Integrated Industrial Equipment Solution Provider
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Hydralfor Inc. was established in August 1999. Detailed engineering, fabrication and installation of conveying equipment, as well as the fabrication of diversified steel structures, form part of our ongoing business mission in the forestry, aluminium, mining and energy domains.

Our business excels in design and fullfilment of turnkey project, whatever level of complexity.

Achievement of this superior status is due to our management philosophy, which is supported by three simple rules:

- Quality ISO 9001 (2008)
- Safe operations
- Respect of human resources

We serve our customers to their entire satisfaction. This means that we put every effort into carrying out projects for which we have been chosen.

"When you entrust a project to Hydralfor, we promptly take care of it"

We sincerely hope to have an opportunity to put our knowledge at your service.

Sincerely,

Deny Bisson,
President
Our company is concerned with quality of product and services. With this target, find here the certifications that reflect our commitment to our clientelle:

**ISO-9001-2008 certification**

On daily basis, we work to maintain the management of the quality system to provide products and services to required levels. Our quality process reflect in each steps of projects, from designing to shipment of products.

**Canadian Welding Bureau certification, Division 2.1**

We have the Canadian Welding Bureau (CWB) certification under the norm CSA W47.1 division 2.1, Each welding procedures is certified by Canadian Welding Bureau. We then garanty the use of welding procedure byt this norms. This certification is renewed yearly.
Fabrication specialties:
- Belt, chain, sidewall, conveyors
- Handling equipments
- Vibrating conveyor
- Steel welded assembly
- Mining equipment
- Disc screen
- Sawmill equipment
- Lumber bin sorter
- Lumber stacker
- Structural steel building

Facilities specs:
- Fabrication shop 60’ x 200’ and 30’ x 80’
- Office area 4800 ft²
- Outside warehouse = 7000 ft²
- 20 ton overhead capacity crane with 22ft lift height
- 10 ton overhead capacity crane with 22ft lift height
- Yard = 300,000 ft²
- Engineering department
- CAD drafting system

Shop Equipment:
- 10 ton carry lift (2) and fork lift (2)
- Acme M-16-A Steel saw
- All-Steel 300 tons x 14' wide Press brake
- Shear press 1/2" x 10' capacity
- Welding machines FCAW type

Certification:
- CWB
- ISO 9001 (2000)
Exterior mining conveyor

CLIFFS Natural Resources, Phase II.

• Fermont, Qc
• 2012

One exterior conveyor (mill feed) measuring 60" belt width and 240 meters long, transporting crushed iron ore and rated at 3250 MTPH. This conveyor has a gallery section measuring 64 meters long, shipped in 4 sections for easy assembly on site.

Interior mining conveyor

CLIFFS Natural Resources, Phase II.

• Fermont, Qc
• 2012

Five interior belt conveyors measuring 54" and 36" large, for a total of 174 meters long, and transporting crushed iron ore and rated 1500 and 2500 MTPH.
Consolidated Thompson Iron Mines Ltée

Fermont, Québec
Juillet 2009

Design and fabrication of iron mine crusher steel structure.

We have fabricated in shop this steel structure used to support the mine crusher, then has been shipped on site early with the original fabrication schedule.

Mining belt conveyor and structural steel

Consolidated Thompson Iron Mines Ltée
Pointe-Noire

Sept-Îles, Québec
Mai 2010

Fabrication of one complete belt conveying system for iron ore concentrate stacking and reclaiming site. These conveyors, using our Hydralrail handrails, measures 2.3 km long and are design to handle more than 8 million metric tons annually. We also fabricated miscellaneous steel structures for this imposant project.
Woodchips conveyor

Fortress Cellulose Spécialité

• Thurso, Qc
• 2011

Fabrication of an extension for one existing chip belt conveyor, measuring 42 inches wide x 170 feet long. Also, fabrication of one new gallery belt conveyor (belt measuring 48 inches belt wide x 330 feet long). The 7 gallery sections are measuring 15.25 feet wide x 14.75 feet high x 48 feet long. This gallery was delivered with 13 pipes lines installed in shop.

Hopper-feeder and sidewall belt conveyor

Elkem Métal Canada

• Jonquière, Qc
• 2011

• Fabrication of one hopper-feeder conveyor for bulk material and one sidewall belt conveyor measuring 24" wide by 95 feet long to distribute additive mix to mill process.
**Hardwood sawmill**

*Kennebec Lumber*

- **Solon, Maine**
- **February 2000**

- Hardwood sawmill turnkey project (mechanical & control) for random length lumber production of 25,000 board feet per shift.

- Hydralfor supplied all handling equipment including vibrating conveyors.

- Sub contract of primary breakdown equipment was awarded to Forano and Pro-Logic Plus.

- The mill is actually processing more than 40,000 board feet of lumber per shift.

**Chip plant**

*E.J. Carrier Portage LLC*

- **Portage, Maine**
- **March 2001**

- Wood chip plant turnkey project (civil, mechanic, electrical & control) for wood chip mill production of 1,000 short tons per shift.

