

"Who says it can't be done"

Veteran & Minority Owned Small Business

Ability Engineering Technology Inc

February 7th, 2011

Overview

Founded in 1947...Chicago, Illinois

- ✓ Engineer, design and manufacture of equipment primarily utilized in cryogenic, process, and other industrial applications
- ✓ ASME Section VIII Code Certified facility

35,000 square feet facility

- ✓ Welding & Fabrication
- ✓ Testing & Repair Services
- ✓ CNC Machining Center & Water jet Cutting

Market Segments serviced include...

- ✓ Scientific R&D, Process, Food, Natural Gas, Transportation, Space Flight
- ✓ Energy (incl. Power Gen, Oil & Gas, and Renewables) & Petrochemicals

Core Competencies

Expertise

- ✓ Multi-disciplined engineering & design expertise
- ✓ Design and manufacture ASME Code and Non-code vessel
- ✓ Manufacturing versatility... “build to print” or “design - build”
- ✓ One-off manufacturing or large batch quantities
- ✓ Aftermarket Services including Repairs, Modifications, Testing

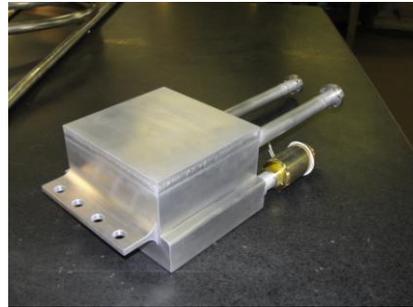
Key Differentiators

- ✓ Provide value-added solutions to complex customer problems
- ✓ Experienced Team - Engineering, Technicians, Machinist, Welders
- ✓ Engineering Consultation...Cryogenics and Vacuum Technology
- ✓ Brand: Quality, Versatility, Creativity, Product Knowledge, Longevity
- ✓ Diverse Customer Base... Industrials, Universities, US Government
- ✓ Certified MBE, VBE, DBE...awaiting 8A approval

Products & Services for ORNL



Helium Purifier



Lens Moderator Proto-type



He/H2 Heat Exchanger Module



On-site Field Repair



On-Site Installation



On-site VJ Line Remediation

Products & Services



Cold Box



UHV vessel for Plasma Fusion experiment. Vessel is electropolished. Operates at 10^{-11} torr

Products & Services



AET was part of a team that manufactured a **Levitated Dipole** for MIT and Columbia University (LDX). Device mimics the magnetic fields surrounding the Earth and other planets. AET's scope included engineering, fabrication, and testing of the complete cryostat.



Space Flight Qualified Cryogenic Equipment for NASA. AET's project scope included specialty welding, assembly, and testing of inner and outer vessels of Glacier cryogenically cooled cabinets. **Glacier Cold Boxes** are for application on the Space Shuttle as well as on the International Space Station. These boxes are used for biological refrigeration in outer space.

Products & Services



Precision-Machined Parts



In-House Repairs

Customer List Includes...



Thank You