

HYDROGEN CAPABILITIES

Matrix Service Company's divisions provide complete lifecycle solutions to customers seeking extensive experience in gas processing, liquefaction, pressurized and cryogenic storage of hydrogen. Matrix is well-positioned and experienced to be your engineering partner in the realization of a carbonless energy source: hydrogen (H²).

Safety. Integrity. Positive relationships. Stewardship. Delivering the best. These core values have forged our reputation for excellence.



A HIGHER STANDARD IN CLEAN ENERGY

YOUR CLEAN ENERGY PARTNER

A huge advantage of choosing Matrix for your hydrogen projects is our capability of executing projects on an EPC basis with our own US-based direct to hire construction teams, Matrix NAC and Matrix Service. Along with construction, our engineering division, Matrix PDM provides full service, multi-discipline engineering solutions with industry leading expertise.

Services

- Conceptual design and feasibility studies
- Front End Engineering and Design (FEED)
- Detailed design
- Engineering, procurement, and construction (EPC)
- General contractor and construction
- Partner with cryogenic experienced Matrix construction subsidiaries Matrix Service and Matrix NAC domestically or with established international partners that have sphere and cryogenic experience
- Integrator of production, liquefaction, and fueling technologies

Typical Project Scopes

- Liquid hydrogen sphere design, fabrication, and erection
- Hydrogen liquefaction, storage, and distribution facility integration and installation
- Electrolyzer integration and installation
- Steam Methane Reformer construction
- Hydrogen plant design
- Carbon capture equipment fabrication and installation
- Hydrogen-rich off-gas clean-up, compression, and distribution facility integration and installation

Consumer & Production Facilities

- Transportation and mobility applications
- Ammonia production
- Methanol production
- Biofuels
- Power generation
- Steel, glass, and aluminum manufacturing
- Refining and petrochemicals



For more information
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