



PROJECT GALLERY

COMPUTING THE ANGLES FOR SUCCESS



UTC Overseas recently delivered 734 MT/809T of power generation equipment to east coast South America's to power a refinery. A pair of engines (295MT/325T each) were offloaded from a modified deck barge near the job site using Goldhofer hydraulic transporters. UTC engineers computed the dimensions for a specially dredged channel to the riverbank and angles and turning arcs needed to assure the 25' high load could safely negotiate the sloping barge exit ramp and a sharp turn nearby.

(TOP L - Clockwise: Deck barge carrying two engines approaches river bank via UTC-engineered, specially dredged channel; TOP R - Bow-on view of barge and engineered exit-ramp support pad. The crossbar for the ramp lift was modified to ensure clearance for the nearly 25' high engine on its transporter; LOWER L - UTC engineers also had to carefully compute the turning arc needed to negotiate a tight left turn coming off the pad; BOTTOM R - At the plant site, a pair of Goldhofers are maneuvered underneath an engine to facilitate its insertion sideways through the plant door and onto the floor for final mating with a generator unit. The project involved delivery of two engine-generator sets.

For the full story on this UTC Project: www.utcoverseas.com/news/May2015.pdf