

DOW AGROSCIENCES INDIANAPOLIS, INDIANA



DESCRIPTION

This 80,000 square foot, two-story facility is a state-of-the art office (30,000 sf) and laboratory building (50,000 sf) designed to house over 100 research and development scientists for Dow AgroSciences. Completed in June of 2010, the facility includes the following features and amenities:

- Eighteen Biotechnology and Analytical research laboratories with hoods, benches, and shelving
- Six walk-in cold storage units
- Nine growth chambers
- Two darkrooms
- Three autoclaves
- Reverse osmosis and deionized water system for clean steam and lab use
- Emergency generator back-up for critical lab functions
- Water, compressed air, and vacuum distributed to all fume hoods
- Floors and roof deck are reinforced with structural steel beams to carry additional loads required for lab equipment and specialized mechanical systems
- Specialized HVAC, mechanical, and structural systems to isolate temperature, air pressure, vibration and sound for each lab module

CHALLENGES

The design process was divided into two phases to allow the construction of the shell to begin prior to the final design of the interiors, lab spaces, and the mechanical and electrical systems. While the shell construction began, the more difficult lab design was completed allowing the scientists time to plan their lab spaces, keeping in mind flexibility for future technologies and growth with the company. The connectivity of building systems (phone, data, security, and building automation systems) to the rest of the Dow AgroSciences campus was a prerequisite requiring close planning and coordination.

ROLE

Owner, Developer and General Contractor

ACCOMPLISHMENTS

The project was delivered on time despite losing over five (5) weeks due to weather delay days.

OWNER

Browning (Red Diamond Associates, LLC)

ARCHITECT

BSA LifeStructures

