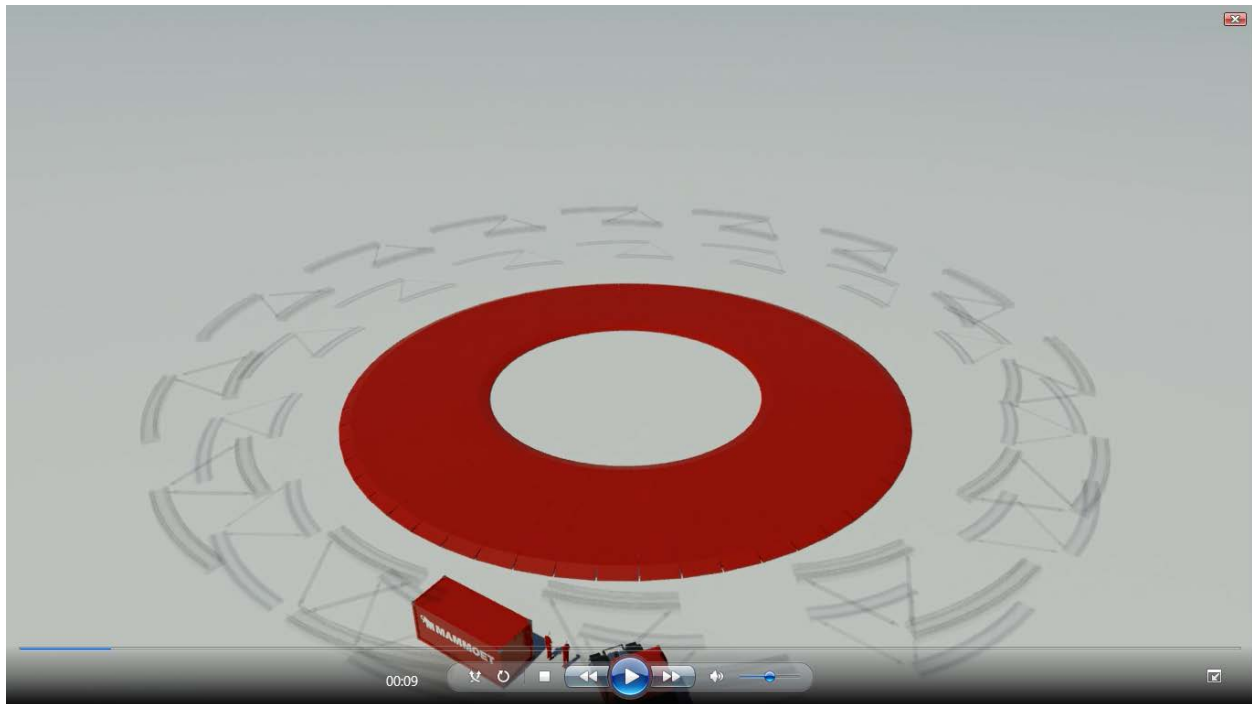


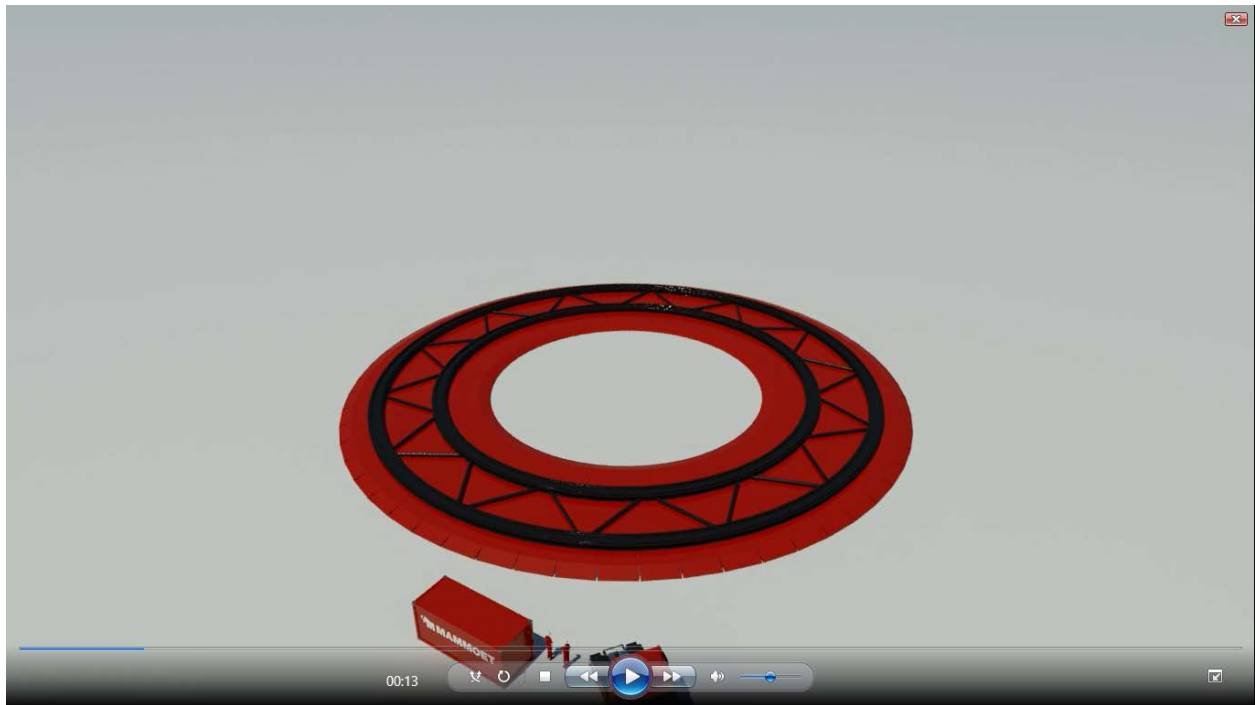
Illustration of installation of the PTC200DS in line with HDEC's programme.



