DCM'S SERVICE OVERVIEW

June 2015

Introduction

DCM (Dawco Construction Management), a privately owned company, was incorporated in 2008 in order to group its family of trade specific companies under one common management and ownership group.

In 2015, Dawcolectric, who has been operating for over 65 years, unites with Solimec and DL Instrumentation to create a new company focused on leveraging our high-performing multidisciplinary teams.

The new structure simply leads to greater agility and flexibility with regards to staffing. Ultimately, it reinforces our capacity to deliver tailored premium quality solutions at a competitive price and in a safe and secure work environment.

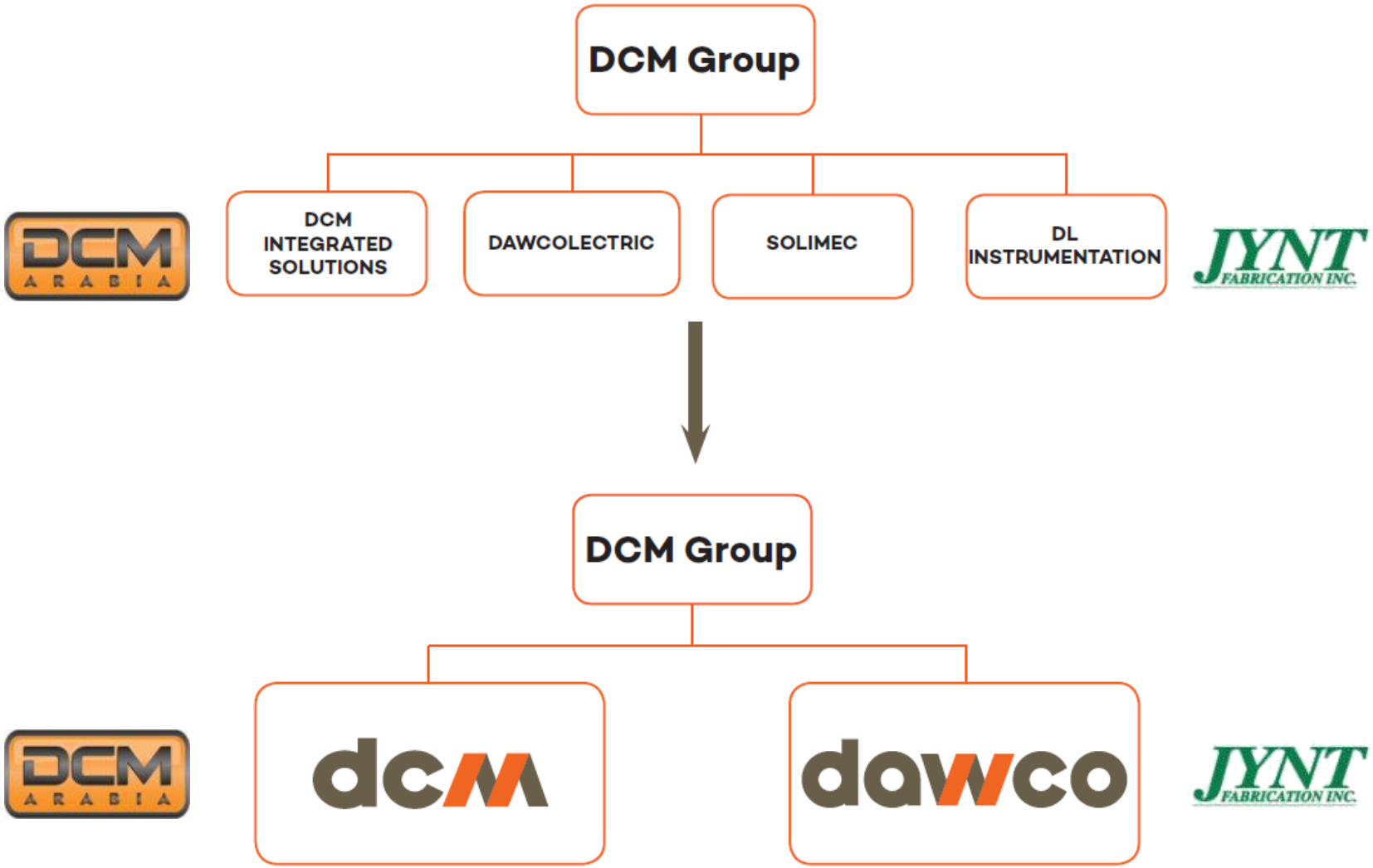
In summary, our construction management expertise combined with our skilled workforce make us an exceptional candidate to provide complete industrial and commercial construction services.

