

ETHOXYLATION PLANT



Locations

Laem Chabang Port, Thailand.
Pasadena, USA.

Duration

4 Weeks

Cargo

Modules	x15
Filtration vessels	x3
Ancillary equipment 40ft HC	x73

Total Weight

Modules	921 Tonne
Filtration vessels	129 Tonne
Combined weight	1050 Tonne

Equipment Used

Mobile crane	25 Tonne
Hydraulic trailers	
Wireless load-cells	50 Tonne
Oxyacetylene	(Gas Axe)
Metal arc welder	
Angle grinders	
Site cabin	
Fabrication tent	

Services Used

Project Manager
Project Engineer
Rigging team
Preservation team

SCOPE

CEA Project Logistics were contracted for preservation services, installation of steel and wood supports, weighing and Centre of Gravity reporting and the loadout of 15 modules and 3 filtration vessels for an Ethoxylation Plant in Pasadena, Texas.

CEA Team's designed, fabricated on site and installed temporary steel and wooden supports for over 300 valves, each support secured every valve in position to prevent damage and stresses to the pipe work and other structures during transportation.



THE ETHOXYLATION PLANT BEFORE DISASSEMBLY IN LAEM CHABANG, THAILAND



WIRELESS COMPRESSION LOAD CELLS USED



MODULE WEIGHING AND RECORDING



WASHDOWN OF MODULES

The Project Engineer for CEA assisted the project by providing services for weighing each of the 15 modules and 3 vessels and providing detailed engineering CoG weighing reports to the clients. Preservation work was carried out for every control valve and pump on each of the modules and pipe racks to ensure protection against oxidation rust and dust from moisture and air.



STEEL SUPPORTS INSTALLED BY CEA



PRESERVATION OF ALL CARGO



FIRST CARGO LEAVES THE FABRICATION SITE

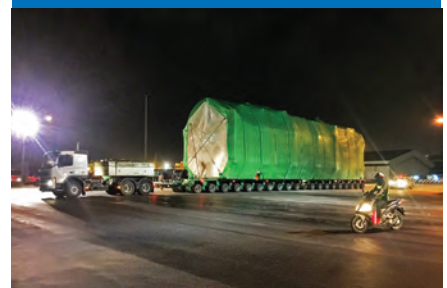
For the final part of this project, CEA provided a full scope of loadout services to transport the 18 units on hydraulic trailers from the fabrication shipyard to alongside vessel in Laem Chabang Port. Route Transport surveys had previously been carried and a CEA escort vehicle accompanied each convoy to ensure maximum safety during the transportation. Modules were readied for export and loadout was completed by the vessels onboard cranes.



CEA VEHICLE ESCORTS THE MODULES



LOADOUT OF THE MODULES AT LAEM CHABANG PORT, CHONBURI



CONVOY ENTERING PORT AT NIGHT

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