1. Install load spreaders

Photos 1 & 2: preparing base, installing first load spreaders 30/07/14





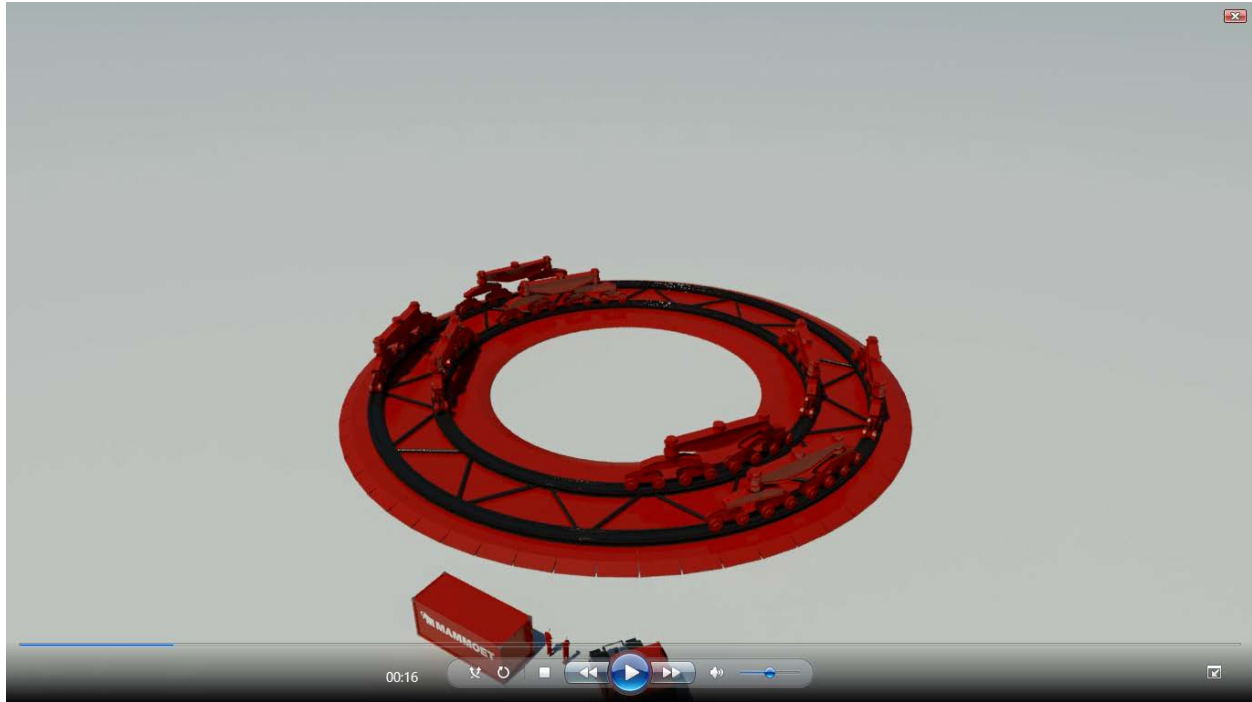
2. Install Rail
3. Bracings
4. Torque the ring

Photos 1 & 2 : 06/08/14 installing inner ring



Photos 3 & 4: Outer ring complete and bolts torqued 12/08/14, Bracing installed to tie two rings together





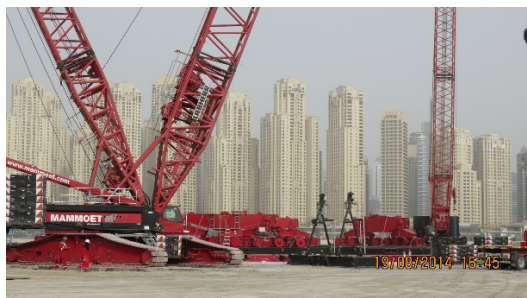
5. Install front bogeys, install front cantilevers