- Hydralfor supplied all handling equipment including vibrating conveyors, chip storage, belt conveyors and chip bins.

- Sub contract of primary breakdown equipment was awarded to Valmet, BM&M, Valon Kone and Pro-Logic Plus.

- The mill is actually processing with more than 1,400 short tons of chips per shift and is operating since April 2001.
**Major accomplishments**

**Hardwood bin sorter and stacker**

*Kennebec Lumber*

- *Solon, Maine*
- *April 2003*

- Turnkey project (mechanical, control and installation) for an hardwood sorter and stacker line.

- The project includes one heavy-duty automatic bin sorter, designed to handle hardwood into 50 bins. Activated by means of hydraulic cylinders, infeed and outfeed transfer chains including one turning table in a "S" shape. Infeed and outfeed transfer chains for an automatic lumber stacker, one high efficiency lumber stacker with automatic layer gap separator to increase drying efficiency.

- We designed the system for the customer's needs and our installation crew did the installation and the start-up works.
Major accomplishments

**Hardwood & softwood chip plant**

*R.J. Chipping*

- *Shelburne, New Hampshire*
- *October 2005*

- Fabrication and installation project for one hardwood or softwood chipping line.

- This project included the design of heavy-duty log conveyors to feed the drum debarker and chipper, chips, sawdust and bark handling conveyors.

- We also designed and built the building steel shell and our installation team did the site installation works and start-up.

**Paul Vallée Lumber**

- *Milan, New Hampshire*
- *April 2006*

- Turnkey project for the building and installation of a complete softwood sawmill.

- The project includes all handling conveyors, one log sorter 3 deck system, an optimized canter-twin breakdown, an optimized edger line, an optimized wiggle box gang edger line, an optimized trimmer and 78 bins, drag type automatic board sorter designed to handle curved board at high speed, infeed and outfeed transfer chains including one turning table, infeed and outfeed stacker transfer chains and one lumber stacker.

**Turn key softwood sawmill**
Debarking system modernization

- Kruger Inc. Division Scerie Parent
  - Parent, Québec
  - February 2001
  - Log sorting system turnkey project (mechanic, installation & start-up) for sawmill debarker infeed to process 16 foot logs at 850 feet per minute.

- Hydralfor dismantled used equipment from another division of Kruger and has provided all the handling equipment including scanner chain, transfer decks and logs bin. Installation of second log sorting line was made during a scheduled 3 weeks mill shut down schedule.

Planer outfeed

- Great West Timber Ltd.
  - Thunder Bay, Ontario
  - September 2000

- Hydralfor supplied all handling equipment including adjustable precision trimmer, a Canadian style trimmer with special outfeed chains and side feeding bin sorter (5 bins).

- We fabricated and shipped the equipment to Thunder Bay. Great West took care of the installation.

Cathode conveyor system

- Alcan usine Grande-Baie
  - Ville de La Baie, Québec
  - March 2001

- Design and fabrication of a cathode conveying system for aluminium plant.

- Hydralfor supplied all handling equipment including free roll cases, electric pull car, motorized carriage and transfer chains. Installation was done by an Alcan sub-contractor.
Alumina conveying system

● Port de Québec, Quai 51 (Alusuisse Alesa)

• City of Quebec, Province de Québec
• October 2000

• Design of a tubular conveyor system and distribution box.

• To handle and store unloaded alumina from boats, Hydralfor fabricated the main platform used to support and spread loads from a distribution box, over the thin roof concrete wall of a storage dome.

Lightweight chips trailer

● Hydralfor

• Laterrière, Québec
• October 2000

• Hydralfor has developed an ultra-light prototype trailer for wood chips transportation dedicated to the northern United States market.

• The prototype constructed has been in service since December 2000 for an American user. The trailer has performed efficiently and cost saving due to its very light weight.

Bauxite belt conveyor

Alcan Installations Portuaires

• Ville de La Baie, Québec
• April 2003

• Design and fabrication of ST-50 underground bauxite feeder and ST-52 conveyor as part of the MBH phase II project.

• Facing a tight delivery schedule impowed by customer, Hydralfor was one week ahead of the targeted delivery for equipment installed under storage building #2.
Bark hogging system

*Kruger Inc, Division Scierie Manic & Parent Mill*

*• Ragueneau & Parent, Quebec*
*• March 2002*

• Turnkey project (civil, mechanic, installation & start-up) for bark hogging system installation.

• Hydralfor provided all handling equipment including a bark storage conveyor, hog sub-structure and shed. Sub contract of primary breakdown equipment was awarded to Jeffrey.

• Installation of equipment was executed during a scheduled 4 days mill shut down.

Shuttle conveyor

*Abitibi Consolidated Division Kenogami*

*• Jonquières, Québec*
*• April 2002*

• Design & fabrication of reversing chip 36" belt conveyor by 55 feet long traveling 43 feet into the chips storage building to accumulate chips in different areas of building.

• A winch cable moves conveyor over the rails. The customer’s sub-contractor made installation.

