



AT & V

**Global Service 2023
Renewable/Green Energy
Presentation**

AMERICAN TANK & VESSEL, Inc.

Renewable/Green Energy



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AMERICAN TANK & VESSEL, Inc.

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General Corporate Information

American Tank & Vessel, Inc.'s (AT&V) engineers have been involved in designing and constructing tanks and terminals from as early as the mid 50's, working on projects from crude to cryogenic, 1 tank to 50 per project, and from China to Jamaica.

- Experience in more than (30) states and (2) dozen countries
- Operations in US, Canada and Caribbean
- Solid financials (D&B Rating 4A2)
- Employee owned company
- Owned and operated fabrication facilities
- Owned and operated field erection equipment



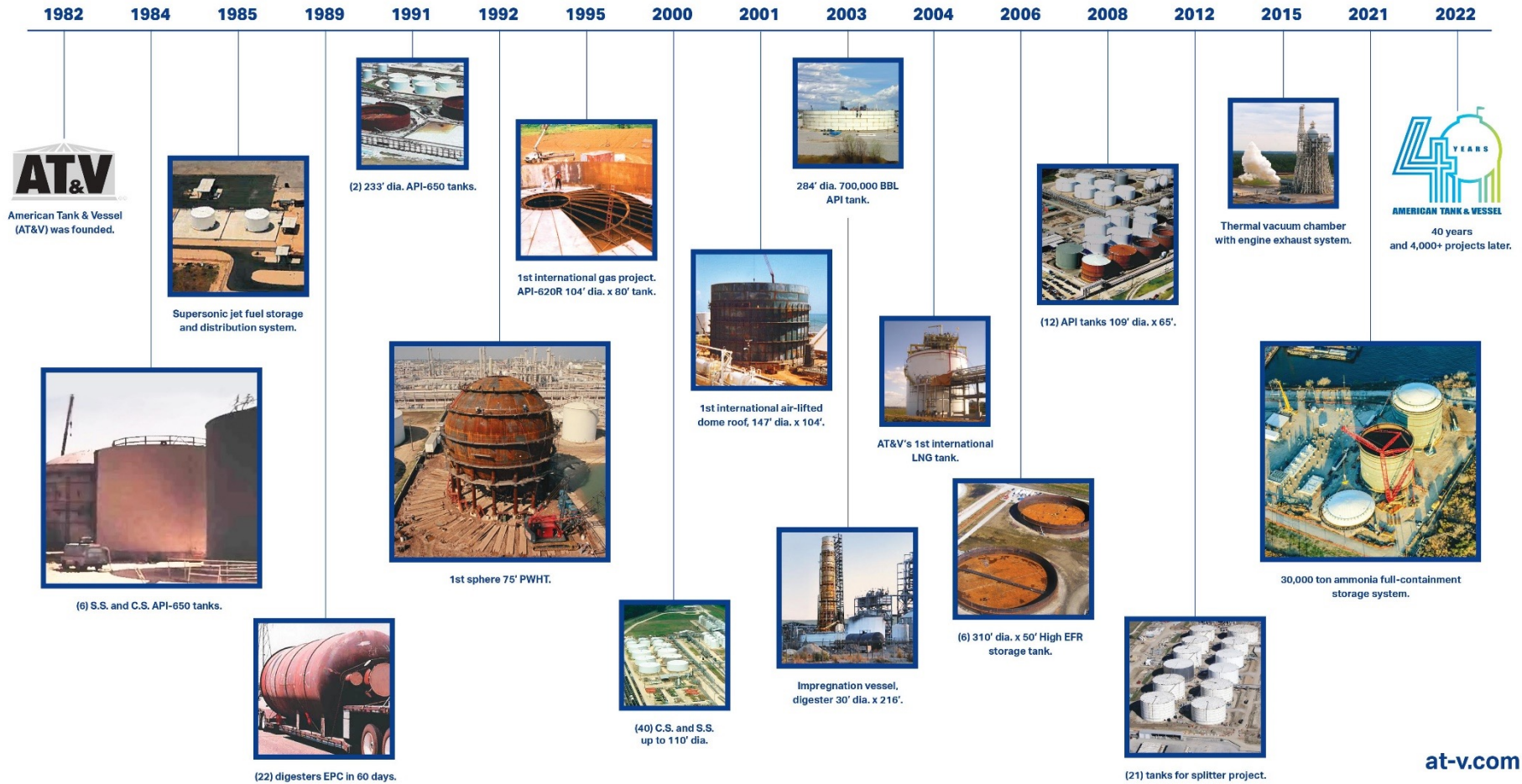
AT&V is your one-source contact for design, procurement and construction of terminal projects around the world