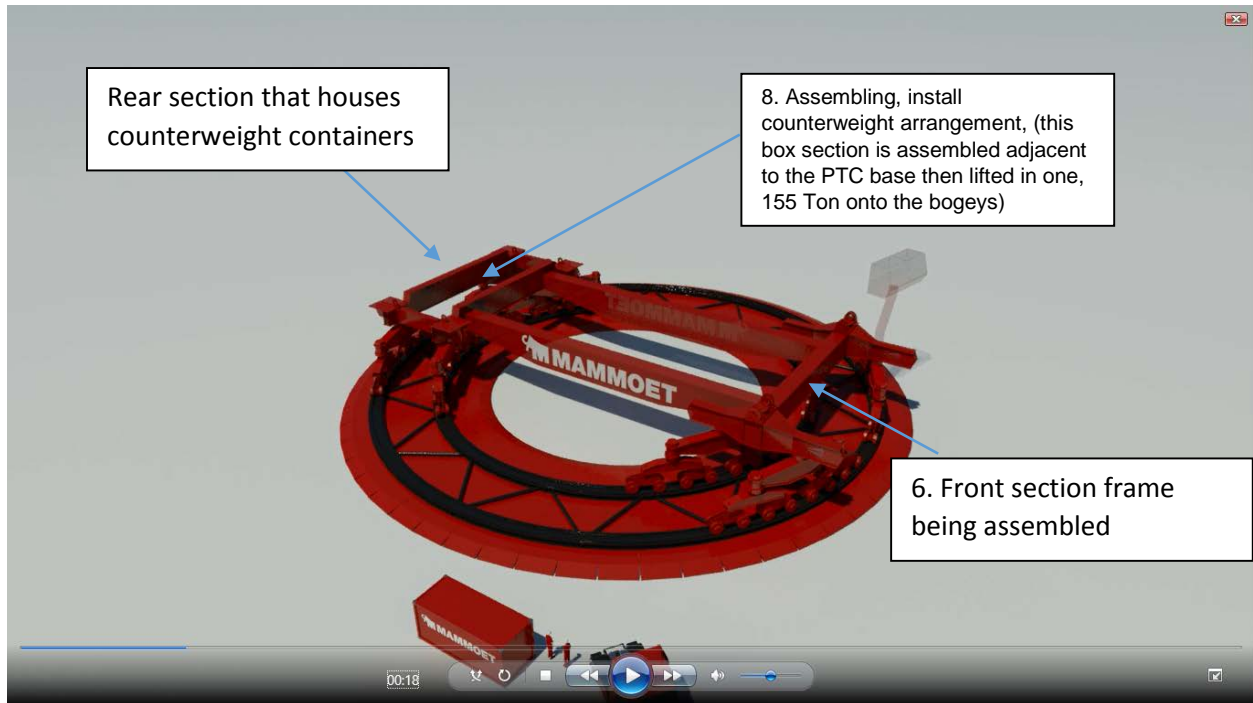
7. Install rear bogeys

Photos 1 & 2: Installing front bogeys 14/08/14



Photo 3: installing rear bogeys 19/08/14





6. Installation of the Counterweight arrangement

9. Assembling/install winch support beams

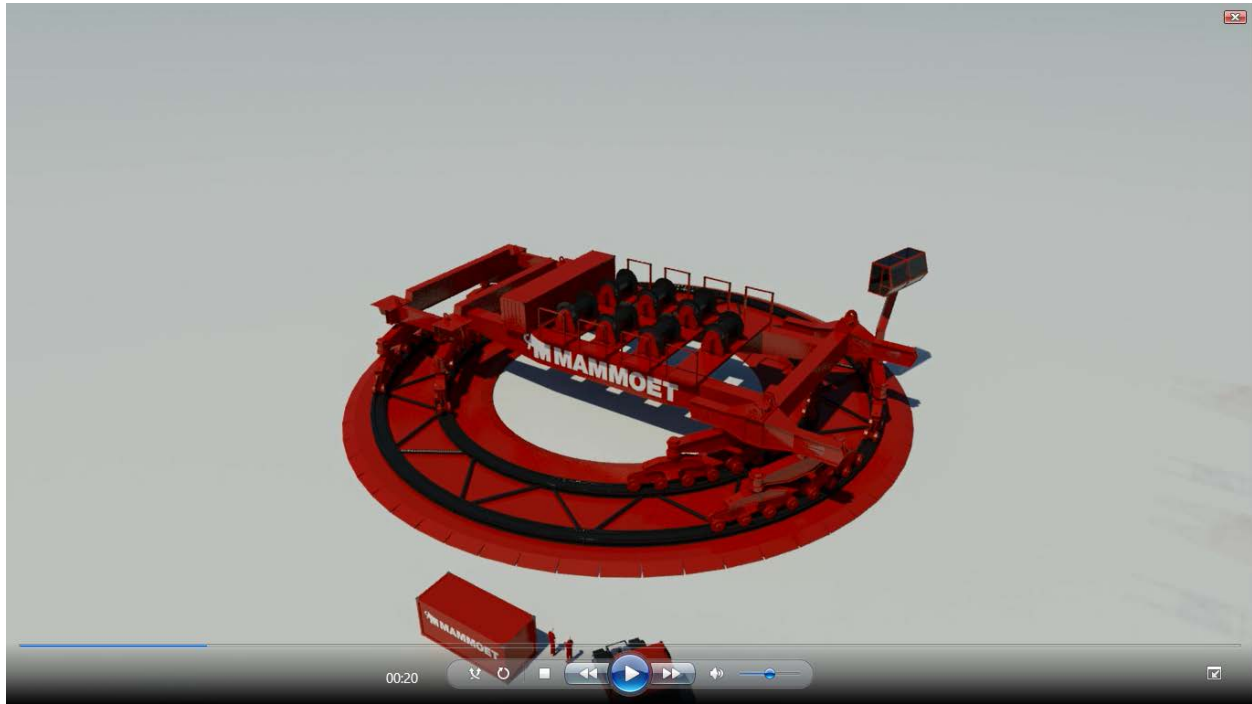
Photo 1: preparing to lift counterweight support frame 19/08/14



Photo 2: counterweight support frame and front sections installed 23/08/14

Photo 3: installing winch beams between front and rear.





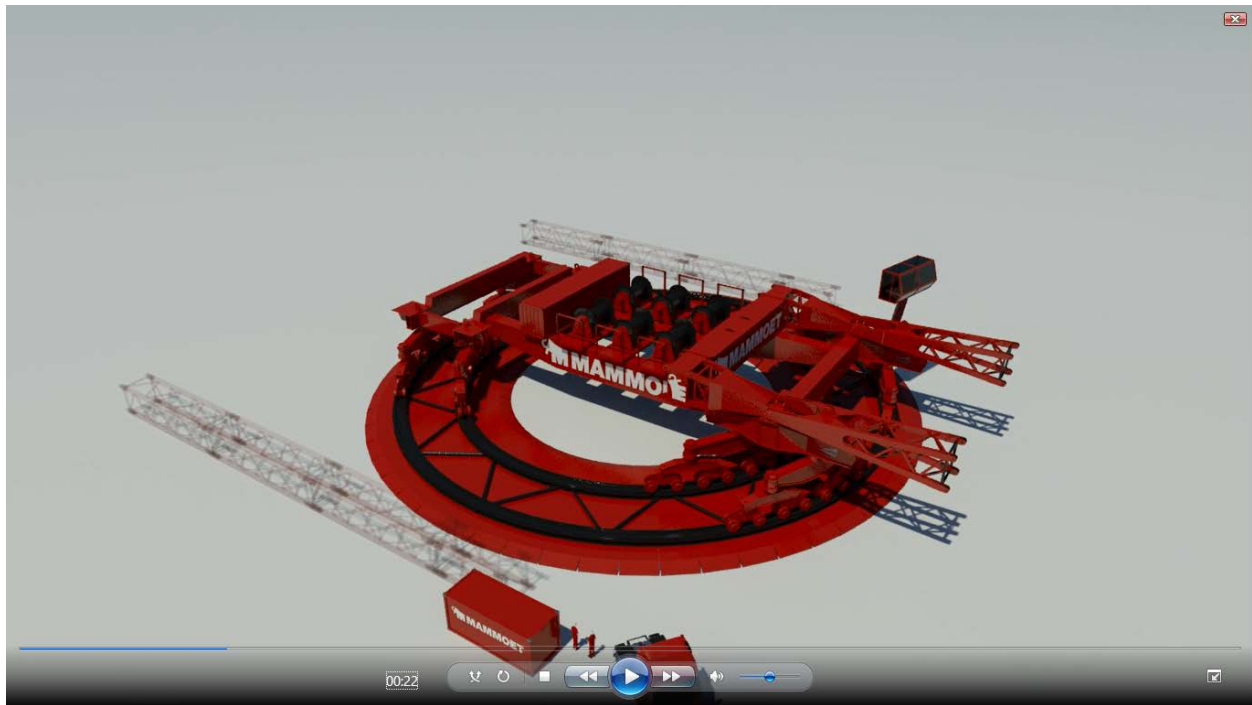
10. Install Hydraulic pipetray support beam/assembling/install pipetray/installing winch support bracing/install hydraulic power unit

