



**Tarsco**<sup>®</sup>  
a TF Warren Company

**Full service provider for  
storage tanks and terminals**

United States LPG imports into the Dominican Republic have recently dominated the island's supply. This created the need to expand the country's LPG import facility in San Pedro de Macoris.

The project expansion included constructing a new facility just east of the original terminal to create 600,000 bbls of refrigerated LPG storage and 180,000 bbls of butane storage. This increased capacity would feed the existing terminal and would also create export capability.

To achieve this, Tarsco was awarded a contract that included construction of two (2) LPG tanks and one (1) butane tank. The turnkey solution included engineering, procurement, fabrication, construction, and testing on the tanks:

- (2) API 620 dome roof LPG tanks, each 174' dia. x 80' high; capacity of 300,000 barrels each; total capacity of 600,000 barrels
- (1) API 620 dome roof Butane tank 136' dia. x 80' high; capacity of 180,000 refrigerated butane

The scope of work also included the tank foundations, tank insulation, piping, containment dike, refrigeration system, compression system for boil-off gases, fire water system, LPG pumping system, control system, and earthing and lightning protection. Tarsco utilized services within its company structure to provide a turnkey solution on this project.

By utilizing its roof air raising technology, Tarsco constructed the dome roofs near the bottom of the tanks, air raised them to their final position, and then welded the roof connections. Personnel safety was always paramount during this procedure, so by constructing the roofs at a low elevation, Tarsco limited workers' exposure to dangerous heights. The entire project was carried out with 175,000 man-hours and was completed with zero safety incidents.



## LPG FACILITY EXPANSION

### STORAGE TANK CONSTRUCTION San Pedro de Macoris, Dominican Republic



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