

# CRANE SAFETY 2019 RAISING SAFETY STANDARDS FOR CRANE AND LIFTING OPERATIONS

Institution of  
**MECHANICAL  
ENGINEERS**

**17 September 2019**

Institution of Mechanical  
Engineers, London

**“IT’S AN ESSENTIAL  
PART OF THE  
CALENDAR  
FOR EVERYONE  
INVOLVED  
IN LIFTING  
OPERATION  
SAFETY.”**

Principal Associate, Hawkins

Hear insights from leading construction companies about recent projects and practical guidance from the industry regulator. Join breakout sessions that will explore the key issues being faced in major construction projects and identify methods to overcome them.

This is a unique opportunity to learn industry best practice and how your organisation can address the challenges of risk and incident reduction, cost savings vs maintenance and compliance with safety legislation.

## HEAR GUIDANCE ON KEY TOPICS INCLUDING:

- Strategies for Improving Safety and Reducing Risk
- Training and Managing Human Factors
- Increased Digitisation and Automation for Lifting
- Materials and Non Destructive Examination
- Legal Responsibilities and Managing Risk
- Predictive Versus Preventative Maintenance Strategies for Lifting Assets
- Effectively Balancing Maintenance Requirements with Cost Constraints

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# Sennebogen 613E

The Sennebogen 613E is a mobile telescopic crane with a 16 tonne maximum capacity and 24 metre maximum hook height. It has been modelled in 1:50 scale by Ros Models and is available in two versions, wheeled mobile or crawler.

The wheeled version has some simple detailing of the transmission underneath, but the wheels and tyres look realistic. The wheels roll easily although they are loose on their mountings with both axles steering a reasonable amount. The outriggers are metal and are decorated with nice chevrons and the jack cylinders are nicely stiff.

The tracked version has very good tracks and they can be posed in the extended operating or retracted transport mode.

Above the chassis both models are essentially the same. The plastic cab has good details including door hinges and small graphics. Inside, the controls are different for the wheeled and tracked versions. The cab elevates although some looseness in the mechanism creates a slight cab tilt.

The superstructure frame is metal with high quality paint and graphics, and the Sennebogen name is embossed at the back. The boom is detailed well,

although large connection rivets spoil the look a little, both at the base end and at the boom head. Metal sheaves are used throughout. The boom raises, but the lift cylinder is a little sticky and the maximum boom angle seems a little less than expected. It telescopes with some stiffness, and each section locks at full extension. The luffing fly jib is a metal part with a nicely modelled luffing cylinder.

The large hook block has one

sheave and the single line hook matches the jib well. The winch is operated with a key. However, the hoist rope is too stiff, so it does not pose well and raising and lowering the hook is problematic.

A separate metal working platform is included, and it is a robust part, which can be levelled to cope with the different boom angles.

These Sennebogen models look good and have some nice details and reasonable functionality. They are available to purchase from the Sennebogen shop for €106.

To read the full review of this model visit [www.cranesetc.co.uk](http://www.cranesetc.co.uk)

## Cranes Etc Model Rating

Packaging (max 10)	7
Detail (max 30)	24
Features (max 20)	14
Quality (max 25)	18
Price (max 15)	11
Overall (max 100)	74%



Luffing fly jibs installed



Wheeled version with outriggers set



Steering wheel in the cab of the wheeled version



Elevating cab



Work platform fitted