

SILO DESIGN AND INSPECTION

Our staff utilizes experience across a broad variety of industries and clients to design silos and stacking tubes for your commodity and application. From small to large and everything in between, Matrix PDM Engineering has designed storage solutions to meet every demand.

Matrix PDM has provided investigations for hundreds of silos throughout the U.S. and abroad. Our experts deliver internal and external storage evaluations and leverage their design experience to provide corrective recommendations for structural issues. Additionally, Matrix PDM has staff that sits on the ACI Committee 313 which sets the standards for concrete silo design.

Matrix PDM delivers more than 30 years of experience designing and inspecting silos and stacking tubes.

A HIGHER STANDARD IN ENGINEERING.

DECADES OF STRUCTURAL ENGINEERING EXPERIENCE

Matrix PDM Engineering is committed to the business of silo engineering and investigation, having designed and assessed hundreds of silos around the world. Our team includes registered structural engineers with decades of experience. This diverse expertise allows us to design silos that are practical and economical to construct, and that are configured to withstand years of filling and reclaim and deliver durable structural performance.

In addition to designing hundreds of silos and complex hopper systems, Matrix PDM has investigated and assessed silos of all types and sizes in locations around the world. Large repairs and replacement costs are often operationally problematic and difficult to justify. Matrix PDM focuses on realistic, practical recommendations that balance the need for rigorous assessment with the need for continued operations. We work with owners to determine the appropriate levels of investigation for each unique facility. And we conduct investigations with an eye to minimizing impact to your process.

Because we excel at both silo design and silo assessment, Matrix PDM offers unique advantages in both disciplines. Our investigation experience has taught us what works well in silo design, and which practices may lead to deterioration and failure. And our design expertise means we know what to look for beyond the surface, so we can focus our investigations on root causes and design repairs that address the source of deterioration. Regardless of the commodity handled, whether you are an owner, operator, or constructor, our experience with over hundreds of projects can help you economically construct and maintain silos that will perform reliably in the long term.

Services

- Feasibility Studies
- Conceptual and Final Design
- Permitting
- Inspection, Evaluation, and Reports
- Structural Analysis
- Safety Evaluations
- Construction Management
- Onsite Supervision

Structures

- Reinforced Concrete
- Pre-Stressed Concrete
- Concrete Stave Silo
- Steel Tanks



For more information
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