

Company Profile

Canadian Structural & Mechanical Ltd. (CSM) started out in 1990 as a small Maintenance company and has grown to become a full service Industrial Contractor. Our usual workforce is made up of approximately 200 dedicated men and women. We have the infrastructure to exceed 500 employees when needed during the shutdowns.

Our services include Structural Steel Components, Mechanical Piping Systems, Heaters and Boilers, Project Management, Planning, Supervision, Field Checking, Hot Tap Welding and Refrigeration Systems. Our labour force of Pipefitters, Boilermakers and Ironworkers safely deliver a quality service to the refinery pipeline construction and maintenance service sectors. CSM has a long-standing reputation of providing a safe and unparalleled level of Quality, driven by the commitment of minimal disruption to production.

Last year, we surpassed the milestone of 1,500,000 man-hours without a lost time injury. We are the only mechanical contractor in the area that can boast this achievement. Further, we have just been awarded the 2006 Imperial Oil Contractor's Safety Award for "Outstanding Contribution for Safety Improvements". We take pride in our safety record and our commitment to quality service at all times.

We are proud members of a Canadian owned Group of Companies, headquartered in Niagara Falls, Ontario. Together, with our sister companies, we are able to provide a full range of project and maintenance services for all of your industrial needs from coast to coast.



Canadian Structural & Mechanical Ltd.
1399 Lougar Avenue,
Sarnia, Ontario N7S 5N5
Tel: (519) 383-6525 Fax: (519) 383-6789
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Services

Primary Services

Whether you have large construction projects or internal preventative maintenance measures, CSM provides the most appropriate approach to all of your needs. Our Primary Services can begin as early as “Pre-Project Development” through to “Commissioning and Start-up.”

Our Primary Services include...

- Mechanical Piping Systems
- Boilers and Pressure Vessels
- Structural Steel Components
- Shutdowns
- Industrial Painting
- Maintenance Management Programs



Support Services

Our Project Support Team consists of a number of professionals with a tremendous wealth of experience and background in their related fields. At CSM, we are able to harness the benefits of our experience coupled with rigorous training programs in a number of disciplines.

Our Support Services include...

- Quality Assurance Management
- Health and Safety
- Project Management and Supervision
 - Planning and Scheduling
 - Procurement and Expediting
 - Cost Control
 - Field Lay-Out Verifications
 - Risk Analysis
 - Project Execution Strategies
 - Engineering Confirmations
 - Structural Detailing



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Process Piping Systems

Our projects range in size from small upgrades to complete turn-key appropriations. Many of our projects are due to the optimization of current operations. We work on both batch and continuous processes. The majority of the components fabricated in the Shop are for capital projects. We were the first mechanical contractor in the province to implement a Quality Assurance Program authorized by TSSA for Hot Tapping and Line Stopping activities.

Our customers include...

Lanxess, Nova Chemicals, Imperial Oil, Shell, Suncor, TransAlta, Terra Industries and Commercial Alcohols.

Our experience is with...

- Amine
- Blending, terminalling and transfer
- Alkylolation
- Gasoline desulphurisation
- Sulphur recovery systems
- Catalytic cracking and reforming
- Hydrogen
- Hydrocracking
- Hydrotreating
- Crude and vacuum units
- Coking and delayed coking units
- Distillation
- Water and water treatment systems
- Solvents
- Flue gas desulphurisation
- Carbon dioxide removal
- Cooling tower water systems
- Steam generation and recovery systems
- Heat tracing
- Catalyst reduction units
- Co-generation
- Flare gas and flare gas recovery systems



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Boilers and Pressure Vessels

Our projects range in size from tube repairs up to entire boiler refits. We are also trained in the abatement of asbestos, should the need arise.

We currently hold over 75 different welding procedures for a vast number of proprietary alloys and combinations of ferrous and nonferrous materials. Each welder is tested to exacting standards and each weld is identified and stamped to ensure 100% traceability.

Our sister company, Canadian Maritime Engineering (CME), in Dartmouth, Nova Scotia specializes in Pressure Vessel Fabrication under the guidelines of the ASME Boiler, Pressure Vessel Code. Our collective synergies work well together as they provide additional manufacturing expertise and in-house engineering to expedite the delivery of the overall project.



Our customers include...

Lanxess, Union Gas, Nova Chemicals, Imperial Oil, Shell, Suncor, TransAlta, Terra Industries, Basell, Cabot Canada, Dupont, Praxair, BP, Ontario Power Generation and HC Starck.