Carousel conveyor for aluminium bars

*Alcan, usine Alma.*

*• Alma, Québec*
*• October 2002*

• Fabrication of a carousel system to handle aluminium bars rejected from the production line. As the container boxes are filled, they are moved over the carousel to be managed by the lift truck, which insure the rotation of boxes of stock.
Pot shell 661

Alcan, usine Arvida

• Jonquières, Québec
• February 2003

• Fabrication of pot shells model 661, used during the aluminium smelting process at Alcan's Arvida plant.

Wood chip storage conveyor

Elkem Métal Canada

• Chicoutimi, Québec
• August 2003

• Turnkey project (supply and installation) of a 24" wide x 141'-0" long belt conveyor to handle wood chips to the storage bin.

• The conveyor has one catwalk along each side and one maintenance platform at discharge.

• Installation of the conveyor was made by our installation crew.

Operating tools

Aluminerie Alouette phase 2

• Sept-Îles, Québec
• August 2004

• Detailed engineering, fabrication & supply of start-up equipment such as lifting beams, shunts, stainless steel removable slabs, etc.
Start-up & operating tools and equipment

Alba Line Expansion Project

• Manamma, Bahrain
• November 2004

• Detailed engineering, fabrication & supply of start-up equipment such as lifting beams, shunts, stainless steel removable slabs, etc.

Sidewall belt conveyor for bath

Alcan Usine Jonquières

• Jonquières, Québec
• October 2006

• The project began with the design and detail engineering of the sidewall conveyor. The conveyor was designed specifically to handle the waste particles of the hot bath coming from aluminium production.

• Hydralfor did the fabrication, mechanical assembly and mounted the complete conveyor in our shop and did the pre-operational verification and start-up before shipping.

Gfd 2.5 diverter

Ormat Project/Bachmann USA

• Kerrobert, Saskatchewan
• July 2006

• Fabrication of one complete bypass system to redirect hot gas through the purification system.

• This is a complex fabrication process needing materials such as Inconel 625, A-588, A-514, high temperature insulation, etc.

• We fabricated the components in modules for shipping and they were pre-assembled in Hydralfor's shop for mechanical tests.
Scr bypass diverter

*Thomas Hill 3 Project/Bachmann USA*

- *Cliffton Hill, Michigan*
- *December 2006*

- Fabrication of two complete bypass systems to redirect toxic gas through the purification system.
- This is a complex fabrication process needing materials such as Inconel 625, A-588, A-514, high temperature insulation, etc.
- We fabricated the components in modules for shipping and they were pre-assembled at the shop for mechanical tests.

Machine rebuilding

*Tafisa Canada*

- *Lac-Mégantic, Québec*
- *March 2007*

- Reconditionning project of different fiber refining production machines and fiber tanks damaged by fire at the site.
- We dismantled the machines in the shop for cleaning, painting and replacement of various damaged mechanical components.
- We worked under supervision of Pallmann's technician, the original manufacturer from Germany.
- We ran tests at our shop to check impellers rotation.
- We also repaired the tank panels damaged from the fire.
- Our task was to design the dismantling and remounting method. Fabrication of tools for the site.
- We handled the painting-repairs / replacements of the damaged panels, and provided shipment back to our client's site.
**Sohar aluminium smelter project**

*Bechtel*

- *Sohar, Oman*
- *February 2008*

  *Detailed engineering, fabrication and supply of start-up equipment such as lifting beams, shunt extractor and measuring tools.*

**Dust collector and coke bin**

*Rio Tinto Alesa*

- *Boisbriand, Québec*
- *August 2008*

  *Detailed engineering and fabrication on site of a dust collector and coke bin for an aluminium smelter project.*

  *We fabricated and shipped the equipment to Montreal, Quebec.*

**crossarms**

*NB Power*

- *Fredericton, Nouveau Brunswick*
- *January 2009*

  *Hydralfor supplied 570 crossarms to the New Brunswick government for their electrical supply project.*

  *We fabricated and shipped the equipment to Fredericton, NB.*
**Prefabricated electrical building**

*Automatisation Grimard*

*Chicoutimi, Québec*

*April 2009*

*Hydralfor supplied a prefabricated electrical building to our customer for a British Columbia government electrical supply project.*

*We fabricated and shipped the equipment, where it was assembled on site by BC Power.*

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**Pumping station**

*Consolidated Thompson Iron Ore Mines Ltée.*

*Fermont, Québec*

*October 2009*

*Design and fabrication of a pumping station facility for the Bloom Lake project.*

*This pumping station facility was entirely fabricated and assembled in our shop, and is used to protect various related equipment contained within.*

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**Pulley support**

*Hydrep*

*Jonquière, Québec*

*November 2009*

*Detailed engineering and fabrication on site of a pulley support for a hydraulic project.*

*We fabricated and shipped the equipment to Jonquiere, Quebec.*
Vibrating conveyor
Steel building structures
Bin sorter
Special order products
Hydralrail
(standard industrial handrail)

For more information regarding our products, please consult our Hydralrail catalog available on our website at www.hydralfor.com