Photo 1: installation of winch support bracing 28/08/14



Photo 2: installation of two main engines 28/08/14

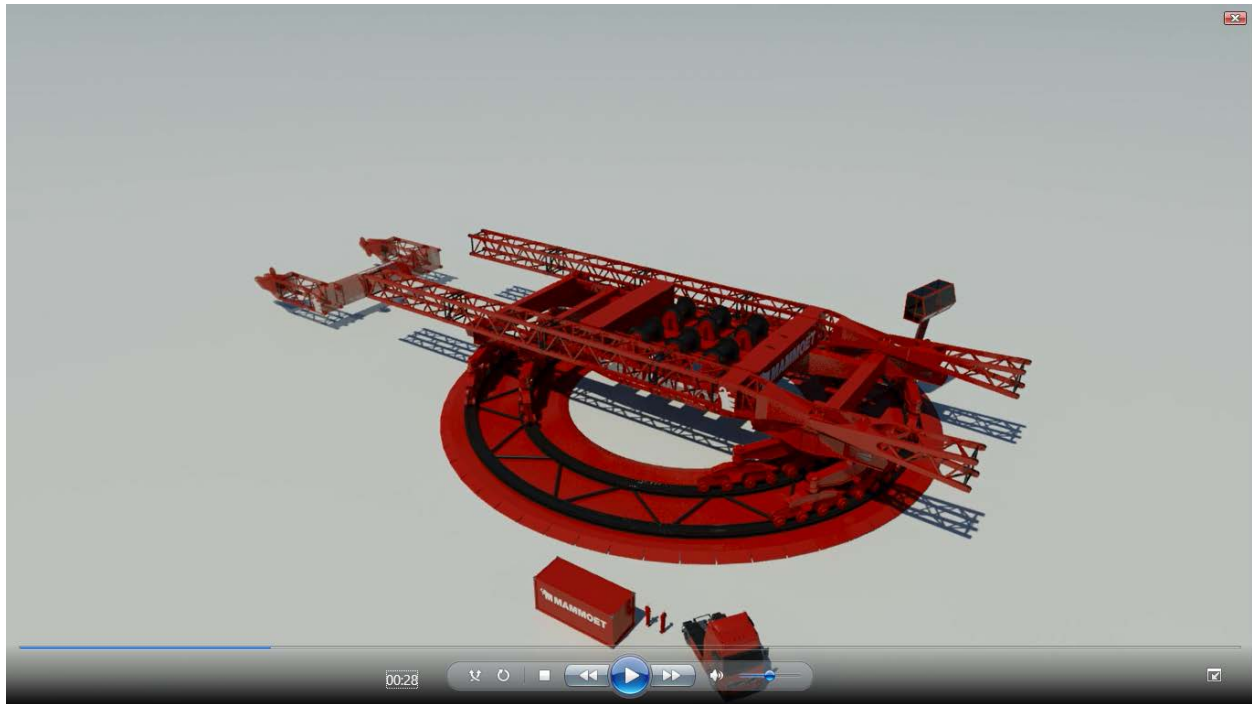




11. install mainboom foot sections

Photo 1: Main boom foot section installed 31/08/14

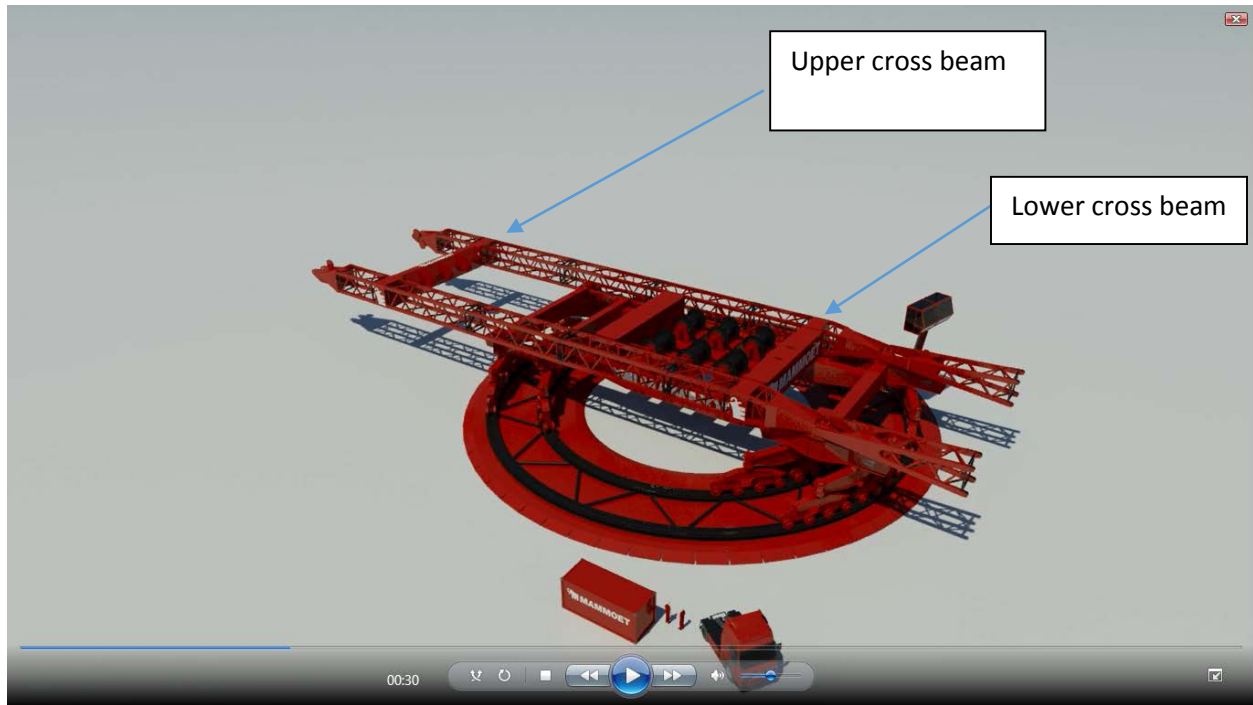




11. Assembling/install back mast foot sections and lower cross beam

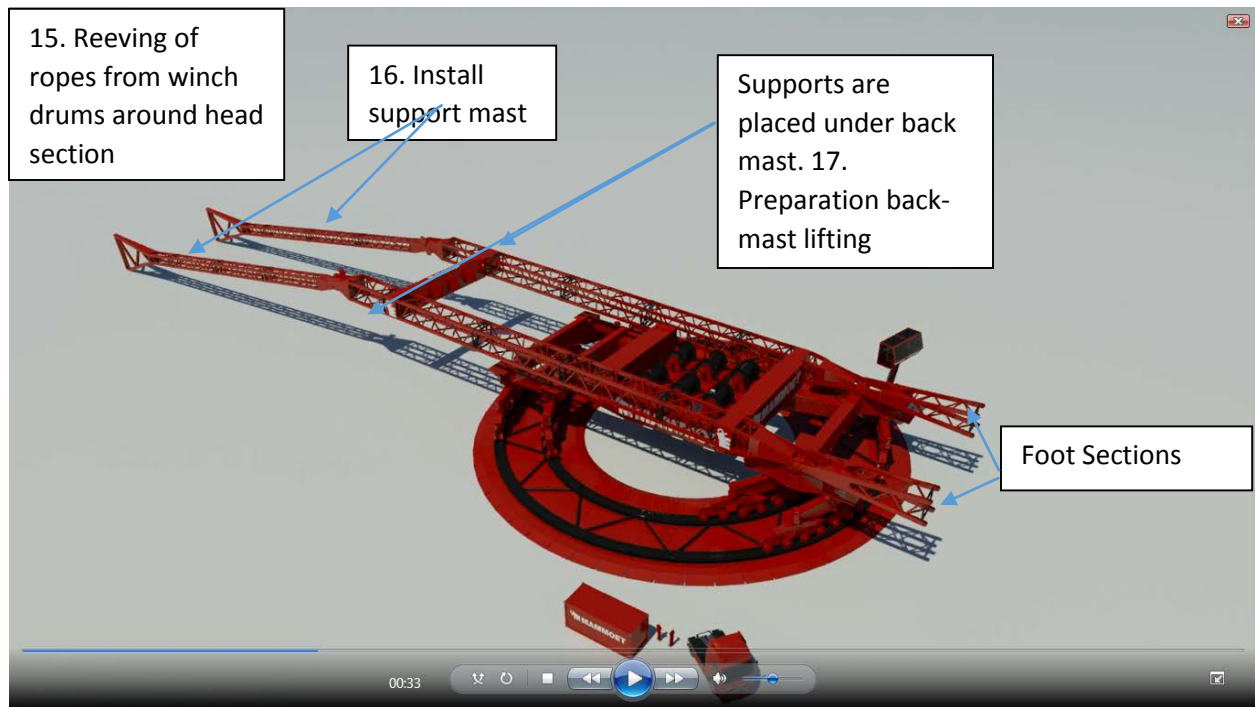
11. in progress the supports are assembled ready to take the 2 No 12m mast sections and the beam 020914