DCM Group

Dawcolectric
DL
Instrumentation
Solimec
UNITE TO CREATE
dawco

DCM Group

DCM Group


DCM Group
DCM INTEGRATED SOLUTIONS
DAWCOLECTRIC
SOLIMEC
DL INSTRUMENTATION
DCM Group
dcm
dawco

DCM Group

dcm dawco

- Industrial electrical construction
- Electrical equipment installation
- Plant maintenance

- Process piping equipment installation
- Mechanical maintenance
- Shut downs
- Industrial mechanical construction

- Control and instrumentation installation and maintenance
- Pneumatic and electric
- Equipment design and fabrication
- Commissioning and startups

JYNT FABRICATION INC.
Fabrication de tuyauterie industrielle

- Industrial piping manufacturing
- Spool fabrication
- Specialization in different welding types

DCM ARABIA

- Joint venture with Al Osais in Saudi Arabia
- Electrical, Mechanical and Piping Construction
- Plant maintenance.

Locations

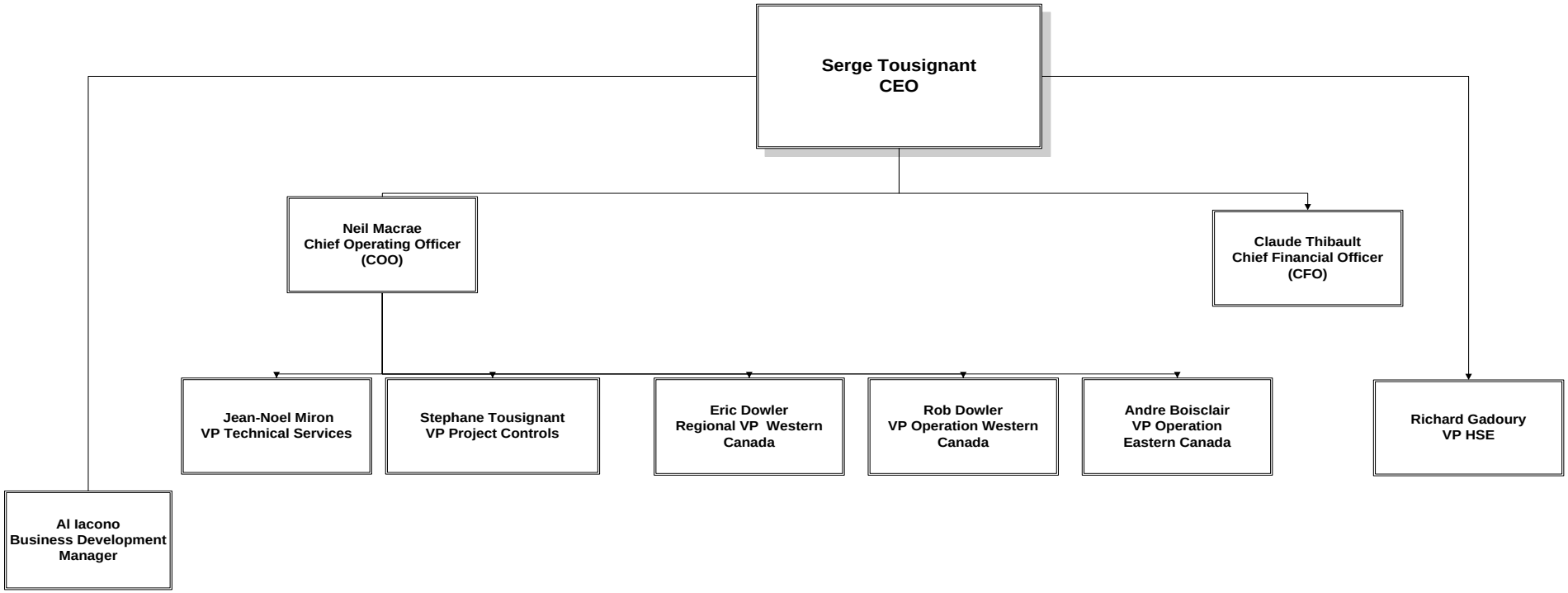
Canada

Middle-East

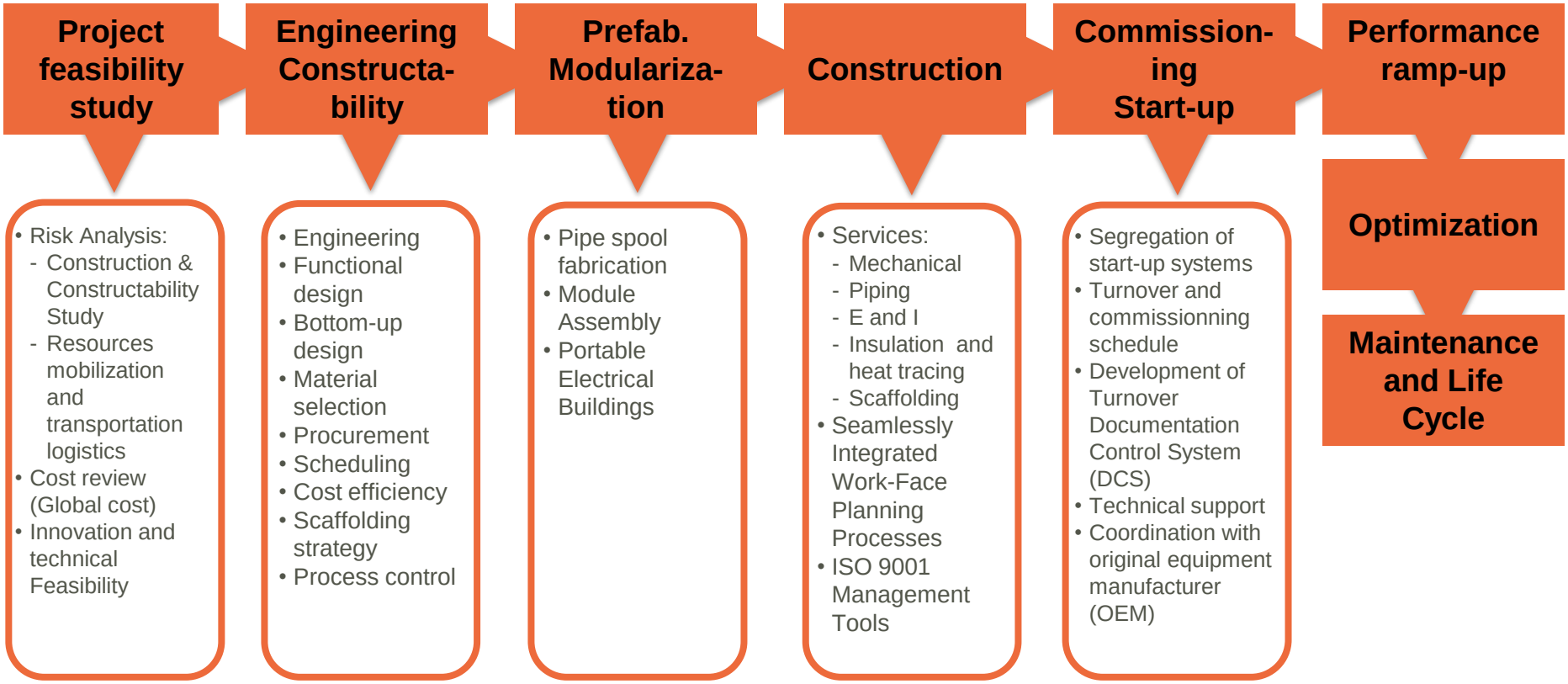
Our Markets

- Oil and gas
- Power generation
- Mining & metallurgy
- Petrochemicals & Chemicals
- Pulp & paper
- Infrastructures
- Aeronautics and manufacturing
- Commercial projects

