

# Project Profile

## Huntsman Consolidated R&D Facility

The Woodlands, Texas

**HUNTSMAN**

Enriching lives through innovation

### Client Overview

Huntsman Corporation's operating companies manufacture basic products for the chemical, plastics, detergent, textile, high-tech, personal care, rubber and packaging industries. Originally known for pioneering innovations in packaging, and later, rapid and integrated growth in petrochemicals, Huntsman-held companies today have revenues in excess of \$4 billion from multiple locations worldwide.

### Project Overview

When Huntsman elected to consolidate their research and development facilities from around the nation to The Woodlands, they elected to bring LCS Constructors on board as their laboratory planner, consultant, and critical systems construction resource.



The project posed significant challenges, which LCS identified and planned for well in advance of groundbreaking. The initial pre-construction phase of the project spanned three months and included intensive programming meetings with lab users, management, and information technology.

The resulting complex contains one fully renovated existing building and two new buildings, plus a major central plant building to support over 175,000 sf of laboratory and office space. Part of the facility is used for high pressure

blast cell research which was built within a blast resistant environment. As envisioned, the new campus provides state-of-the-art open concept laboratories, ergonomic features for the employees, meeting rooms for customers, and an abundance of natural light pouring into the spaces.

Special features included:

- Three custom built super structure fume hoods, including a two-story structure with catwalk to conduct distillation research.
- 6,500 lf of laboratory casework, 145 fume hoods, 32,000 lf distributed piping for laboratory bench and fume hood fixtures
- Centralized nitrogen system throughout laboratories eliminating the need to transport nitrogen cylinders and improved safety.
- Type I Di water system throughout laboratories providing maximum water quality to sinks and equipment.

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LCS