



Scope of Work

- FEED Study
 - Value Engineering
 - Geotechnical Analysis
 - Material-Handling Systems Engineering
 - Structural Engineering
 - Mechanical Engineering
 - Electrical Engineering
 - Procurement & Subcontract Management
 - Dome Construction
 - Tunnels Construction
 - Material-Handling Systems Installation
 - Additional Steel & Concrete Construction
 - General Contracting
 - Construction Administration
- None ● Some ● All

From the barge unloader to the truck load out, Dome Technology managed the entire scope of the project.

The double-dihedral floor discharges on two sides, providing redundancy in the reclaim system.

The system allows for continual load out greater than 300 MTPH for loading railcars and trucks simultaneously.

Overview

To meet anticipated demand, concrete producer Ozinga contracted with Dome Technology to manage the entire scope of a new state-of-the-art facility from the barge unloader and DomeSilo™ to the reclaim system and truck load out.

“It is our view that the country is in the early stages of an expansionary period, creating extra demands on our raw materials,” Ozinga President Marty Ozinga IV said. “Storage helps us manage our supply chain to ensure reliable and economical sources of quality materials.”

Ozinga management considered slip-form concrete silos, bolted steel silos, and flat storage for the Chicago site, but “we determined that the dome storage was the most economical and efficient form of storage for the amount of material we wanted to store and the amount of annual put-through,” Ozinga said.

The company required a location with access to different modes of transportation including the river, rail, the Great Lakes, and the highway. The other non-negotiable was redundancy, made possible by custom pneumatic transport and reclaim systems. FLSmidth was contracted to provide a Docksider™ barge unloader, a Ful-Floor™ fluidized reclaim system and a Fuller-Kinyon transfer system. The double dihedral, fully fluidized floor discharges product on two sides of the dome.

“In the long run, this (project) will help secure the future of Ozinga as an independent, American-owned and operated family business,” Ozinga said.

“For nearly four decades we’ve relied on a collaborative approach with companies—they’re in the driver seat, and we help navigate. In every project Dome Technology incorporates innovative technology to maximize storage capacity and system performance with an economical solution,” Bradley Bateman, CEO, Dome Technology.

Read more about this project at link.dometechnology.com/12054



Storage & Reclaim

- 🏠 1 Dome: 38.1m (125ft) Wide x 42m (138ft) Tall
- 🏠 50,000 Metric Tons, Cement
- 🏠 100% Reclaim, FLS Ful-Floor™ reclaim system

