

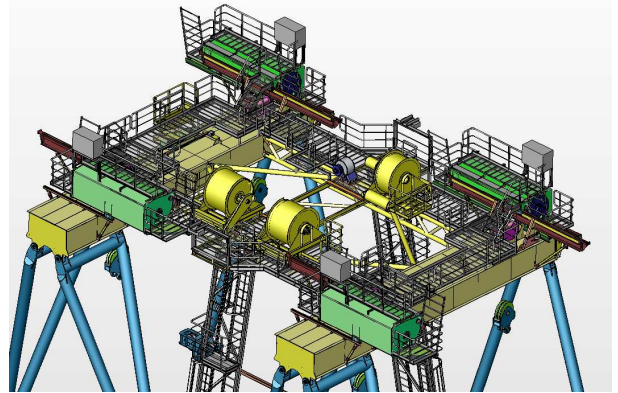
## 400Ts Gantry crane serving a horse frame

### Application

The gantry crane is designed to handle a horse frame used for laying concrete pipes on a water depth of approximate 55m.



Picture from website Archirodon



Main mechanical components on 400tS gantry crane

On top of the gantry 4 moving main hoist winches (green) are situated. Commonly each winch would have a spooling device. In this case however there was no space available for the use of a spooling device. For that reason the whole winch moves and so provides smooth spooling of the hoisting wire.

Additional 3 umbilical winches are mounted to transfer power/signals etc to the horse frame

### System Components

Main mechanical components	
- Travelling main hoist winches	4 pc's
- Umbilical winches	3 pc's
- Taut wire winch	1 pc
- Cable reels	2 pc's
- Cross wire load measuring	1 pc
- Cross link tooth rack drive	1 pc

### Technical specifications

Gantry SWL 400mT  
Own weight 161mT  
Dimensions 22.00 \* 13.50 \* 18.00 m  
Hoisting speed  
Lifting 4.5 m/min  
Lowering 6.0 m/min

### Features / Innovations

Transported by means of 40'containers  
On board hydraulic power and controls  
Flexible construction.  
Moving main hoist winches

### Certification

Germanischer Lloyds



Front view Gantry with horse frame