



**Specialist in pressure vessels, boilers, piping,
custom and complex equipment fabrication**



CAPABILITIES GUIDE

A DIVISION OF ALCO-TMI GROUP

Since
1986

OUR SPECIALTIES

Design, fabrication, retrofit and certification of pressurized equipment

Alco-TMI Fabrication is an experienced manufacturer of ASME pressure vessels, boilers, boiler components, tanks, industrial piping and custom complex equipment.

The facility is located in Alma, Quebec and has professionals with in-depth expertise in the specialized field of pressure vessels using the latest technology and state of the art facilities to manufacture the highest quality vessels and equipment.

Accreditations and certifications

- ISO 9001-2015
- ASME Section I with S stamp
- ASME Section IV (Heating boilers) with H stamp
- ASME Section VIII, Division 1 with U stamp
- ASME Section B31.1, B31.3, B31.5
- CSA W.47.1 & W47.2 (CWB)
- CSA NQ-3650 900 (RBQ)
- National Board NB
- API 620, 650, 653, 12F, etc.

FACILITY

Tools and equipment

- Height (8) overhead cranes
- Five (5) slewing jib cranes
- High definition plasma
- 250T digital press brake 13' wide
- Boiler tubes bending machine with several die
- Turning rolls if 40T capacity
- Submerged arc welding
- Sandblasting room (40' x 52')
- Paint shop (70'x 52')



Engineering

Drawing software

SolidWorks : 3D modeling of mechanical components

AutoCAD : 2D modeling of mechanical components

3D Plan : piping modeling

Design software

SolidWorks Simulation : finite element analysis

COMPRESS : design of ASME vessels, HE and pressure parts

AMETank : API tanks design

MathCAD : design of various components

Welding procedures and materials

Specialties

Submerged arc, orbital tig

Process

SMAW, GTAW, GTAW Orbital, GMAW, SAW , MCAW

Materials

In-house welding procedures for the following materials :

- Carbon & stainless steel
- Low alloy steel (alloy 20, alloy 60, etc.)
- Nickel, nickel chrome & nickel moly
- Aluminum
- Titanium
- Inconel
- Cooper

Examination and hydrostatic testing equipment

Our experts carry out certified inspections ensuring the highest quality of your products.

Hydrostatic testing up to 15 000 psi.

Transport and logistics

The Alco-TMI Group has its own fleet of trucks and trailers allowing smooth logistics and ensuring timely delivery throughout North America and, via the port of Grande-Anse, to Central America, Europe, Africa and the Caribbean.



Plant capacities

Fabrication shop

2 800 m² (30 000 p²)

Number of employees

40 (permanent)

Typical shifts

Two (2) shifts (day/evening)

Capacity in hours

40 000 to 50 000 hours/annually

Maximum dimensions

36m (120')L x 5.5m (16,5') H x 9m (30') W

Maximum thickness

0.06125" to 8" thickness

Maximum weight

47 000 kg (105 000 lbs) and more with auxiliary equipment





Our Key Personnel

President

Marc Lepage

VP Engineering and Fabrication

Normand Bouchard

Workshop Supervisor

Marc-André St-Pierre

Engineering

Maxime Brassard

Quality Control Manager / Inspector

Josée Dessureault

Sales

Alex Gravel

Estimating

Alain Belley

Administration

Sylvain Béland

Contact information

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