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Structural Steel Components

Our projects range in size from small access platforms to entire buildings and complete equipment installations. The majority of the components are fabricated in the Shop. We are certified under the CWB Designation.

Our experience is with...

- Existing Building Modifications
- Pre-Fabricated Buildings
- Explosion Proof Buildings
- Office Buildings
- Custom Buildings
- Stairs, Grating, Platforms and Decking
- Pipe Racks
- Tanks and Silos
- Cooling Towers
- Effluent Ponds
- Containment Dykes and Bunkers

Our customers include...

Lanxess, Nova Chemicals, Imperial Oil, Shell, Suncor, TransAlta, Terra Industries, Basell, Cabot Canada, Dupont, Praxair, BP, Ontario Power Generation and HC Starck.



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Shutdowns

Our shutdowns are multi-week, multi shift operations involving as many as 400 tradesmen.

Our experienced supervisors and planners can develop detailed strategies and schedules for large shutdowns right down to the size of the crew and the number of hours required to perform each activity. For all projects, we use either Primavera SureTrac or Microsoft Project Software to develop and maintain the schedule.



Our customers include...

Lanxess, Nova Chemicals, Imperial Oil, Shell, Suncor, TransAlta, Terra Industries, Basell, Cabot Canada, Praxair, BP and HC Starck.



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Industrial Painting

Our projects range in size from small access platforms to large tanks and vessels. We use high pressure water wash equipment to prepare our surfaces wherever possible. This allows for an environmentally friendly approach toward the protection of valued assets.

Our customers include...

Lanxess, Union Gas, Nova Chemicals, Imperial Oil, Shell, Suncor, TransAlta, Terra Industries, Basell, Cabot Canada, Dupont, Praxair, BP, Ontario Power Generation and HC Starck.



Before



After



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Maintenance Management Program

Currently, CSM holds 10 maintenance agreements in the Sarnia area. Our customers include Lanxess, Nova Chemicals (4) sites, Cabot, HC Stark, Basell, Terra and Royal Polymers.

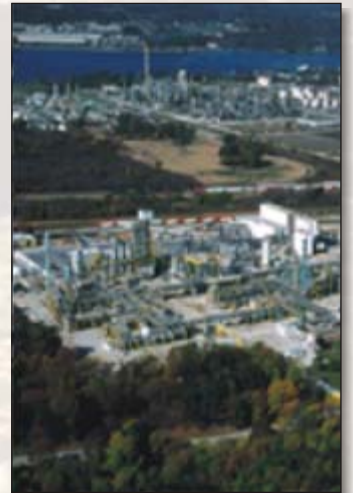
All of our maintenance contracts are able to provide a complete turn-key of services. We have the infrastructure to be the one and only call for all of your maintenance needs. We also provide the administration to track hours, work orders, trade allocations or any other criterion that your internal systems may require.

Should the need arise for larger work such as maintenance shutdowns or capital projects, CSM has the capacity to manage all of your needs, while working within your maintenance structure. In this way, we can grow to as big as you need, when you need it and then return to normal operations with minimal interruption to your production.

At CSM, we have found a way to hold onto our current maintenance agreement commitments all the while expand our projects division to support the needs of our customers. The mix allows us to remain competitive and employ the best workers in both segments of the marketplace. This strategy also allows us to strengthen our commitment to safety and quality due to a smaller turnover of tradesmen.



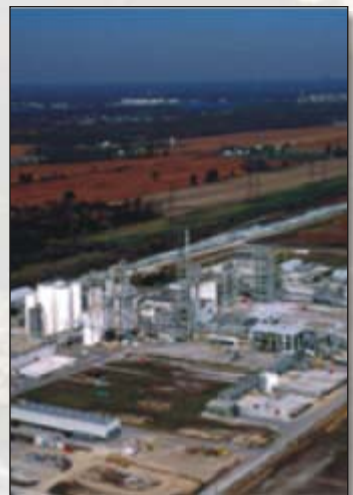
NOVA Sarnia Site



NOVA St. Clair River Site



NOVA Corunna Site



NOVA Moore Site

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Quality Assurance Program

Our commitment to quality is second to none. CSM holds the following Certificates of Authorization...

