

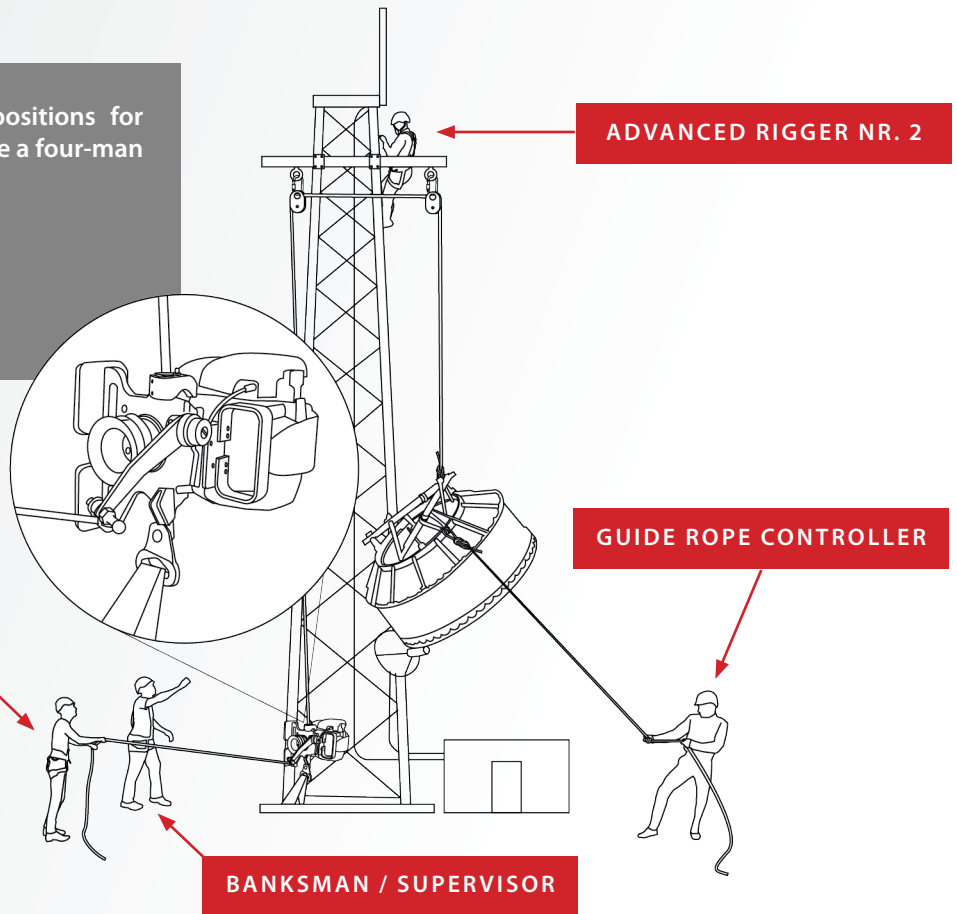
RIGGING TEAM COMPOSITIONS

Gravity often gets asked how many qualified riggers are needed to perform a lifting or lowering activity in a safe manner.

Our approach and answer to such a question, will be by means of conducting a risk assessment of a conventional lifting activity. The image below illustrates an Advanced Lifting System where a large load of 250 kg is lifted by means of an Eder Capstan Hoist using a 1:1 Mechanical Advantage System.

The most optimal team compositions for advanced lifting activities will be a four-man team.:

- 1 x Banksman / Supervisor
- 2 x Advanced Riggers
- 1 x Guide Rope Controller



When performing a risk assessment on site, there will be two main areas of interest. The first focus area will be the base of the tower where the rigging system is installed. This area requires the first layer of competence to control the risks at the base of the tower. The second area of interest will be at the top of the tower where the telecoms equipment will be installed onto the structure. This is also the same area where the rigging system will need to be installed. This area also requires a person competent in Advanced Lifting activities.

The Guide Rope Controller does not require any formal training and can be inducted by the Site Supervisor regarding the associated risks when controlling the load. Looking at the high-risk areas a minimum of two competent Advanced Riggers are needed on any telecoms lifting worksite. These same principles can be applied for Basic Rope Rigging activities and therefore a minimum of two Basic Riggers are required for lifting loads less than 100 kg.

The risks for each site differs and therefore said risks and team compositions should be evaluated on its own merits, in the lifting plan. Should you need further guidance you are welcome to contact Gravity and we will gladly assist where possible.