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40 Years and 4,000 Projects



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Industries Served

- Aerospace
- Upstream petroleum gathering systems
- Midstream terminals and storage
- Downstream petroleum processing and refining
- Air Separation
- Chemical/Petrochemical
- Gas Industries (compressed and liquified)
- Power Generation
- Paper Industry



***AT&V is leading the industry
in safety, technology, and
schedules.***

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Resources & Services

- Design and engineering in-house, with global experience
- Fabrication 200-acres, (3) plants, 400,000+ square ft. under hook
- Field erection work, labor sourced from (6) global markets
- Turnkey gas and liquid facilities (first in 1985 last in 2019)
- Global procurement starting over (20) years ago
- Value Team Concept (VTC)
- Future Life Energy eXchange (FLEX Storage)
- (10) year continuous R&D for cryogenic storage and construction



The family of AT&V companies, along with proven subcontractors, has given AT&V the ability to deliver turnkey facilities at a variety of locations.

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U.S. Fabrication

Fabrication Equipment:

- 400,000 sq. ft. Under Hook
- Over 200 Acres for Lay down
- 20,000 sq. ft. Machine Shop
- 10,000 sq. ft. Maintenance Facility
- R&D Facility
- In-house Quality Control Department
- In-house Safety Department
- In-house Engineering Services
- (6) Sets of Plate Rolls
- (3) Forming Presses
- In-house PWHT
- In-house Normalizing
- In-house Automated Paint Line
- In-house Pipe Fabrication Bay

Transportation Methods:

- Trucking Out of All (3) Facilities
- Rail Out of Lucedale and Mosspoint
- Barge or Ship Out of Mosspoint Water Facility



150 Acre Gulf Coast Waterfront Plant



80 Acre Gulf Coast Plant + 2016 Expansion



Houston Export/Fabrication Plant

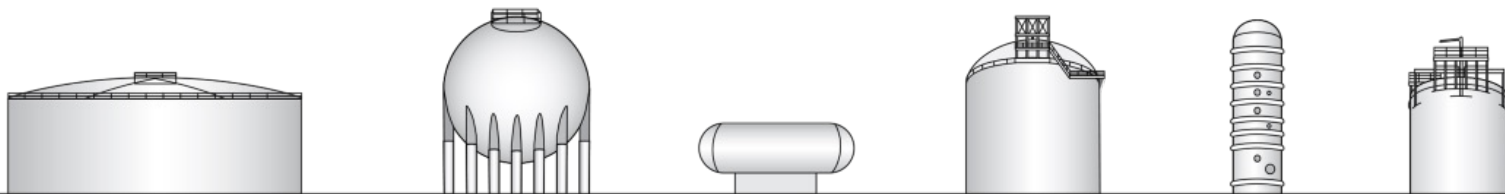
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AT&V Refrigerated & Cryogenic Storage Options

TYPES OF GAS STORAGE	SIZE RANGE	PRESSURE RANGE	DELIVERY MODE
Vertical Vessels (API-620 and ASME)	10,000 - 500,000 Gal.	5 - 2000 psig	A, B, C, & D
Horizontal Vessels (API-620 and ASME)	10,000 - 1MM Gal.	5 - 2000 psig	A, B, C, & D
Cargo Tanks of Gas Carriers (IGC Code)	10,000 - 2MM Gal.	5 - 200 psig	C & D
Spheres (API-620 and ASME)	10,000 - 3MM Gal.	5 - 400 psig	C & D
API-620 Single Containment Steel/Concrete	500,000 - 40MM Gal.	2 - 15 psig	C & D
API-620 Double Containment Steel/Concrete	500,000 - 40MM Gal.	2 - 15 psig	C & D
API-620 Full Containment Steel/Concrete	500,000 - 40MM Gal.	2 - 15 psig	C & D



Delivery Modes: A = Truck, B = Rail, C = Water, D = Site

Vessels and Spheres can be Single Walled or Double Walled.

