

CASE STUDY

SELECT TECHNOLOGIES INC.

Stahlin Non-Metallic Enclosures meet Select Technologies' criteria for quality, UV protection, and cost competitiveness for protecting controls in food processing plants.



THE SITUATION

Select Technologies Inc. (STI) is a full-service systems integrator specializing in the design, build, and installation of production line services for process, material handling, and plant facility/utility systems.

Their capabilities encompass production and packaging line layout, electrical automation design, UL 508A panel building, IT integration and programming, mechanical system design, and even production line relocation services.



THE CHALLENGE

Industrial ammonia refrigeration lies at the core of STI's control and automation experience. They were tasked with upgrading the refrigeration engine room control system for a food distributor in the Chicago area, covering over 1 million square feet of floor space.

The project scope included controlling multiple refrigeration compressors, vessels, pumps, and equipment such as cooling coils and air units. A key component in these systems was the use of sensors to monitor space temperatures; many were placed in the controlled space and others were outdoors.

Protecting these sensors with reliable enclosures was crucial, especially since many of the controls operate in environments that are inherently wet and corrosive.

THE SOLUTION

Stainless steel is often the first choice for enclosures in the food industry. However, Select Technologies believed that they could protect their controls just as effectively with a fiberglass enclosure.

Due to the high standards required in the food processing industry, STI's customers expected the best. Consequently, making a decision to switch vendors is not something their company took lightly. When they discovered and tested the Diamond Shield® Series of fiberglass enclosures (along with other non-metallic enclosures), they concluded that Stahlin had a reliable product that provided the uncompromising protection they were looking for.

After analysis, STI determined that non-metallic enclosures are significantly more cost-effective than stainless steel, costing 20-40% less, and are highly competitive with other metallic options.

Not only did STI discover Stahlin's cost-competitiveness versus other enclosures, but they also discovered that Stahlin enclosures offer additional value, with features like SolarGuard®, a specially-formulated method of UV protection, to set them apart.



Diamond Shield® enclosures are adaptable and aesthetically pleasing fiberglass enclosures for both indoor and outdoor use. They offer unique internal equipment management capabilities to increase user flexibility while allowing for utilization of every cubic inch of valuable internal enclosure space. Diamond Shield enclosures are offered in a variety of configurations and have three cover selections: opaque, flush bonded window, and clear.