

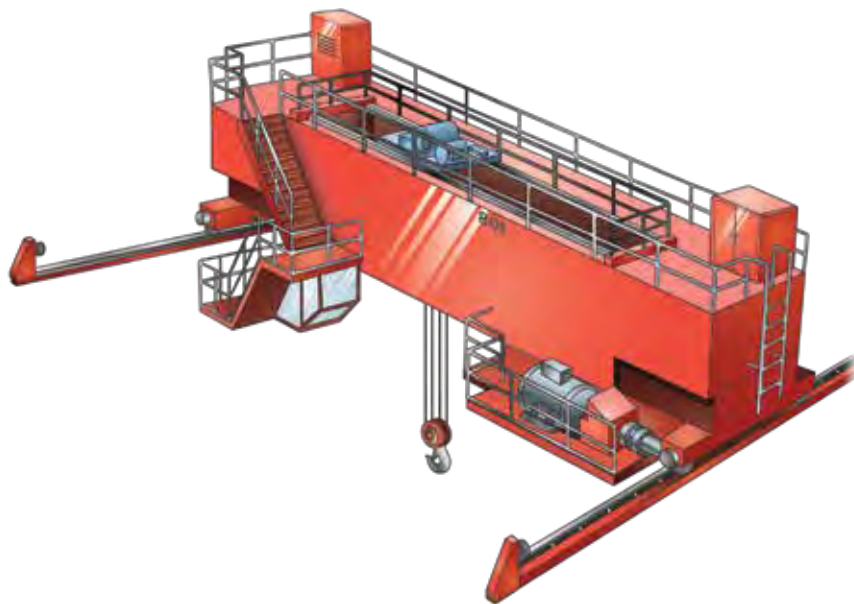
BRIDGE AND GANTRY CRANE SAFETY AND LICENCE GUIDE



Training support material for:

TLILIC0006

Licence to operate a
bridge and gantry crane



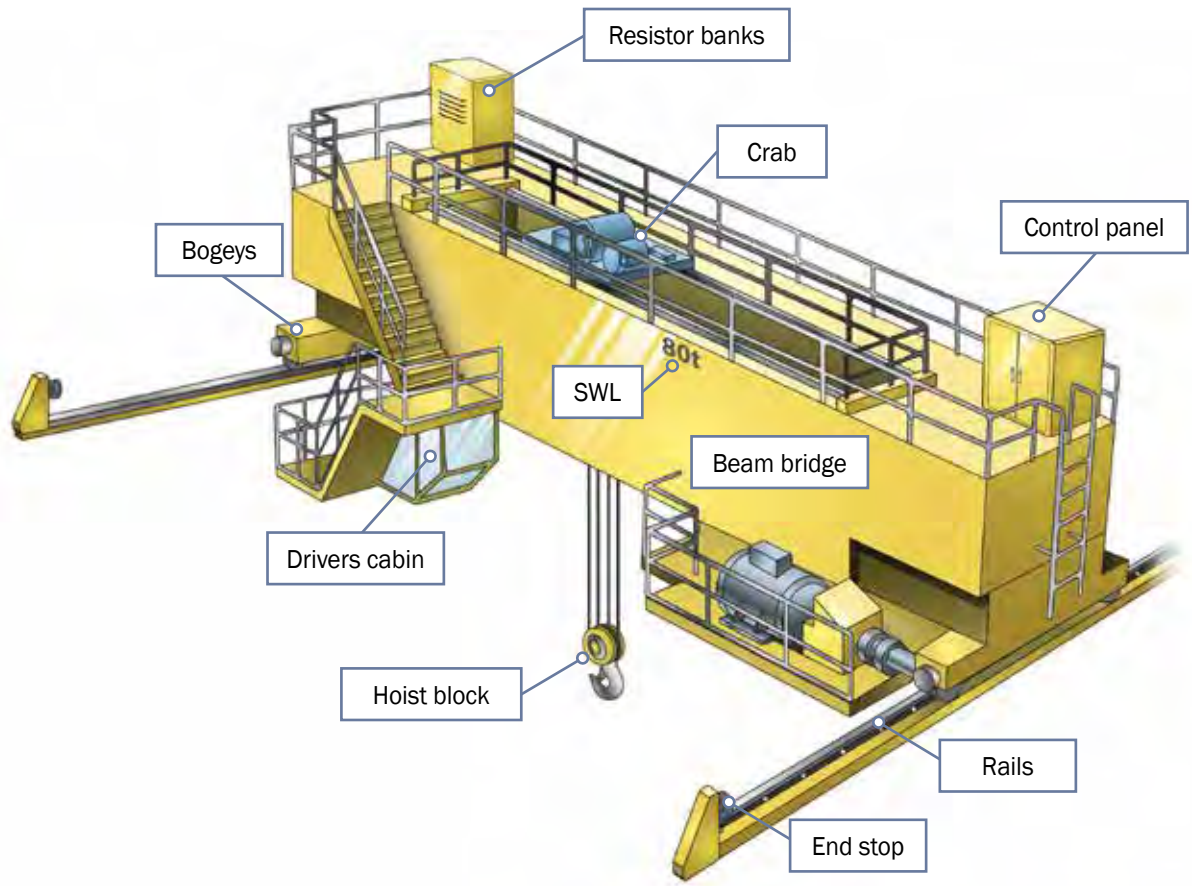
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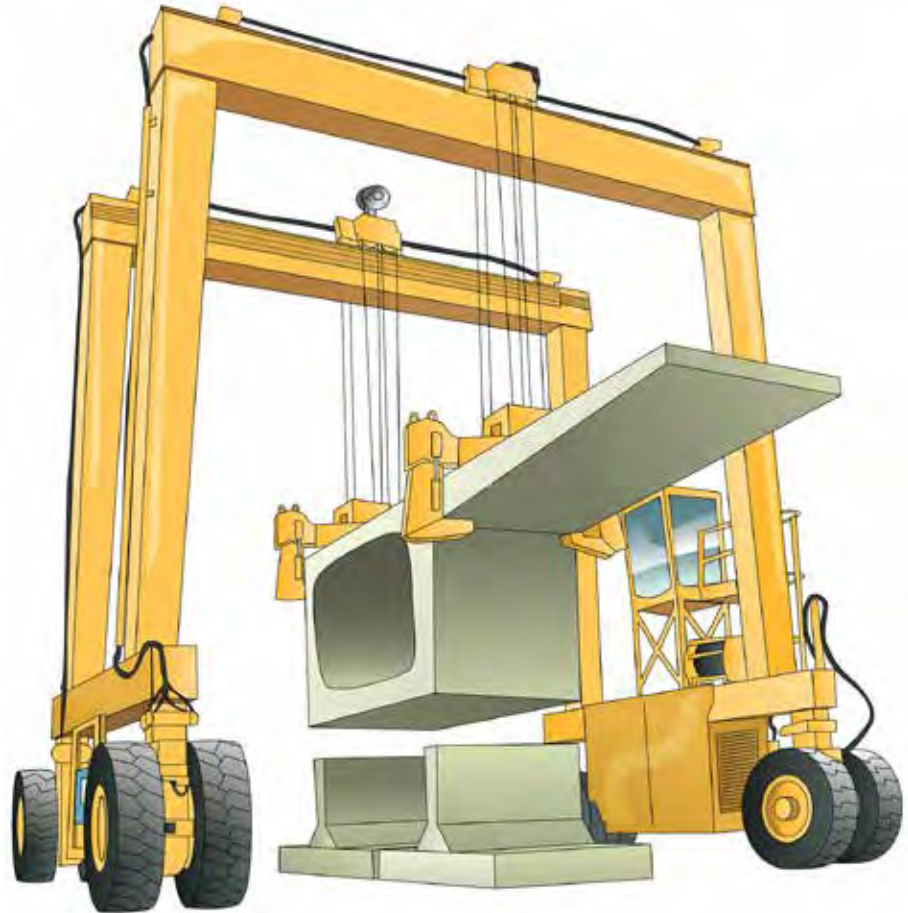
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Parts of a bridge crane



What is a gantry crane?

