

TEMCOR AT LEHIGH: DOME SWEET DOME

TEMCOR COMPLETES DESIGN, MANUFACTURE AND CONSTRUCTION OF RAW MATERIALS STORAGE DOME IN NINE MONTHS.

Temcor has achieved within nine months the design, manufacture and construction of a new raw materials storage dome for Lehigh Portland Cement's Union Bridge plant.

Temcor a réalisé en neuf mois la conception et la construction d'une nouvelle coupole pour le stockage des matières premières pour l'usine de Lehigh Portland Cement à Union Bridge.

Temcor hat für das Union-Bridge-Werk von Lehigh Portland Cement Rekorde gebrochen und innerhalb von neun Monaten einen neuen Speichersilo für Rohmaterialien entworfen, hergestellt und installiert.

En nueve meses, Temcor ha logrado diseñar, fabricar y construir una nueva cúpula de almacenamiento de materias primas para la fábrica Union Bridge de Lehigh Portland Cement.

Temcor, the world's largest aluminum dome builder, has completed construction of a 374' diameter raw material storage dome for Lehigh Portland Cement's Union Bridge, Maryland plant.

Several options for the facility were considered, including steel and concrete. The dome was selected because of Temcor's vast experience in the bulk storage industry and because of some of the advantages an aluminum dome offers, including low maintenance, long life span and the relatively short design, manufacture and erection time. Temcor was also an economical choice.

The design, manufacturing and construction of the dome were completed in a fraction of the time required for other building types. The Lehigh dome was shipped to the site ready-to-assemble, and was erected with a small crew of between 3 and 12 men, with a total construction time of only 6500 man-hours.

"Temcor is a professional company," according to Lehigh's project area engineer responsible for the preblend dome. "The turnkey design, supply and construction of the preblend dome for our Union Bridge modernisation project came off safely, without a problem and on schedule. You can't ask for more than that."

The all-aluminum dome was designed with a conveyor opening that has a watertight seal, door-frames, personnel access doors and skylights. The dome was erected using Temcor's unique and efficient center tower erection method, erecting the dome from the center outward. Workers assemble the frame on the ground, lifting the dome up as each ring is completed. On average, a Temcor aluminum dome is assembled using one-third the man-hours required for conventional construction.

Temcor has become a prominent name in the bulk storage industry, with domes in service for cement plants, coal processing and storage, and other facilities requiring environmental protection. A Temcor all-aluminum dome - according to the company - is virtually maintenance-free, helping to keep operating costs down.

Temcor has been building aluminum domes and other structures for more than 35 years and has more than 6000 installations throughout the world in industries as varied as water treatment, petroleum and bulk storage, and scientific research. Temcor domes and roof systems for architectural applications are in place as sports arenas, cruise terminals, planetariums, churches, and more.

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