Upper cross beam installed 04/09/14





13. Assembling/install backmast sections and support

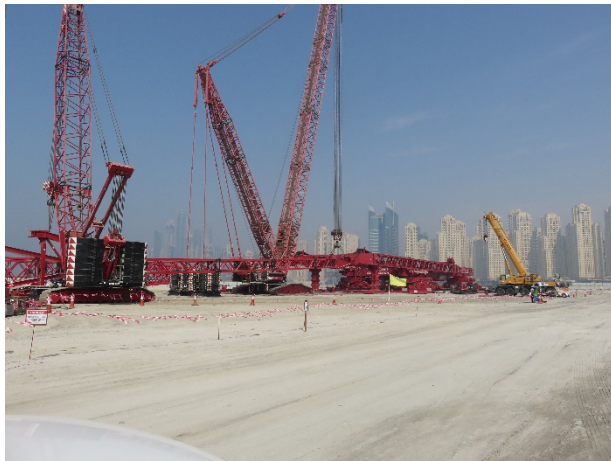
14. Assembling/install upper cross beam, Install backmast head sections/ install W1 and W2





18. Upending backmast with erection spreader.

All set up for lifting 07/09/14



Halfway up

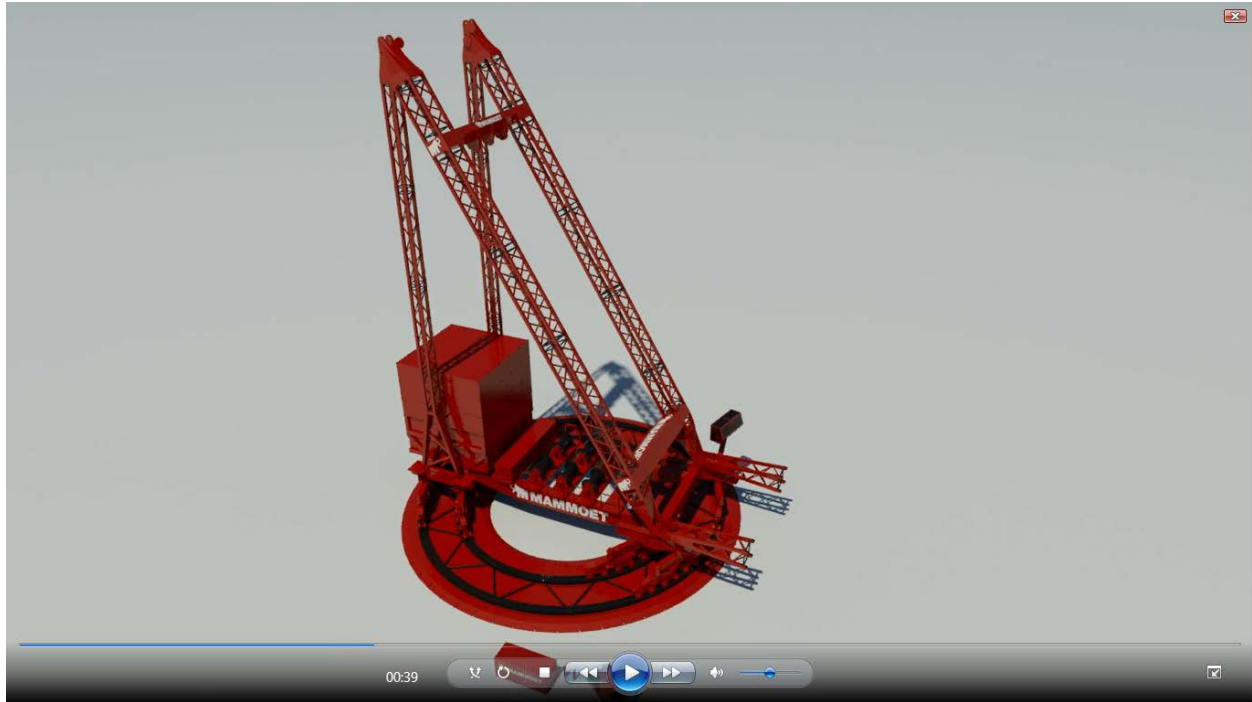