Management Team



Expertise

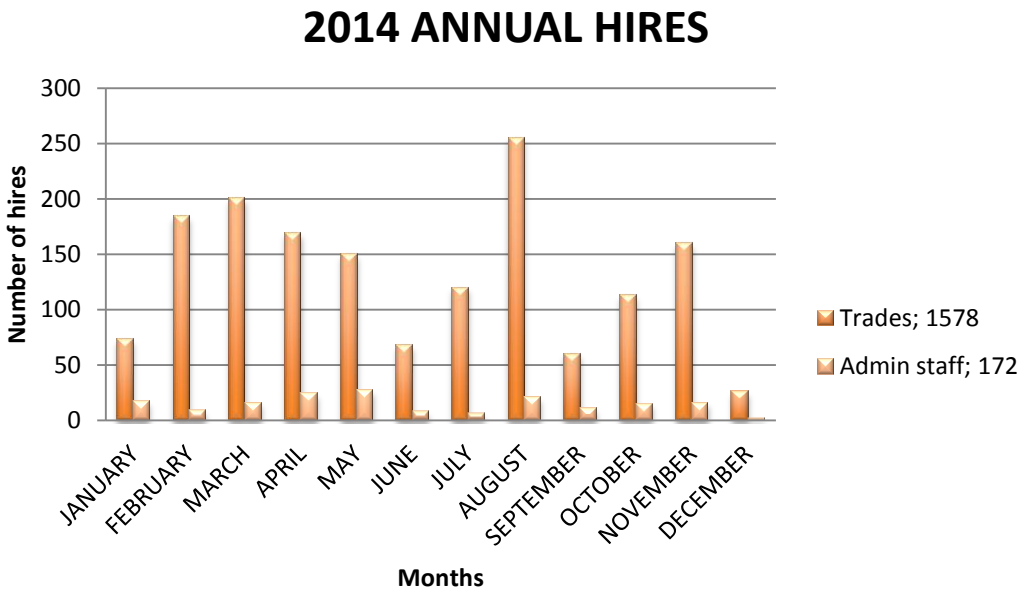

Project feasibility study
Engineering Constructa-bility
Prefab. Modulariza-tion
Construction
Commission-ing Start-up
Performance ramp-up
Optimization
Maintenance and Life Cycle
• Risk Analysis:
- Construction & Constructability Study
- Resources mobilization and transportation logistics
• Cost review (Global cost)
• Innovation and technical Feasibility
• Engineering
• Functional design
• Bottom-up design
• Material selection
• Procurement
• Scheduling
• Cost efficiency
• Scaffolding strategy
• Process control
• Pipe spool fabrication
• Module Assembly
• Portable Electrical Buildings
• Services:
- Mechanical
- Piping
- E and I
- Insulation and heat tracing
- Scaffolding
• Seamlessly Integrated Work-Face Planning Processes
• ISO 9001 Management Tools
• Segregation of start-up systems
• Turnover and commissionning schedule
• Development of Turnover Documentation Control System (DCS)
• Technical support
• Coordination with original equipment manufacturer (OEM)

Sample Projects

Client	Project	Location	Scope of work
CNRL-Horizon Oil Sands	Maintenance (all services) Hydrogen Sulphide Unit (HSU) Delay Coker Unit (DCU) Gas Recovery Unit (GRU) Butane Treating Unit (BTU) Debottlenecking	Fort McMurray, Ab.	Mechanical, Piping, Electrical & Instrumentation
Suncor Energy	Debottlenecking	Mackay River, Ab.	Mechanical, Piping, Electrical & Instrumentation
Mosaic Potash	Potash Mine Processing Plant	Colonsay, Sask.	Mechanical & Piping
Thyssen Krupp	Syncrude - Mildred Lake Mine Replacement	Mildred Lake, Ab.	Piping and Electric Heat Tracing (EHT)
Siemens Canada	Poste Belanger	Montreal, Qc.	Electrical
ABB	Modular E-house	Edmonton, Ab.	Electrical & Instrumentation
Bombardier	Plant Expansion	Mirabel, Qc.	Electrical
ArcelorMittal	Sludge Thickener	Mount Wright, Qc.	Civil, Structural, Mechanical & Piping
Saudi Aramco	Plant F-13 Cooling Tower	Kingdom of Saudi Arabia-Jubail	Mechanical, Piping, Electrical & Instrumentation
Viterra	Montreal Terminal Dust Collection, Transport & Storage System	Montreal, Qc.	Mechanical, Piping, Electrical & Instrumentation
Montreal International Fuel Facilities Corporation	North Terminal Expansion	Montreal, Qc.	Mechanical & Piping