- A gantry crane has a bridge beam which is supported by legs
- The legs are mounted on carriages which move along supporting surfaces or deck levels
- They have a crab with at least one hoisting mechanism which moves from side to side across the bridge
- Gantry cranes are used in factories and outdoor areas including railway and shipping yards



PLAN WORK

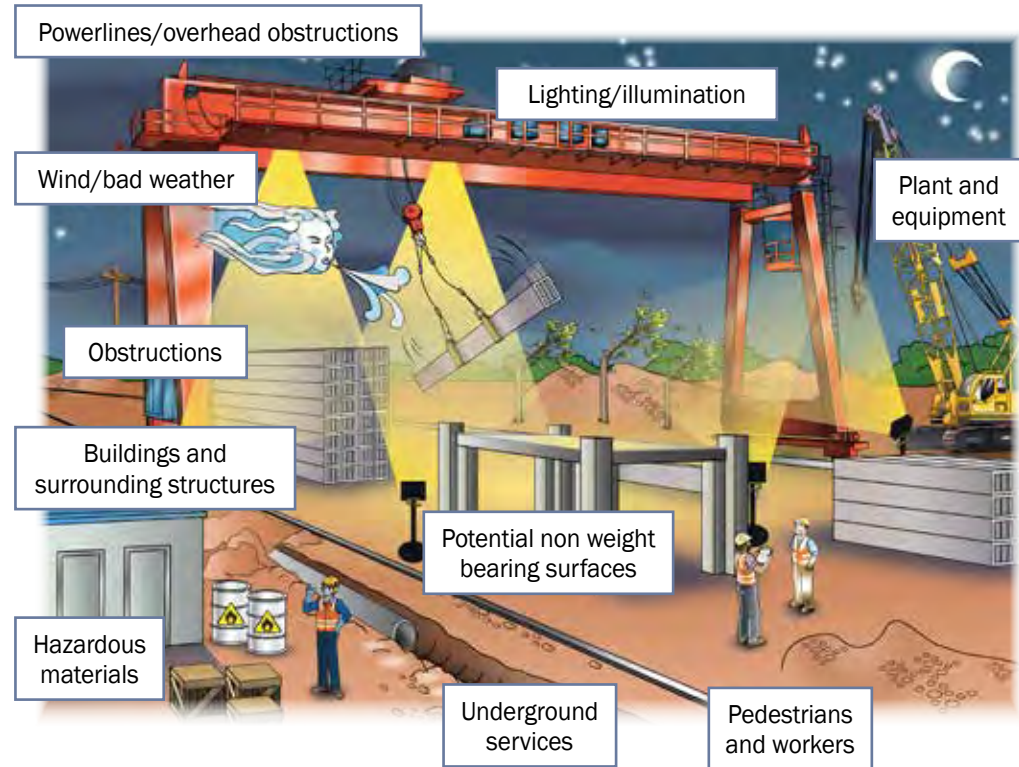
Element 1



QUESTION 11

What are some hazards you should think about and plan for?

Some common workplace hazards to be aware of and plan for:



QUESTION 49

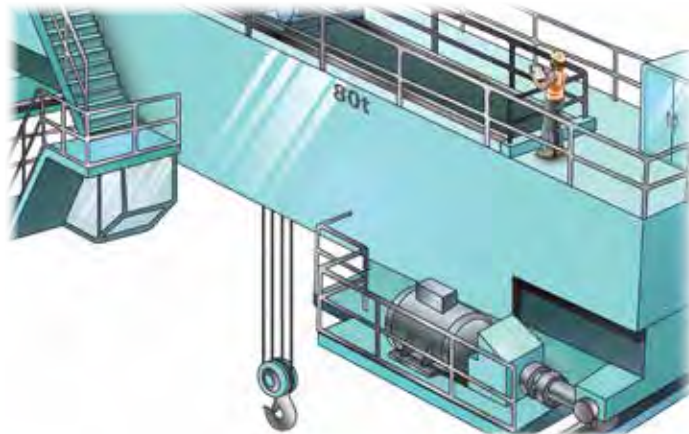
Why must you check the crane and its equipment before starting work?

So you know the crane and its equipment are safe to use and are right for the job.

**QUESTION 50**

When do you check everything works on the crane?

Before you use it.



TRANSFER LOADS

Chapter 3



QUESTION 87

Why do you need to have the lifting hook directly above the load (over the centre of gravity)?

- To make sure you do not drag or snig the load.

**QUESTION 88**

Name four (4) reasons why you need to do a test lift.

- To check the load is stable
- To check the load is secure
- To check the crane is not overloaded
- To check the crane's working properly
- To check the load is slung correctly for its weight and shape.

