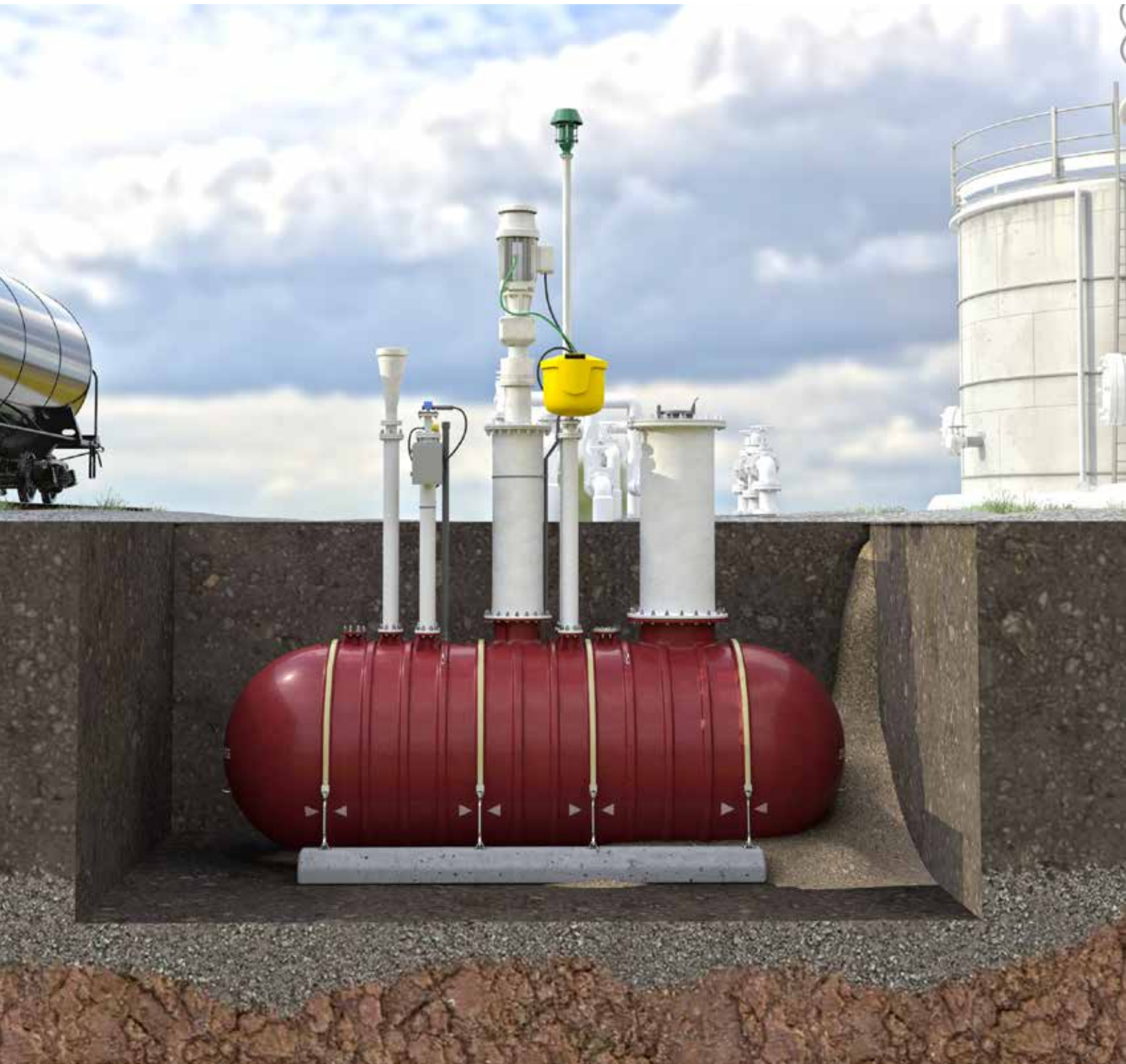


**ZCL | XERXES®**  
making a **lasting** difference®

# Fiberglass storage tanks for pipelines and wellheads



ZCL | Xerxes is the largest manufacturer of underground fiberglass storage tanks in the world. Over the past 40 years, we have manufactured and shipped more than 200,000 fiberglass tanks that protect the environment. We have six manufacturing facilities throughout North America for quick, cost-effective shipping.

