

Project details

Project no.	15065145	Weight of load [Te]	1365.80
Project name	ICAVE - STS and RTG Relocation	Country	Mexico
Client	ICAVE	Industry	Marine
Year	2019		

Work description

The STS cranes were loaded on the 300' x 100' barge by 2 x 28 lines of SPMTs, and a combination of Orange Beams, held together by Williams Rod and clamp beams. To pick the cranes up, the structural team in the Netherlands designed brackets, that accommodated the Orange Beams to pick it up. The RTG cranes are able to drive onto the barge with their own engine, they were side loaded on the barge with steel plate.

As the barge went out into open ocean for an 2 hr voyage an MRA was done to determine the loads for tie down and the loads going into the barge. To reduce the stress on the barge the heaviest STS crane was only set down on the barge 30% while 70% of the weight stayed on the SPMTs. The tie down for the STS cranes was done with 4 steel braces and clips on the wheels, all the RTG cranes were tied down with chains.

At the new port the cranes were off loaded, and after the removal of the sea bracing and the brackets ready for use again.

Some facts about the project:

- Heaviest STS crane weighed 1365 Te
- Heaviest RTG crane weighed 197 Te
- 56 Lines of SPMTs
- 300' x 100' x 20' barge
- 3 voyages with (1) STS and (4) RTG and one voyage with just (4) RTGS.
- In December 2019 another (2) STS cranes and (10) RTGs will be moved.

Used equipment

Category	Type	Amount	Description
Load in / Load out	Ballast system 350m3	8	
Trailers	SPMT	Double 28 Line	
Naval	Barge	300' x 100' CBC Maximus x 20'	

Images