3 crane lift underway 07/09/14



Backmast and support legs in place. 070914

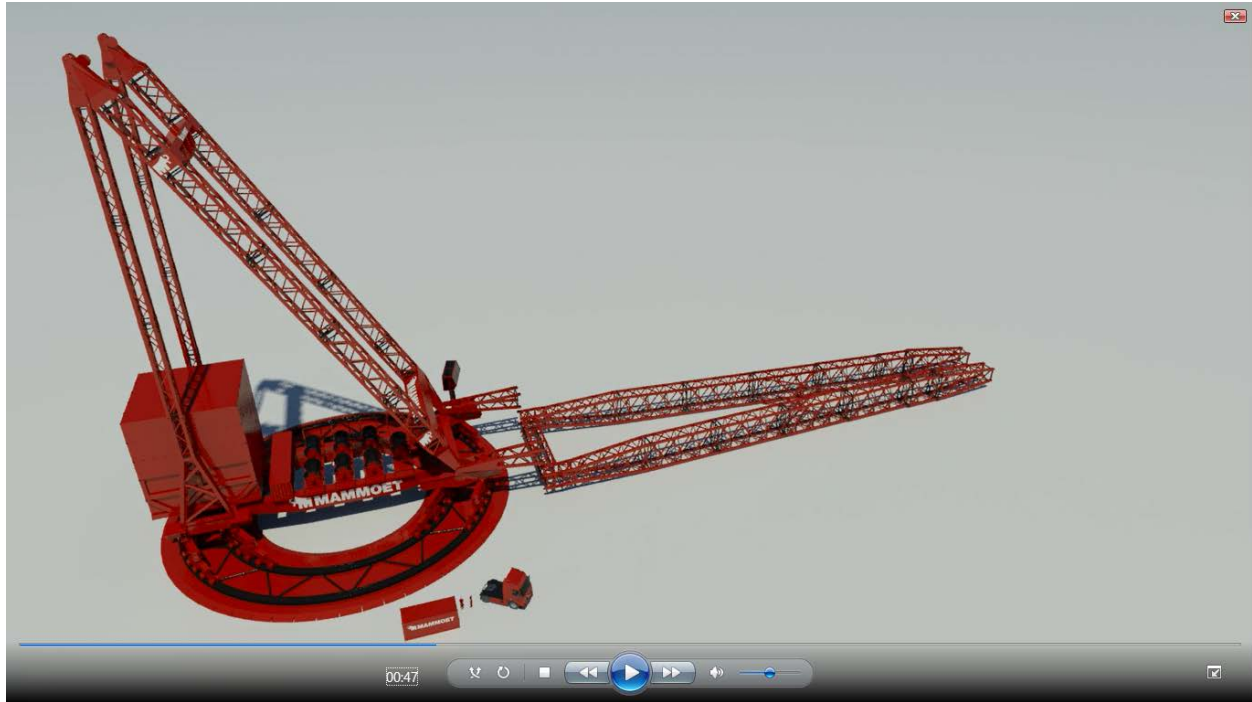




19. Install ballast containers

Installing container 28 of 35 10/09/14

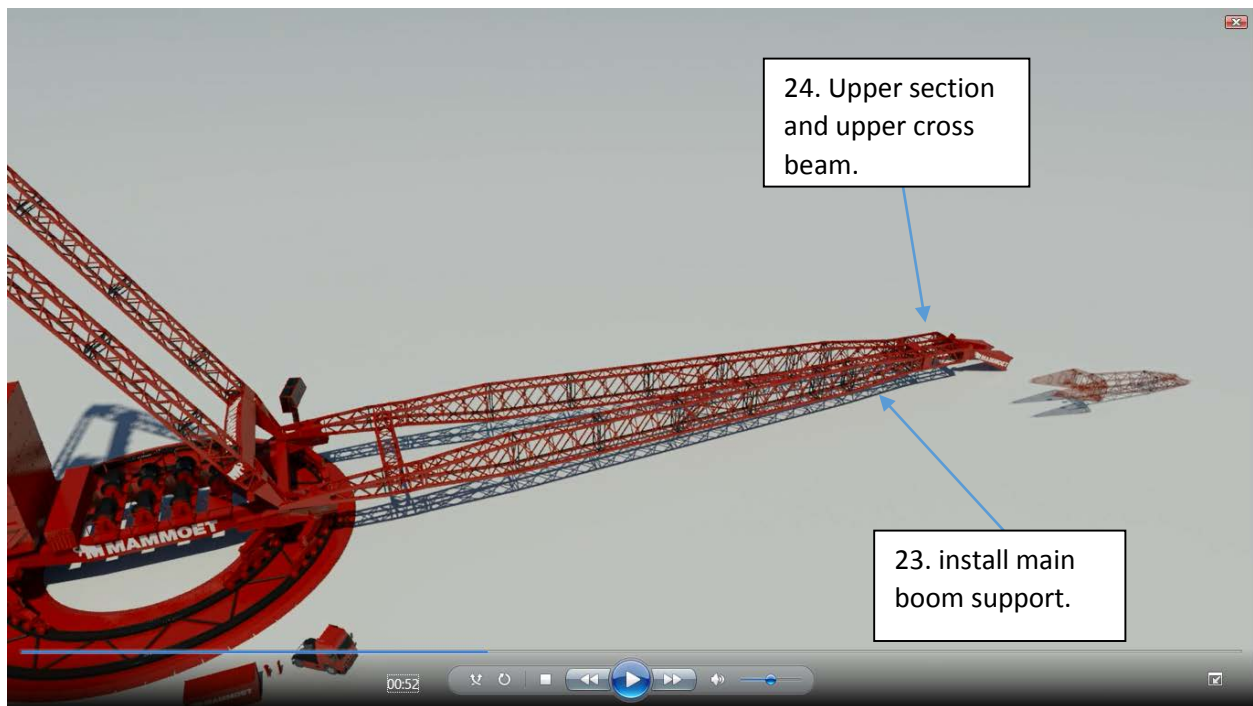




20. Assembling the main boom. 21.Preparation main boom lifting. 22. Install main boom