Project Staffing

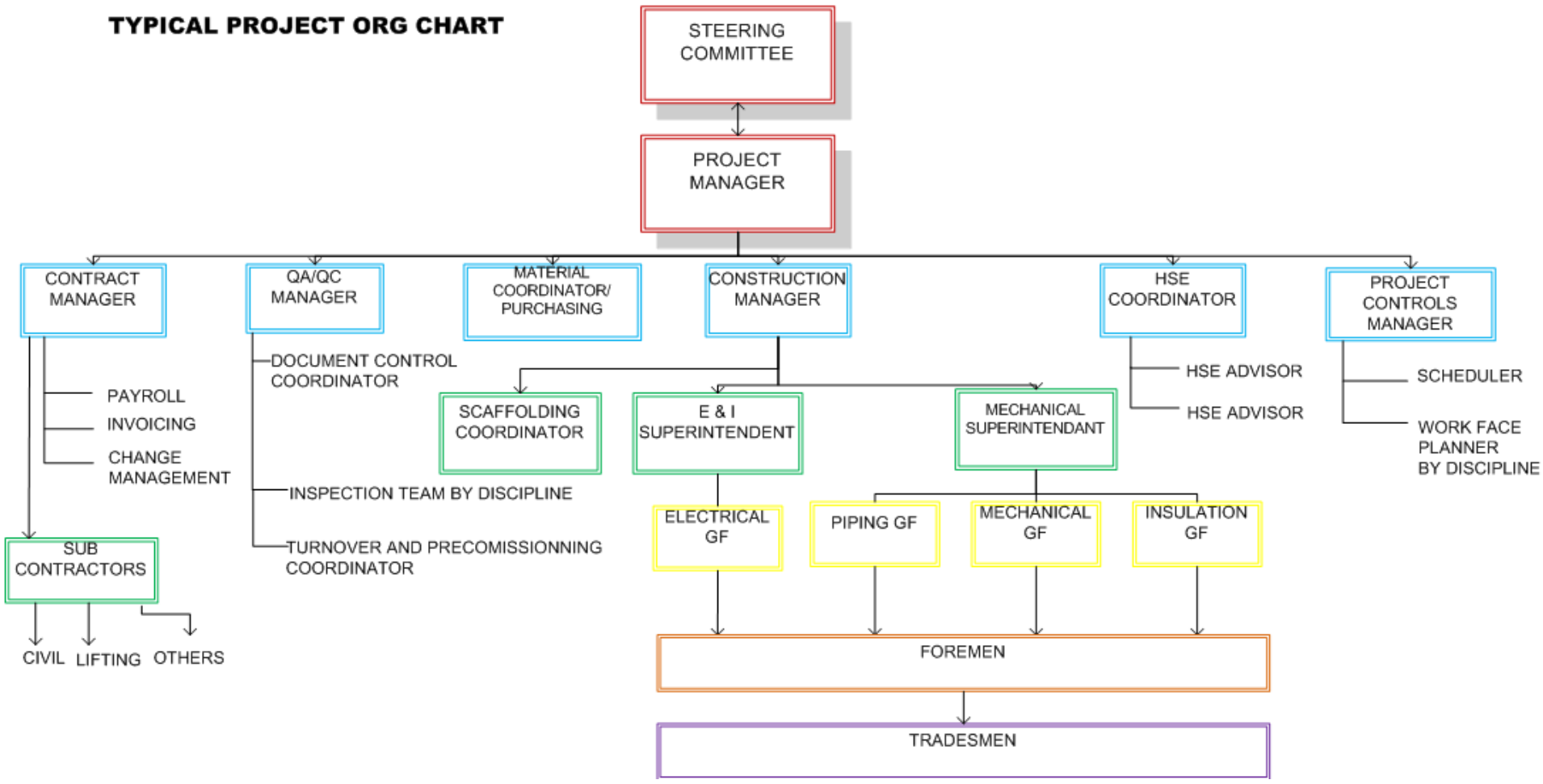
- Past projects required DCM to ramp up to 1500 tradesmen
- Access to Building Trades and Alternate Union (CMAW)
- Temporary Foreign Workers strategy
- Pan-Canadian recruitment capacity
- Fly-in fly-out strategy (50 to 100 travel weekly across Canada and USA)
- Quick growth recruitment capacity
- 10 full time recruiters in Human Resource Department



Health and Safety

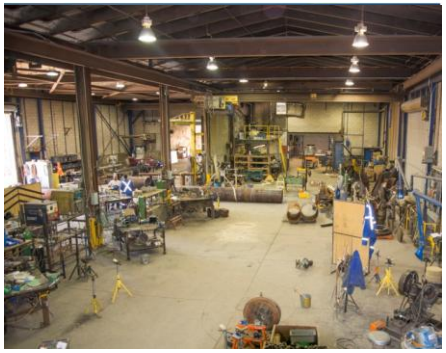
- Safety Program: "World class safety standards"
- Hazard assessment
  - Code of practice
  - Safe work practice
  - Project hazard analysis
  - JHA and FLHA
- Training and communication
  - Orientation, tool box meeting
- Top Down Culture of Safety driven by strong internal communication including annual Safety Symposium, newsletters, message from president, etc.
- Behavior management
  - BBS, FLHA auditing, Competency Verification Program, etc.