Request a copy of our decision storage guide or ask us a question at tanks@at-v.com



Shop Built Vessels

AT&V supports multiple shops with ASME Stamps for the fabrication of vessels. Shipping is supported by truck, rail, and water. AT&V's facilities will support forming heads, rolling all plate, post-weld heat treatment, full assemblies, testing, insulating, and shipping. Some of the projects performed to date by AT&V in-house include the following:

- Max Diameter: Over 50'
- Max Length: Over 500'
- Max Machining Diameter: 50'
- Rolled Plate: Up to 4 ½" x 20'
- Max Dished or Formed: 7"
- Welded Joints: 7" Max
- 4,500 Ton Test Slab
- PWHT: 33' Diameter x 220' Length



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Turnkey Gas & Liquid Terminals

- Financial Analysis
- Siting & Layouts
- Permitting & Planning
- Risk Analysis
- Geotech & Civil Designs
- Process Technology and Concepts
- EPC of Mechanical Aspects
- EPC of Electrical/Instrumentation
- EPC of Coatings & Insulation Systems
- EPC of Balance of Plant
- Commissioning and Start-up



Instrumentation



Civil



Process



Mechanical

AT&V's site and construction experience involves projects from the East Coast to the West Coast in the U.S., and from Angola to China.

Culture of Safety



(7) Years of Zero TRIR through Culture, Training, & Technology



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Safety on All Types of Projects



84' Diameter Sphere



5.25MM Gallon LNG Tank



Turnkey Terminal Projects



LPG/LNG Storage & Facilities

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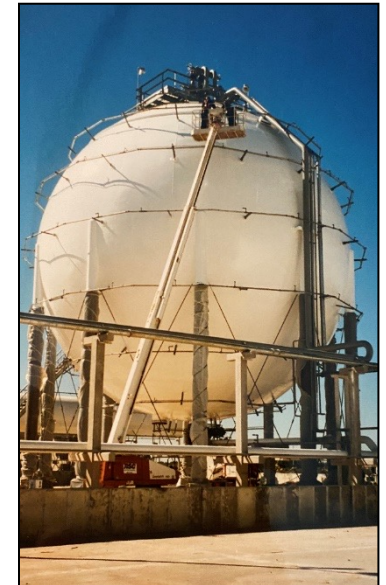
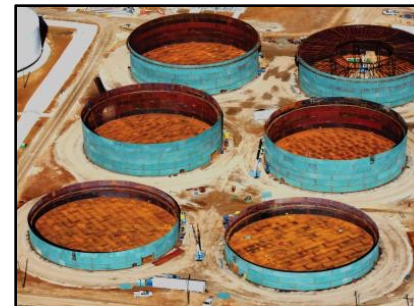
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Industry Leading Schedules



Schedules by AT&V

- Industry leading schedules in cryogenic storage
- Industry leading schedules in sphere construction
- In-house capacity for predictability
- Specialized equipment, procedures, and technology
- Management, training, and incentives
- Corporate commitment for future improvements



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Industry Leading Schedules



2 Million BBL Months Ahead of Schedule



Completed 3 Months Ahead of Schedule



Foundations, Tanks, & Painting 5 Months



(40) Tanks in 24 Weeks (No Overtime)

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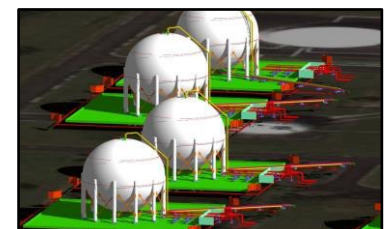
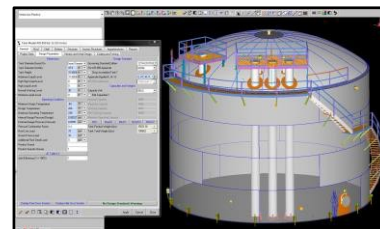
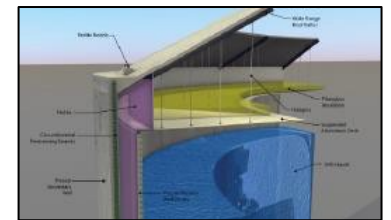