Main boom installed on 11/09/14

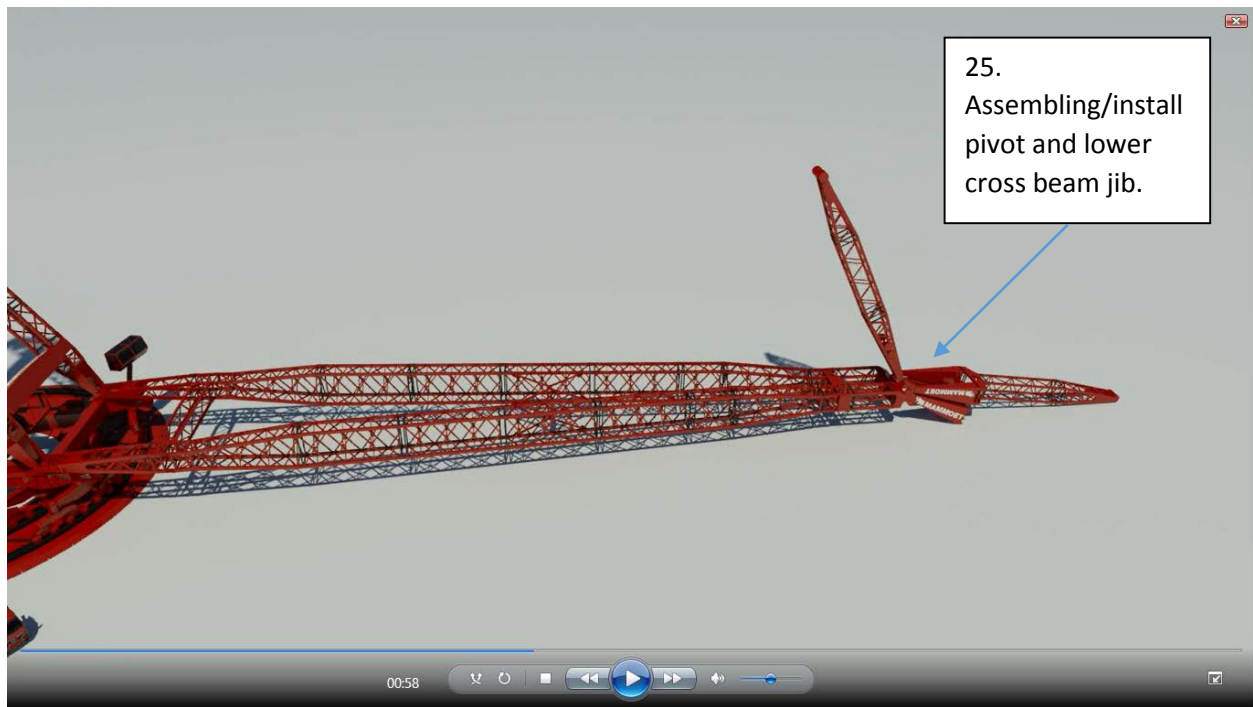




23. Install main boom support. 24. Install upper section/install upper cross beam.

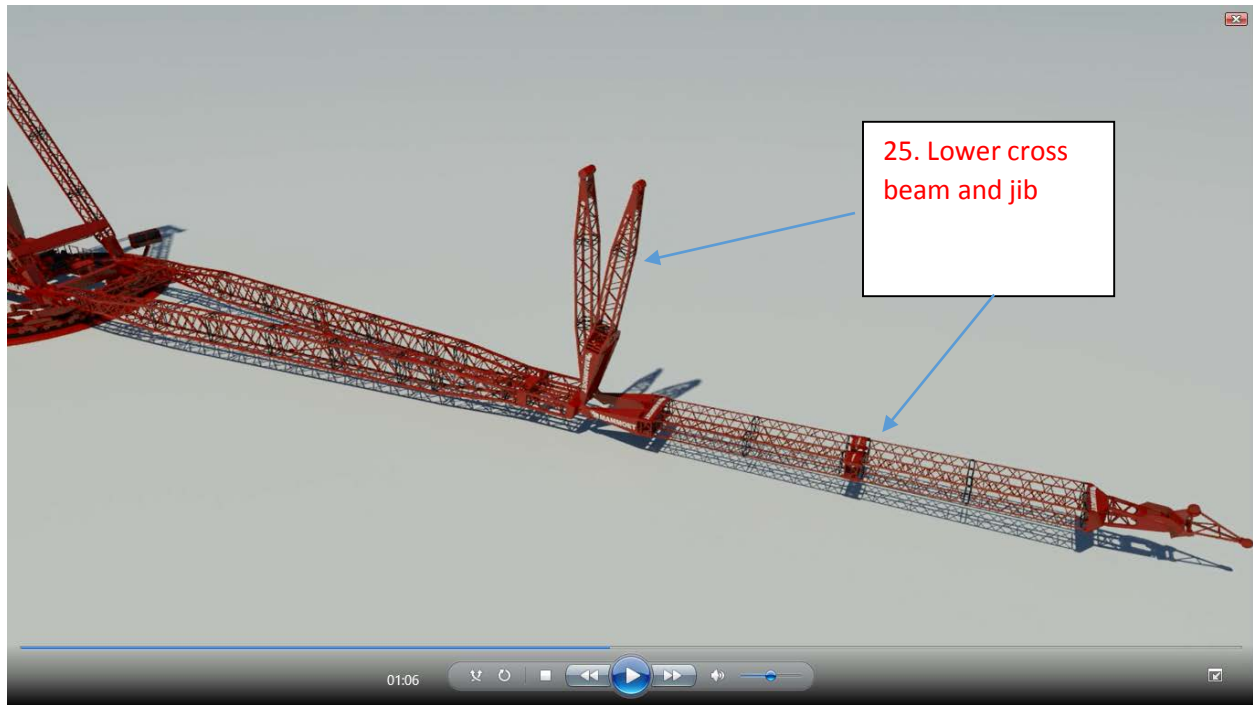
23 and 24 installed 13/09/14





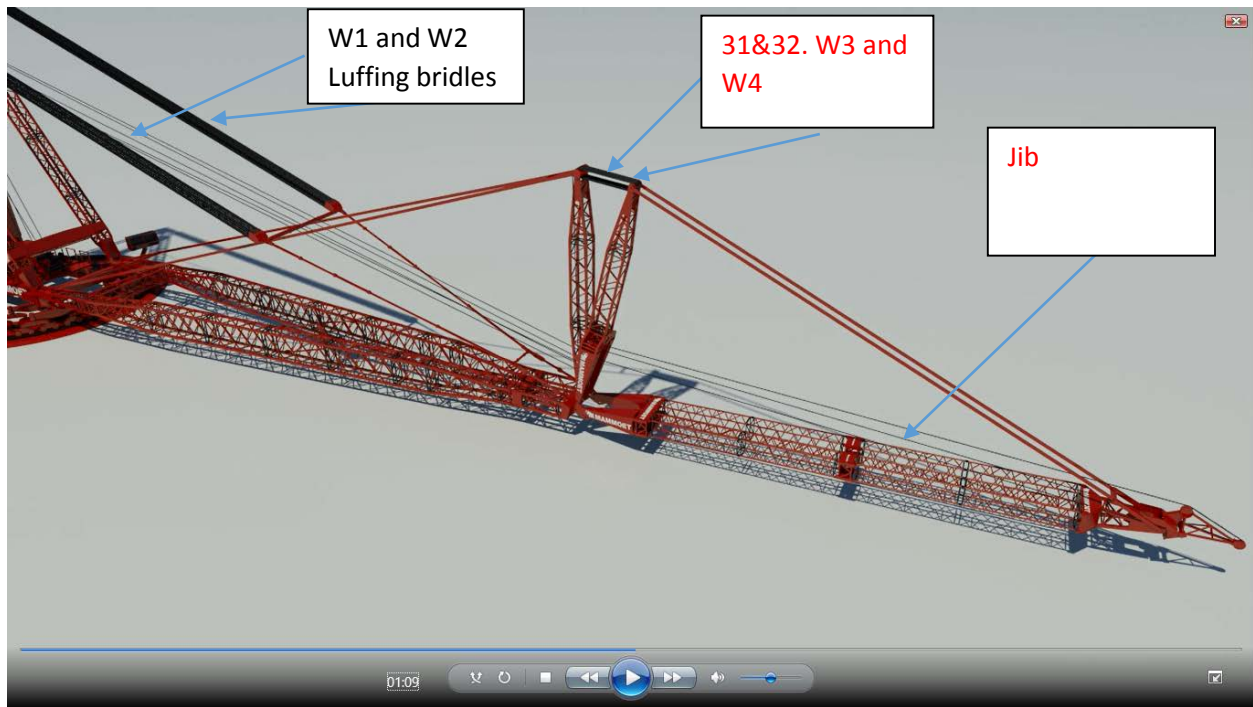
25. Installed 14/09/14





150914



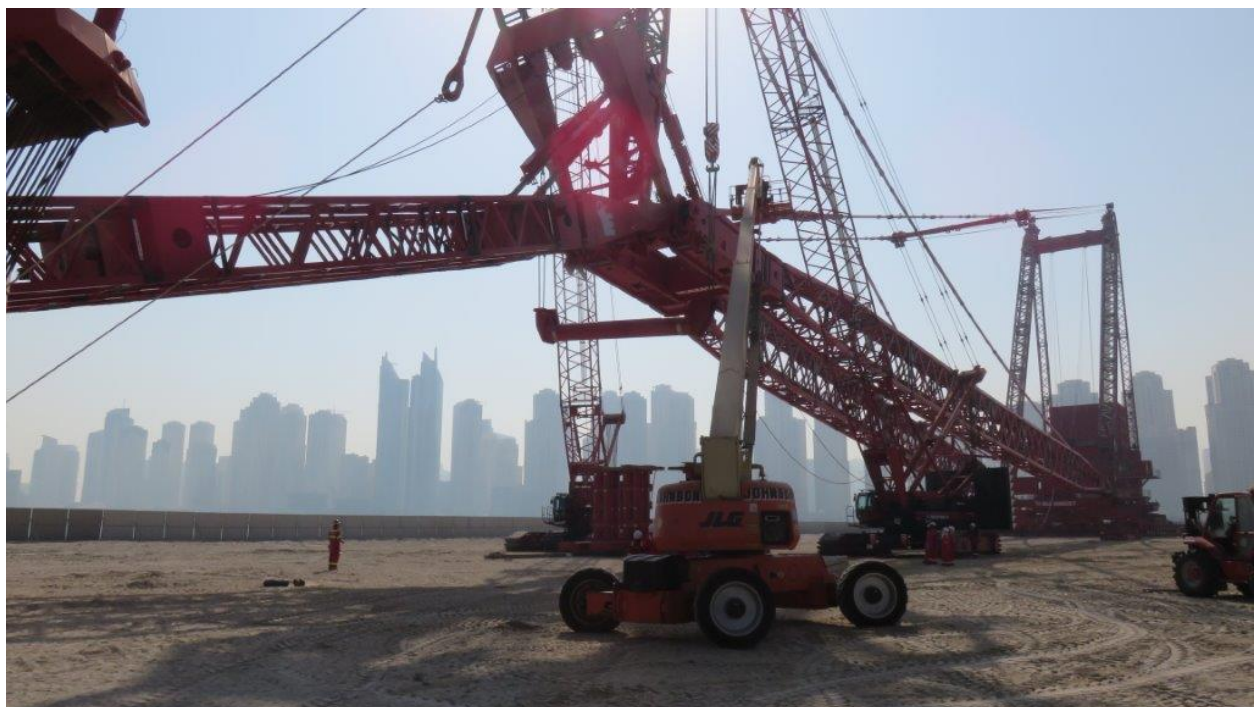