Typical Project Team



JYNT Fabrication

SUMMARY
- Fabrication of industrial and commercial piping systems of multiple bore sizes since 1993
- Extensive experience in major North American projects in a multitude of industrial markets
- In 2013, the company joined the DCM Group



SHOP CAPACITY
- Outdoor courtyard size: 227 601 sq. ft. (1,392 m2)
- Shop Size: 14 938 sq. ft. (1,392 m2)
- Welding stations: up to 12 per shift
- Rail unloading and loading capability

WELDING EXPERTISE
- GTAW & SMAW
- Steel Grades:
  - Stainless Steel (304, 316 & 321)
  - Alloys (Duplex, Hastalloy, Alloy 20, Inconel, Chrome)
  - Carbon Steel

JYNT Fabrication

TESTING AND QUALITY ASSURANCE

- Non Destructive Examination (NDE):
  - Visual inspection,
  - Dye-Penetrant
  - X-ray via 3rd party (Atlas or Mequaltech Inc.)
- Hydrostatic testing
- Quality control manual in accordance with the Pressure Vessels Act and Regulations governed by the *Régie du Bâtiment du Québec*
- Welding procedures, welders and pipefitters meet the ASME requirements

CERTIFICATIONS

- ASME: Section VIII division I, Section IX
- Fabrication of Steel Structures: CSA W47.1 Division II
- Power Piping: ASME B31.1
- Process Piping: ASME B31.3
- Refrigeration and Heat Transfer: ASME B31.5
- Canadian Welding Bureau: CWB
- Canadian Standards Association: B51
- CPFA: UA Label
- Régie Du Bâtiment du Québec: QQP 315

SERVICES

- Isometric pipe spool drawings
- Bulk procurement of material
- Handling, cutting and beveling of pipe to specification
- Precision pipefitting
- Assembling of small and large bore spools, pipe racks and modules
- Insulation of pipe and vessels
- Stress relieving (via 3rd party)
- Packaging and shipping preparation (Rail or Truck)
- History docket and weld mapping

Experience

Suncor Energy

Project description:
Deblottlenecking

Location:
Mackay River, Alberta, Canada

Our mandate:
Mechanical, Piping, Electrical & Instrumentation

DCM's mandate was to execute work on piping and a high pressure steam generator, including steel prefabrication and installation, insulation, and electrical & instrumentation.

CNRL – Maintenance

Project description:
U2 Upgrader Maintenance

Location:
Fort McMurray, Alberta, Canada

Our mandate:
Mechanical, Piping, Electrical & Instrumentation

In recent years, DCM's maintenance mandate has grown at the Horizon Oil Sands facilities. Our scope has recently been increased to include the electrical & instrumentation, insulation, and scaffolding services. This increases our maintenance team to more than 250 people.

CNRL – Debottlenecking

Project description:
Deblottlenecking

Location:
Fort McMurray, Alberta, Canada

Our mandate:
Mechanical, Piping, Electrical & Instrumentation

DCM's mandate was to execute pre shut-down and shut-down activities at the Canadian Natural Resources Limited (CNRL) - Horizon Oil Sands facilities.

Smurfit-Stone - Shutdowns

Project description:

Smurfit-Stone – Annual plant shutdowns

Location:

Portage-du-Fort, Quebec, Canada

Our mandate:

Mechanical & Piping

At the Smurfit-Stone pulp mill in Portage-du-Fort, Quebec, we successfully completed the annual plant shutdowns in the last 15 years. With over 80 tradesmen working on two shifts, shutdowns were completed on time, on budget and without any lost time incidents.

Syncrude

Project description:
Mildred Lake Mine Replacement

Location:
Mildred Lake, Alberta, Canada

Our mandate:
Piping and Electric Heat Tracing (EHT)

ThyssenKrupp Industrial Solutions (Canada) awarded DCM the mandate to perform off-Site fabrication, on-site installation, and electrical heat tracing of piping for two slurry preparation buildings for the Mildred Lake Mine Replacement project at Syncrude.

