

Diesel Power Plant for Fibertex Corporation's Plant Expansion

Detailed Engineering Design of a Diesel Power Plant



Client

Fibertex Corporation)

Project

Diesel Power Plant for Fibertex Corporation's Plant Expansion

Location

Rizal Philippines

Project Period

Start May 1992

End December 1993

Project Description

The Project calls for the installation of two diesel electric generating units with a capacity of 2,250kVA each. The plant is located at Fibertex facilities in Taytay, Rizal. The whole power plant consists of main power building which house the two generator sets, the fuel tank farm and the cooling water system. The Diesel Generator Unit is a low speed type manufactured by Mirrless and was designed to operate using bunker fuel. Two sets of centrifugal fuel separators were incorporated in the design to ensure clean and water-free fuel for the engines for efficient operation. The fuel tank farm consisted of 200,000-liter vertical bunker fuel tank and a 15,800-liter horizontal type tube oil tank and diesel fuel tank. The cooling water system consisted of two-bottle type cooling towers and two horizontal split type centrifugal pumps with 522-gpm capacity.

Scope of Services

Trans-Asia was involved in the initial conception and final design of the project.



Making
Technology
Work