

ETHYLENE PLANT



- LOCATION

Texas - USA

- PROJECT SUMMARY

Sarens successfully completed a difficult single-object lift of a massive distillation column and transported 151 pieces of heavy equipment over the 13 mile port-to-plant stretch for a new ethylene plant in Corpus Christi, Texas.

Sarens used its CC 8000-1 with boom booster to lift the 707-US T distillation column at the 70,7 ft (24 m) radius required. Sarens also mobilized its Manitowoc 16000, Liebherr LR 1750, and SPMTs to successfully execute the project.

Sarens easily handled traffic control, overhead obstructions, steep grades, and uneven roadways to complete the project on time and within budget.



ETHYLENE PLANT SUCCESS

- **OBJECTIVE**

Sarens was commissioned to transport and lift a 707-US T, 285,8 ft tall (87,1 m) distillation column and also transport 151 pieces of equipment in the Gulf Coast region of the United States.

For the distillation column lift, there was limited ground bearing to 2.5 kip/square foot and owner requirements to meet 90% of crane chart at the new plant.

- **SOLUTIONS**

Sarens provided a unique solution offering their CC 8000-1 with boom booster lift. The boom booster increased the crane's capacity by up to 90%, allowing this 1.764-US T class crane to outlift any crane model in the 1.100- to 2.200-US T class and some 3.300-US T capacity cranes under certain conditions.

This augmented the crane's lifting capacities by 5% for this configuration, giving Sarens the necessary increased capacity and rigging headroom to lift the vessel.

- **RESULTS**

All the transport and assembly efforts came down to a single lift, performed cleanly within a few hours. Throughout the entire lift, the CC 8000-1 crane ran smoothly and Sarens was able to provide precise movements to position the load with ease.