CNRL – GRU Supermodule Unit

Project description:
Gas Recovery Unit (Super Module assembly which weighed almost one million kilograms)

Location:
Fort McMurray, Alberta, Canada

Our mandate:
Mechanical, Piping, Electrical & Instrumentation

DCM's mandate was to assemble, move and install the gas recovery unit super module. This work required the involvement of mechanical, piping, electrical and instrumentation teams.

CNRL – Primary Upgrader

Project description:
Primary Upgrader

Location:
Fort McMurray, Alberta, Canada

Our mandate:
Piping, Electrical & Instrumentation

Technip awarded DCM the mandate to perform piping and insulation work including over 400 km of electric heat tracing complete with instrumentation and power distribution.

CNRL – HSU

Project description:
Hydrogen Sulphide Unit

Location:
Fort McMurray, Alberta, Canada

Our mandate:
Mechanical, Piping, Electrical & Instrumentation

Tecnicas Reunidas awarded DCM the mandate to install structural steel, mechanical equipment, piping, electrical, instrumentation and insulation components for the erection of the Hydrogen Sulphide Unit at the CNRL Horizon site.

Montreal International Fuel Facilities Corporation (MIFFC)

Project description:
Montreal International Fuel Facilities Corporation – North Terminal Expansion

Location:
Montreal, Quebec, Canada

Our mandate:
Mechanical & Piping

Installation of a new surge tank on the fuel lines at the Montréal-Trudeau International Airport. Offloading, handling and secure storage of all piping, valve materials and equipment. Excavation of existing material, supply, placing and compaction of backfill materials. Installation of all owner supplied pipe, valves and fittings.

ArcelorMittal Mines Canada

Project description:
Sludge Thickener

Location:
Mount Wright, Quebec, Canada

Our mandate:
Civil, Structural, Mechanical & Piping

Complete construction, from the concrete bases to the mechanical installation of equipment, of a 43m dia thickener, a 25m dia water tank, a pump house building and a piperack that connects to the concentrator sector of the Mount Wright Iron Mining Complex.

Canaport LNG

Project description:
Gas Liquefaction Process Unit

Location:
Saint-John, New Brunswick, Canada

Our mandate:

Mechanical, Piping, electrical, instrumentation, and communications works. DCM's mandate included:

- Installation of over 28,000 feet of specialty stainless steel process piping
- Pre-fabrication of tank piping
- Development and implementation of cryogenic welding procedures
- Instrumentation calibration / installation / testing
- Communication cabling installation / testing

Irving Shipyard

Project description:
Irving Shipyard Modernization Project

Location:
Halifax, Nova Scotia, Canada

Our mandate:
Electrical

The scope of work included lighting, distribution, fire alarm system, ground, security system and the ducting of the computer network. 175,000 feet of Teck cable were installed, as well as 220,000 feet of ducts. Much of the lighting and wiring distribution was performed on lifting platforms 150 feet above the ground.

Irving Gas

Project description:
King of cats – Gas desulphurisation unit

Location:
St. John, New Brunswick, Canada

Our mandate:
Electrical and instrumentation installation

Engineered by:
Fluor

Shell Canada

Project description:
Gasoline and new diesel desulphurization units

Location:
Montreal, Quebec, Canada

Our mandate:
Electrical and instrumentation installation

Viterra

Project description:
Montreal Terminal Dust Collection, Transport & Storage Systeml

Location:
Montreal, Quebec, Canada

Our mandate:
Mechanical, Piping, Electrical & Instrumentation

Work included changes to the support steel for the dust collector, modification of the existing duct, changes to the structural brackets, replacement of the dust collector fan motor electrical system, installation of supplied head pulley belt scrapers and side doors, installation of larger bolted explosion vents on the dust bin, and more.

Why Choose DCM?

Why Choose DCM?

- 65 years of experience in industrial and commercial construction – with solid oil and gas background
- Highest health and safety standards that benefit employees, clients, subcontractors and the environment
- Qualified team with quick ramp up capabilities
- Exceptional project execution
- Proven track record
- Meeting and surpassing project and industry quality requirements

Choose DCM for agility, performance, and human values

Why Choose DCM?

Our mission

"To be an industry leader that develops a family of talented individuals in a culture of innovation, safety, responsibility, quality, efficiency and fun."

Thank You
Questions?