## The **composites** advantage

Composites offer many advantages over traditional materials of construction and have quickly become a preferred alternative in corrosive environments.



## **Parabeam®** 3D glass fabric for added strength

ZCL | Xerxes double-wall and triple-wall storage tanks use our patented Parabeam® 3D glass technology to bond the tank walls together. This enhances the tanks' overall structural integrity while allowing for continuous interstitial monitoring for leak detection. This "sandwich" laminate construction eliminates floating, expansion, contraction and seismic/wind movement.

### Design flexibility

- Vertical and horizontal orientations
- Below- and above-ground options
- Adaptable to accommodate replacement and capital projects
- Extensive inventory of accessories, including manways, nozzles and anchoring systems

### Corrosion resistance

- Many case histories that exceed 30-year life span
- UL 1316 and ULC S615
- Factory-assembled and tested

### Low maintenance

- Higher return on investment
- Longer life cycle
- No coatings to inspect or repair
- No costly cathodic protection

## Fiberglass versus steel

**Corrosion:** Metal can't match the rust and corrosion resistance of composites. With buried tanks, both internal and external tank corrosion are serious concerns. Coatings and linings are the traditional protective choices with steel, which add to the cost and long-term maintenance. Also, coatings and linings are only as good as their surface preparation and application.

**Installation:** Underground steel tanks weigh up to four times more than fiberglass tanks of the same size. This adds to installation and shipping costs, and potentially limits the locations where steel tanks can be used. Lightweight fiberglass tanks call for smaller and much less expensive lifting equipment, allowing for installation even under difficult site conditions.



# Composite, engineered, turnkey tanks

Our in-house engineers and subject-matter experts have the experience to design custom tank solutions that exceed expectations and meet the exact specifications of greenfield, brownfield and replacement projects across the North American midstream and upstream oil and gas markets.

- Double-wall tanks with interstitial monitoring
- Variable wall thicknesses to account for burial depth and/or pressure applications
- Resin selection to accommodate temperatures up to 400°F
- Fire-resistance additives
- Abrasion resistance
- Single or multicompartiment
- Capacities from:
  - 600 to 40,000 gallons
  - 2,272 to 151,417 liters
  - 23 to 1,525 barrels

For the convenience of our customers, ZCL | Xerxes has developed several strategic partnerships that enable us to integrate engineered components and supply complete turnkey packages. Some common examples of the components that we supply with our tanks include:

- Instrumentation and control panels
- High-/low-level indicators
- Interstitial monitoring
- Pumps
- Heaters
- Screens



## Sump, drain, slop, collection and flare knockout drum tanks for wellhead, pipeline and terminal applications

- Crude oil pump stations
- NGL compressor stations
- Terminal, marine and rail loading and unloading stations
- Pipeline pigging – launching and receiving
- Oil-water separators
- Refinery tanks
- Flare gas separation at the wellhead

**+ONLINE**  
Visit [zcl.com/en/storage-solutions](https://zcl.com/en/storage-solutions) to learn more about our oil and gas tanks.

# North American reach

Customers can rely on timely manufacturing and delivery of tanks and accessories.

We have six manufacturing facilities throughout North America, so no matter where customers need fiberglass tanks and accessories shipped, a ZCL | Xerxes manufacturing facility is not far away. No other North American tank producer offers this kind of manufacturing capacity in North America. All six of our facilities manufacture engineered composite tanks to UL/ULC listings.



## Contact us

We're ready to design the ideal flare knockout, drainage, pump station, compressor station, receiving pigging station or storage station tank for your next project.

**On the web:**  
[zcl.com](http://zcl.com)

**Technical support:**  
**1-800-661-8265**  
**USA: 952-887-1890**  
[eng.support@zcl.com](mailto:eng.support@zcl.com)

### Corporate head office

**ZCL Composites Inc.**  
1420 Parsons Road SW  
Edmonton, AB T6X 1M5

### US office

**Xerxes Corporation**  
7901 Xerxes Avenue S  
Minneapolis, MN 55431

### Manufacturing facilities:

#### Canada

Edmonton, AB  
Drummondville, QC

#### USA

Anaheim, CA  
Seguin, TX  
Tipton, IA  
Williamsport, MD