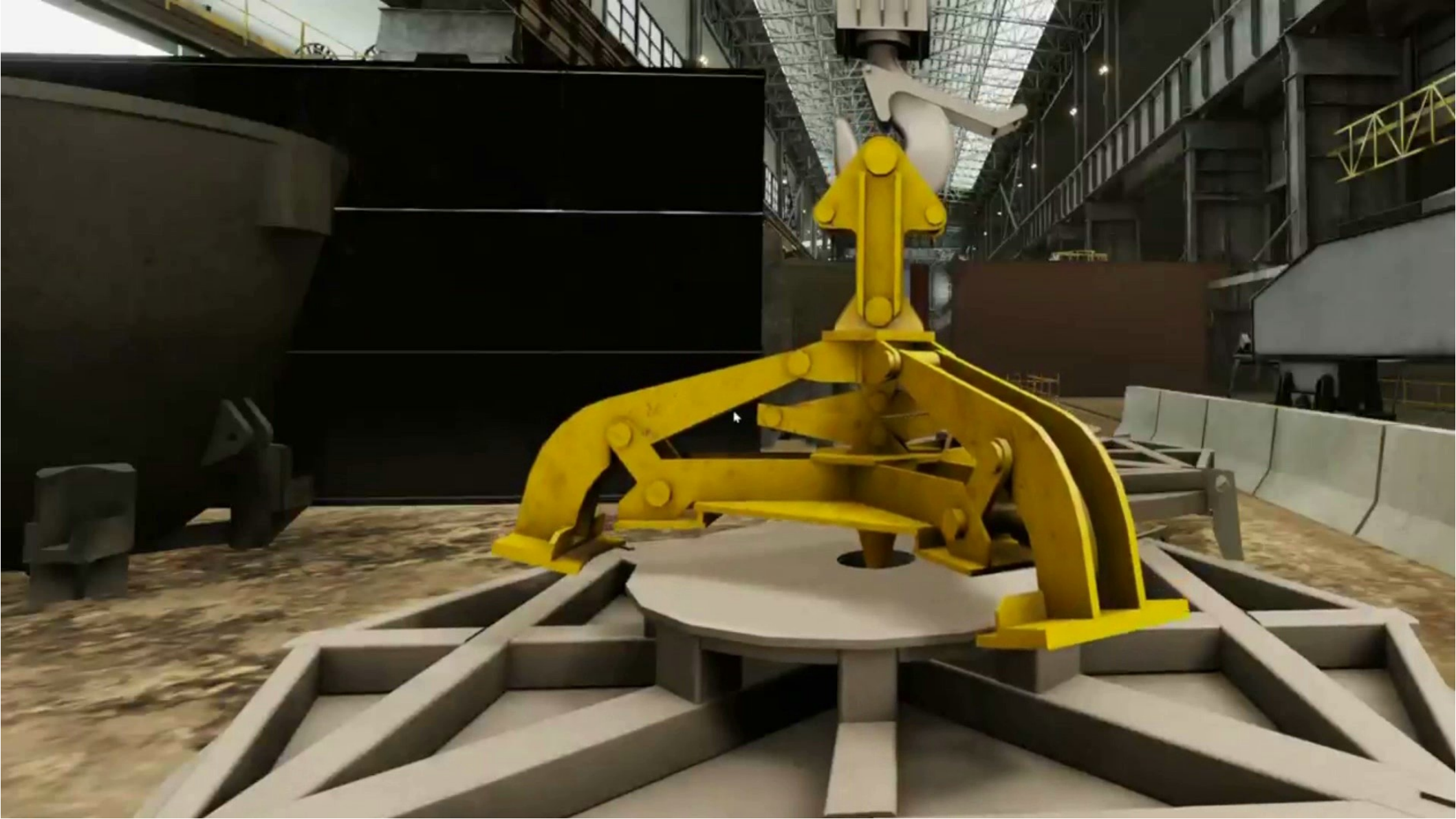
Converter South
Angle Charging Iron  Traffic Light  

Desulph North
Hood Parked  Lance 

Desulph South
Hood  In 







Digitale Tweelingen

betere en veiliger software

beter opgeleide mensen

kosten besparen