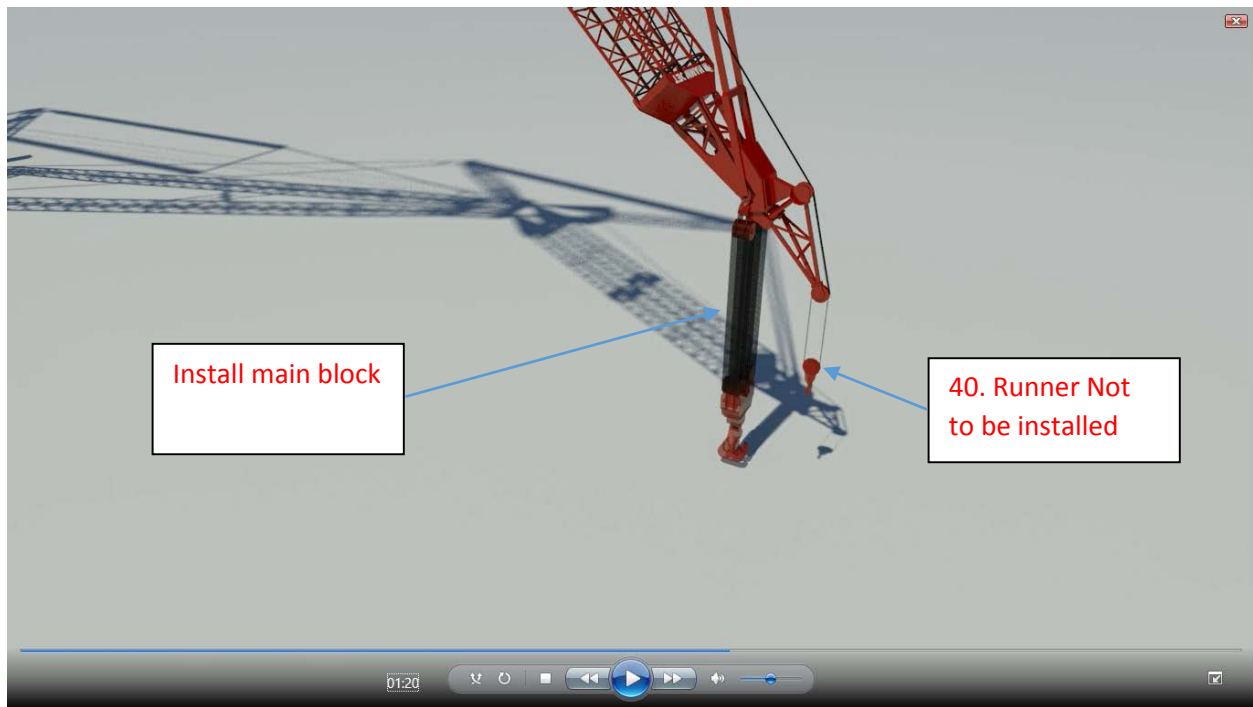
Installing pendant rope and reeving hoist ropes 160914





180914

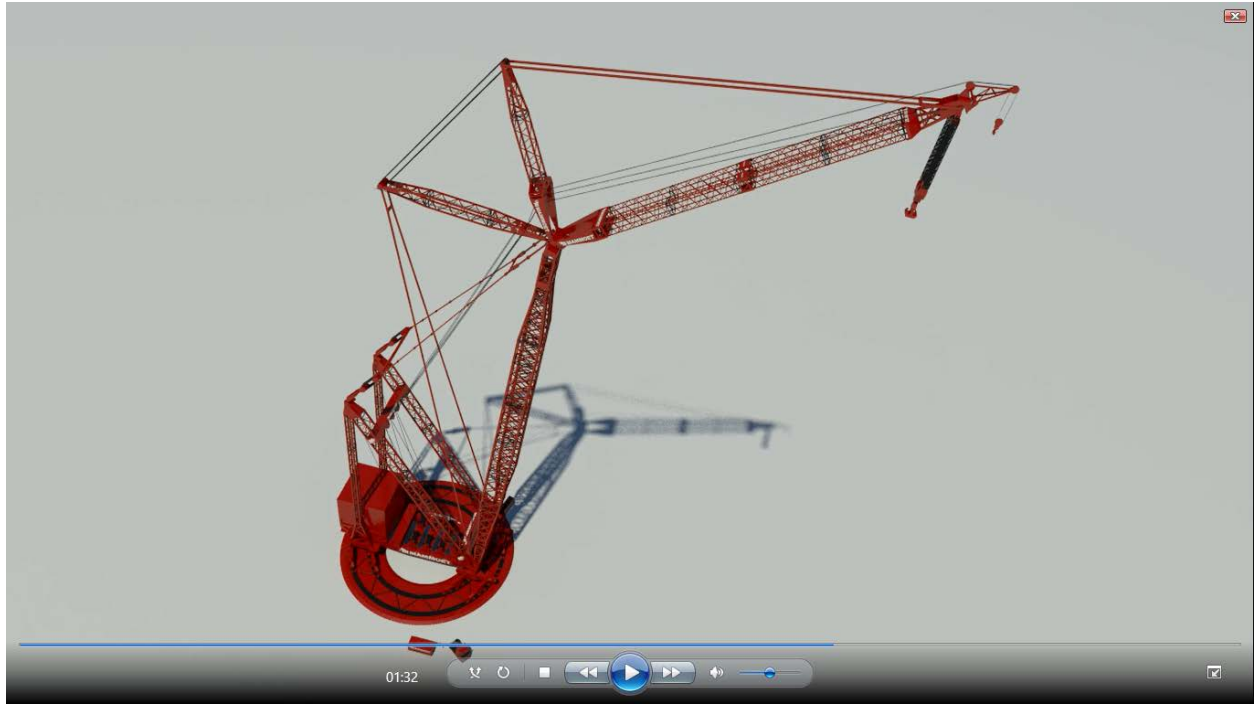




Remainder of images show PTC being put through all operating radius and configuration prior to use of crane. 42, 43, 44 and 45.

3rd party inspection also be carried out prior to first use.





190914

