

Project Profile

Texas PetroChemicals 

Modular Lab Project

Baytown, Texas

Client Overview

TPC makes chemicals that ultimately go into making the world's tires, carpets, gasoline additives and many other essential items. Their high-purity products are the chemical building blocks for synthetic rubber, nylon, adhesives, catalysts and additives that go into high-performance polymers. The Baytown facility is a 10-acre, world-scale propylene derivatives plant which produces nonene and propylene tetramer, as well as polymer gasoline and propane - 160 million pounds per year combined.

Project Overview

LCS was awarded this contract due to the company's ability to meet an incredibly fast-tracked schedule. The 14 x 60 blast-resistant unit housed a complete analytical testing lab including gas chromatographs. The unit was built offsite and then relocated safely within the "Overpressure Zone" of a production unit which protects occupants from danger in the event of an incident.

The lab provides complete QA/QC facilities including two fume hoods and multiple snorkels for exhaust and an air conditioning unit that provides "once through" air, a bulkhead with the capacity for 24 different gases and six gases pre-piped to owner specified locations and all of the equipment external to the module had to be explosion proof, including the air conditioning unit and exhaust fan. And finally, future flexibility was integrated in the use of this lab.



LCS