MATRIX SERVICE COMPANY

A HIGHER STANDARD IN CONSTRUCTION

SPECIALTY TANKS, VESSELS & SYSTEMS

For decades, Matrix has been the industry leader in the engineering, fabrication, construction, maintenance, modification, repair and relocation of aboveground storage tanks and specialty vessels.

Our experience with specialty tanks and vessels includes ASME spheres, thermal energy storage tanks (TES), factory Mutual (FM) tanks, open top clarifiers, aerobic/anaerobic digesters, egg shaped digesters, elevated storage/hopper tanks, bins, silos, stacks and scrubbers.

Our aboveground storage tank (AST) capabilities include atmospheric, pressurized and cryogenic tanks for liquid, gas and bulk storage, including complete terminals.

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AN ADAPTABLE, COLLABORATIVE PARTNER

Matrix has the experience and expertise to design and construct your facility on a turnkey, EPC basis.

Facilities include:

- API 620 low-temp. cryogenic tanks
- ASME BPVC Section VIII Spheres
- Refrigeration systems
- Product pumping
- Product heating
- Flares
- Fire protection
- Electrical power distribution
- Instrumentation and controls
- Truck, rail-car and ship loading/ unloading facilities

LNG terminals and facilities

Over the years, Matrix Service Company has been actively involved in the design and construction of several of the industry's largest terminals. Matrix Service Company is familiar with all components of these facilities including storage tanks, impoundment systems, ship loading/unloading systems, boil-off compression and vaporization, foundations, piping, insulation, pumping and fire protection systems. For bunkering terminals or peak shaving facilities, we can provide liquefaction systems in combination with our select technology partners. These facilities include storage tanks that are among the world's largest metal containers. We are experts in the design and construction of the various LNG storage concepts, including single, double and full containment.

Applying the requirements of the United States Code of Federal Regulations, we have permitted, designed and constructed turnkey facilities in accordance with 49 CFR Part 193, including new LNG facilities subject to the Interstate Pipeline Act.

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Refrigerated liquids storage

Facilities for the storage of ammonia, ethane, ethylene, propane, propylene, butane or butadiene can be stored either under pressure in spheres or refrigerated low-pressure storage tanks.

Liquefied elements of air storage

These tanks are specially engineered for the severe operating conditions associated with cryogenic temperatures.

Our expertise includes:

- Insulation systems
- Tank piping
- Foundations/heaters
- Instrumentation

Years of experience and product development have yielded economical and proven LOX and LIN tank designs. These provide the dual benefits of economic configurations and shorter schedules.

Engineering skills & services:

- Feasibility studies
- FEED studies
- P&ID development
- Plot plan development
- Structural design/analysis
- Tank design/analysis
- 3D modeling of facilities
- Piping design/analysis

For more information please contact
866 367 6879
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