AT&V for Value



Driven to Customer Value

- No corporate required dividends
- No corporate debt service
- Incentives for team performance
- Culture of innovation
- Ownership involvement in projects
- Low change order rate on lump sum contracts
- Owned facilities and equipment
- Corporate goal to reduce cost



The AT&V team will bring a world of experience to meet your objectives in an efficient, timely and professional manner, providing the most advanced technologies in the industry.



U.S. and Non-U.S. Project Overview

AT&V has executed and completed projects in the United States, as well as in many foreign countries. Projects range in size from a single tank to an entire terminal or pipeline system.

Below and on the following pages is a short list of some completed projects reflecting AT&V's comprehensive capabilities.



EPC for special chemical terminal – (58) various field erected tanks – carbon, stainless, IFR's and pressurized. – New Orleans, LA, USA



EPC for Clean Products Terminal for 90,000 Cubic Meters of storage, with in-bound pipeline system and truck racks – Tema, Ghana.



EPC for (10) – API-650 tanks from 40' diameter to 110' diameter – Multan, Pakistan

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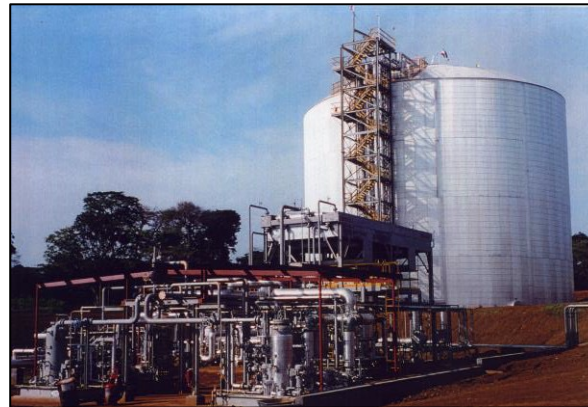


U.S. and Non-U.S. Project Overview



Design Construction of (30) – 100,000 barrel API-650 tanks with internal floating roofs and painting – Houston, TX USA

Engineering, procurement, and fabrication of ASME Section VIII Div. II reactor, 28' x 260' tall – Santos, Brazil



EPC for 110' tall API-620 propane refrigerated service tank, foundation, insulation – Equatorial Guinea, West Africa

Engineering and Construction of (4) – 284' X 56' tall external floating roof tanks – Saudi Arabia



EPC of 70,000 cubic meter terminal with fire systems, OWS, MCC, with inbound and outbound pipeline systems – APD, Ghana.

Design and construction of (1) – 770,000 barrel API-650 tank with internal floating roof – Tulsa, OK, USA

AT&V – your partner for safety, quality, price, and delivery – provides new or repair services for tank, foundation, sub-grade, pipe runs, structural work, electrical and instrumentation, cathodic protection, and leak detection.

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U.S. and Non-U.S. Project Overview



EPC of seven (7) tank terminal, 400,000 barrels with civil, mechanical, and paint – Dallas, TX, USA

EPC of (2) – 233' diameter API-650 pressurized double bottom tanks for VCM storage – Corpus Christi, TX, USA



Engineering, procurement, and fabrication of API-620 Q LNG tank with submerged pumps and process support – Paulina, Brazil

Design and construction of (1) – 75' diameter ASME Section VIII Div. I sphere, PWHT – Freeport, TX, USA



Engineering, procurement, fabrication and field erection of API-620 R LPG tank with valves, vents, instrumentation and process support – Chesapeake, VA, U.S.A.

EPC for Jet Fuel including storage tanks and systems for U.S.A. Defense Department – Tonopah, NV, U.S.A.

The AT&V team will bring a world of experience to meet your objectives in an efficient, timely and professional manner.



Summary of AT&V Team

- Great customer value
- Unsurpassed safety records
- Industry leading schedules
- Solid financial history
- Corporate goal to improve
- Ownership involved in projects