- TSSA - Hot Tap and Line Stopping of Pressure Equipment in Accordance with CSA Standard B51, Boiler, Pressure Vessel and Pressure Piping Code.
- TSSA - Manufacture of Pressure Vessels with ASME Boiler and Pressure Vessel Code, Section VIII, Division 1 and CSA Standard B51, Boiler, Pressure Vessel and Pressure Piping Code.
- TSSA - Fabrication, Assembly and Erection of Power Piping in accordance with CSA Standard B51, Boiler, Pressure Vessel and Pressure Piping Code and ASME B31.1 Power Piping.
- TSSA - Fabrication, Assembly and Erection of Process Piping in accordance with CSA Standard B51, Boiler, Pressure Vessel and Pressure Piping Code and ASME B31.3 Process Piping.
- TSSA - Repair and alteration of boilers and pressure vessels, piping and fittings in accordance with CSA Standard B51, Boiler, Pressure Vessel and Pressure Piping Code.
- TSSA - Manufacture and assembly of power boilers in accordance with the ASME Boiler and Pressure Vessel Code, Section I, and CSA Standard B51, Boiler, Pressure Vessel and Pressure Piping Code.
- TSSA - Fabrication and Assembly and erection of Refrigeration piping in accordance with CSA Standard B52, Mechanical Refrigeration Code and ASME B31.5 Refrigeration Piping.
- CWB - Structural and Miscellaneous Steel Fabrication for Fusion Welding of Steel in Division 2 in accordance with CSA Standard W47.1
- City of Sarnia - Master Plumbers License.

We also provide the following services under the guidelines of TSSA

- Liquid Penetrant Inspection (All ferrous and nonferrous Materials including all proprietary alloys such as furnace tubes).
- Magnetic Particle Inspection (All ferromagnetic Steels).
- All personnel qualified in accordance with CGSB Level II EMC Sector.
- Ultrasonic thickness testing for base metal thickness verification and weld metal build up of corroded pressure vessels (Hot Taps and Vessel repairs).

Our Quality Assurance Manual is available upon request in either printed form or a convenient CD format if desired.



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Health and Safety Program

Our commitment to safety is unmatched and our actions have spoken volumes. CSM is the only mechanical contractor in the area to reach beyond 1,500,000 man-hours without a lost time injury. Our extensive training programs and diligent commitment to the health and well being of our employees has not gone unnoticed. We are the recipients of the prestigious 2006 Imperial Oil Contractor's Safety Award for Outstanding Contribution for Safety Improvements, both locally and nationally.

Our approach to safety is consistent. We have concluded that proper planning and consistent monitoring are the keys to reduced incidents.

At CSM we excel in "Planning the work and then working the plan". We do this through a number of programs that internally audits our progress and continuously measures our performance against the target of "Zero Incidents".

CSM achieved 100% compliance for the second year in a row on the Industrial Educational Co-operative (IEC) Safety Management Assessment. This is a third party audit which analysis the O.H.S.A. regulations and best industry practices.

Our WSIB experience rating factor is amongst the best in the province.

Our Health and Safety Manual is available upon request in either printed form or a convenient CD format if desired.



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The Russell Group of Companies

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CBB

Canadian Babbitt Bearings
64 Dalkeith Drive
Brantford, Ontario, N3P 1N6
519-752-5471 (phone)
800-963-9863 (toll free)
519-752-7890 (fax)
www.cbb.ca
sales@cbb.ca

CME (Dartmouth)

Canadian Maritime Engineering
Eastern Canada
90 Thornhill Drive,
Dartmouth, Nova Scotia, B3B 1S3
902-468-1888 (phone)
877-468-1888 (toll free)
902-468-1890 (fax)
www.cmelimited.com
office@cmelimited.com

CME (Sarnia)

CME Protective Coatings Ltd.
Central Canada
866 Phillip Street,
Sarnia, Ontario, N7T 1Z6
519-339-9750 (phone)
519-339-8763 (fax)
www.cmesurfacetech.com
sales@cmesurfacetech.com

CME (Victoria)

Canadian Maritime Engineering
Western Canada
825 Admirals Road,
Victoria, British Columbia, V9A 2P1
250-475-3553 (phone)
250-475-3554 (fax)
www.cmelimited.com
office@cmelimited.com

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519-383-6525 (phone)
519-383-6789 (fax)
www.cansam.com
admin@cansam.com

GTI

Gudgeon Thermfire International
420 Neptune Crescent,
London, Ontario, N6M 1A1
519-451-5320 (phone)
519-453-8753 (fax)
www.gudgeon.on.ca

CSC

Canadian Specialty Castings
4248 Broughton Avenue,
Niagara Falls, Ontario, L2E 6V6
905-356-2655 (phone)
905-356-6760 (fax)
www.cscastings.com
sales@cscastings.com



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