

STORAGE SOLUTIONS

Owners and operators of ASTs today must contend with greater challenges than ever before, including tightening codes and regulations, a volatile energy marketplace and heightened concerns about safety. These demands can add new complications to projects already facing tough cost and scheduling pressures, especially in high-demand markets.

Our experience covers:

- Cone roof tanks
- Open top floating roof tanks
- Internal floating roof tanks
- Dome roof tanks
- Umbrella roof tanks
- Knuckle roof tanks
- Sloped/dished bottom tanks
- LNG, LIN and LOX tanks
- Refrigerated and cryogenic tanks
- Thermal energy storage tanks
- ASME pressure vessels
- Digesters and clarifiers
- Spheres

A HIGHER STANDARD IN ENGINEERING.

WITH YOU FOR THE LONG HAUL

A single source of technical and project expertise licensed in the U.S. and most Canadian provinces, our in-house engineers and designers are well-versed in industry standards and regulations including API 620/650/653, AWWA D-100, and AMSE Section VIII Div. 1 and 2. As a result, customers often come to us well before construction begins and long after it's complete for services, which include:

- Complete project engineering
- Design and analysis of turnkey facilities and storage tanks
- Detailed drafting for erection and fabrication
- QA/QC support
- Document control
- Engineering support for FEED studies and conceptual engineering work
- Testing
- Design of specialized erection equipment
- Fitness for service evaluations

Maintenance, modification, and repair services

- Tank cleaning
- Double bottoms
- Cathodic protections
- Leak detection systems
- Floating and fixed roofs
- Floating roof seals
- Walkway platforms and handrails
- Nozzles and manways
- Floating suction, diffuser, sumps and heat coils
- Gauge systems
- Fire protection
- Industrial cleaning

Steel tank appurtenances

- Flex-A-Span™ primary seals
- Flex-A-Seal™ secondary seals
- Floating roofs, manway hinges, shell nozzles, floats, drains, manways and associated product
- Walkways, platforms and handrails

This range of maintenance offerings and the quality of our team often prompts customers to establish long-term alliances with Matrix PDM Engineering. Customers benefit by passing on to us the responsibility for keeping the performance and profitability of their storage assets at their peak.

The Matrix difference

Matrix PDM Engineering has the critical resources for end-to-end coordination and provision of AST and specialty vessel projects. What's more, we have deeper resources than many smaller contractors enabling us to see projects through to completion safely, on time, on spec, on budget, and with the quality you expect. We are also more streamlined than many larger providers, able to move quickly and adapt to your needs. Detailed reporting and predictive forecasting help control costs and enhance accountability.

