THE DELONG COMPANY, INC.

CASE STUDY

BULK STORAGE APPLICATIONS

WITH A HISTORY DATING BACK TO 1913,
The DeLong Company, Inc. is a family-run enterprise that offers creative and cost-effective solutions for various sectors, including coal, transport, farming, and retail. They specialize in wholesale, agronomy (seed and fertilizer), and export services.

With 37 coast-to-coast facilities, DeLong's maritime export facility to Port Milwaukee on Jones Island was a welcome addition to Wisconsin and Wisconsin's agriculture community. With export providing DeLong's main portion of the business, the Great Lake Region was an opportunity for expansion with new agricultural opportunities.

LOCATION
Milwaukee, WI

SIZE
120 ft x 580 ft (69,600 sq ft)

MARKET SECTOR
Bulk Storage

APPLICATION
DDGS Storage

SPECIAL FEATURES
EpoxxiShield™
Standard frame finishing;
1,000-lb/ft conveyor load;
30,000-ton total capacity

INSTALLATION
Legacy in-house crews

LEGACY BUILDING SOLUTIONS

EXCLUSIVE ExxoTec PVC FABRIC

EpoxxiShield FRAME PROTECTION

In order to attain their ultimate objective, Port Milwaukee and DeLong required a building manufacturer capable of delivering a structure tailored to accommodate DDGS (Distiller's Dried Grains with Soluables) and enable Wisconsin to access fresh markets through an improved logistical framework. DeLong worked with Port Milwaukee to compare quotes for building price and construction time as part of the due diligence process. "Legacy came to the table with a bid that was to spec and cost-effective for us," said Sean Farrell, Project Manager for DeLong's Grain and Export Capital Projects.

> **"A Legacy building provides all the advantages of a steel structure building with a fire-rated tension fabric that allows for good working conditions in daylight hours."**

DeLong saw the benefits of Legacy's building design. "We came to the table with a building design model holding up to 30,000 metric tons of grain which equates to 1.7 million bushels," said Paul Smith, Building and Design Consultant at Legacy Building Solutions.

Legacy designed a 120 ft x 580 ft (69,600 sq ft) to handle various agricultural commodities, specifically to house DDGS, which are nutrient-rich animal supplements derived as a byproduct of ethanol production. The building was engineered to support a 1,000-lb/ft conveyor and catwalk, and the interior features precast concrete walls. The facility can load 6,000 metric tons daily with an annual export capacity of 160,000–300,000 metric tons. And because grain is highly combustible, Legacy's ExxoTec™ Elite fabric is not only flame retardant, but the building frames were also engineered to support a fire suppression system.

Using the innovative building design allows the company to meet its need for multiple operations in one facility. "A Legacy building provides all the advantages of a steel structure building with a fire-rated tension fabric that allows for good working conditions in daylight hours," said Farrell.

White ExxoTec™ Elite PVC fabric with green trim covers the entire building. ExxoTec™ does not corrode and allows natural light into the facility—saving on the time and money spent installing and maintaining electrical lighting. "One of my favorite parts about the building is I never need lights during the day, even on rainy or cloudy days; the visibility inside with the natural light is so nice," stated Farrell.