a global leader in the design and manufacture of composite high-pressure vessels for the hydrogen, fluid power and gas storage markets across multiple sectors including marine, aerospace and automotive
PROFILE

- Full-service engineering, testing, prototyping & production of lightweight, high pressure vessels
- Sustainable, scalable manufacturing in Golden Colorado
- Fully digital, efficient and nimble shop floor
- Significant IP in processes, programs and patents
- ISO 9001-2015 and AS9100-Rev D certified quality management system
- ISO 14001 environmental management system
- Gold Leader in Colorado Environmental Leadership Program (ELP)
- DOT, CE, DNV GL, ABS & ISO product certifications
- Global customers in aerospace, defense, automotive, space, robotics, marine and oil & gas
Company Snapshot

- ~100 customers across 24 countries
- USA designed and manufactured
  - All in house design, prototyping, testing, production
  - Spin forming – Aluminum and Stainless Steel
  - Filament winding – traditional and non traditional shapes
TIME FOR A CHANGE

1 CONTAINER SHIP POLLUTES AS MUCH AS 50 MILLION CARS

and there are 90,000 such ships of varying sizes across the world at any one time
Every pressure vessel type has a place in the ecosystem

Steelhead Type 3 for Marine
- Robust and Known Safety Risks
- Permeation free
PRODUCT FAMILIES

Energy Storage

- Compressed Natural Gas Tanks
- Hydrogen Storage Vessels
- Pressurized Gas Cylinders

Fluid Power

- Bladder Accumulators
- Diaphragm Accumulators
- Piston Accumulators

Contract Composites

Contract Testing
STEELHEAD?

STEELHEAD FOR:

Fluid Control
- Gives steel to steel connections that are standard in the industry
- Reduces the chance of cross threading
- Allows for large port openings for ease of maintenance

Hydrogen & CNG Storage
- Large opening for integrated valves
- Additional strength for neck mounting applications

All hydraulic composite bladder accumulator & hydrogen vessel products have a patented steel polar boss to mate with the valves or plugs.