EXPORTING OUR BELGIAN KNOW-HOW IN CANADA
BELGIAN ECONOMIC MISSION
WESTERN CANADA

Press Information - October 2015
About Cofely Fabricom

A multi-technical solutions integrator
60 years of technological development
The division Cofely Fabricom Oil, Gas & Power

Exporting our Belgian know-how in Alberta

Meeting oil sands trends
Modularization in Alberta
Production yard in Fort Saskatchewan

About Cofely in general
About Cofely Fabricom

A multi-technical solutions integrator

Cofely Fabricom boasts over 60 years of experience in the field of innovative multi-technical installations and services for the infrastructure, tertiary, industry, as well as energy and oil & gas markets. Its expertise covers a wide and varied range of disciplines such as electricity, instrumentation, mechanical, industrial piping, automation and maintenance.

Its strong presence in Belgium and Luxembourg, as well as its branches and sister companies in Europe, enable it to participate in any major project, whether local or pan-European.

TURNOVER: € 1.2 BILLION

NUMBER OF EMPLOYEES: 7,300
60 years of continuous technological development

Technology in evolution

1946 Cofely Fabricom, under the initial name of Fabricom, started its activities in Belgium with services including the installation of electrical equipment and the construction of high voltage networks.

The ’50s and ’60s: start pipe bending, first nuclear power equipment
In 1950 Fabricom began offering piping and mechanical installation services and established a new department to handle the production and installation of pipes to a growing customer base in Belgium and abroad.

1956 First entry into the high voltage market
> Acquisition of La Construction Soudée (which builds pylons) compliments the power line installation service already offered by Fabricom - a perfect combination to integrate a complete customer solution.

1956-1959 Installation of BR2 study center nuclear reactor cooling circuit piping in the Belgian Nuclear Research Center of Mol.

1958 Expo ’58 in Brussels
> Fabricom makes a fundamental contribution to the smooth running of the World Expo (electricity and lighting systems) and brings the organization to the world stage.

1965 Boiler construction and copper smith is divested
> Fabricom brings focus to the organisation and re-aligns work in prefab pipe.

The ‘70s: first steps in the management of “hot and cold” installations

1971 Construction of the pipe bending workshop in Grimbergen
> Further specialization is developed and establishes a foundation for Fabricom to become a leader in induction pipe bending. Fabricom starts work on Belgium’s first nuclear plants in Doel and Tihange.

1976 Construction of an incinerator in Luxemburg
> Fabricom sets its first steps in this industry. Fabricom also signs several nuclear contracts. The Fabricom team leverages their expertise and continues work in the nuclear sector with several agreements and brilliant technical and financial success.

The ‘80s: continuation of the diversification policy

1980 Construction of a port for LNG tankers in Zeebrugge

1983 Delivery of its first 8 modules for Kårsta’s gas terminal in Norway
> A Reputation as a technical expert is confirmed in the services sector for the oil and gas market with work on a historic Norwegian gas terminal.

1987 Fabricom Group established
> With a growing team of exceptionally talented technicians, Fabricom charges forward into the European market. The Fabricom Group expands in Europe through a series of strategic acquisitions in Belgium, the Netherlands, Norway and Great Britain establishing a unique position in oil and gas markets.

1988 Acquisition of the Fabricom Group by SUEZ
> The Fabricom Group is indirectly acquired by SUEZ through SGB which has the ownership of Tractebel, who owns the Fabricom Group, and continues developing the technical expertise and related reputation as an innovator in the sector.
2000: organizational and operational developments
A series of organizational and operational developments illustrate the growth of Fabricom within the SUEZ Group.

2002 The Fabricom Group acquires GTI
> GTI is a preferred partner in the Netherlands offering similar services as Fabricom in Belgium. Following this acquisition, the two organizations reallocate their respective subsidiaries, both in Belgium and in the Netherlands. In Belgium, the new organization works under the name of Fabricom GTI and builds a reputation as a leader in innovative solutions.

2005 Fabricom GTI becomes part of a new structure within SUEZ
> SUEZ Energy Services. Establishment of the SUEZ Energy Services Business Unit, which comprises the engineering, contracting and services business. SUEZ Energy Services is organized nationally. In Belgium, SUEZ Energy Services consists of Fabricom GTI, AXIMA Contracting and AXIMA Services and builds an extensive network of technical innovation across Europe.

2006 Fabricom GTI simplifies its operational structure
> Fabricom GTI changes its name and simplifies its operational structure with 2 segments: Belgian Operations & International Operations. During this period a new branch is established in Belgium: Fabricom Maintenance nv, which completes the integrated approach for customers across the globe.

2006 - 2008 Fabricom GTI participates in impressive projects
> The bridge in Temse, the biomass power plant in Ruien, the installation of the complete electricity network of the new Antwerp court, the renewal of Sonatrach’s gas pipelines, and the DIABOLO project in Zaventem.

2008 GDF Suez is created
> A new entity is formed from the merger of Gaz de France and SUEZ. GDF SUEZ is created, establishing the new organization as global energy player. Fabricom GTI becomes part of the BU Belgium within the Energy Services branch of the GDF SUEZ group.

2010: continuing to build the future
Cofely Fabricom meets the challenges of tomorrow and continues to respond to the market.

2010 Cofely Fabricom charges forward!
> Fabricom’s Business Units with activities in the oil & gas sector are rebranded Fabricom Oil & Gas.

2011 Fabricom delivers two offshore substations for the London Array project, consisting of 175 turbines each with a 3.6 MW output. September 2015 Fabricom was awarded its 18th offshore substation and is considered as market leader in this domain.

2012 GDF SUEZ E&P Norge awards Fabricom an important long-term contract for modification services for the Gjøa platform in Norway. Fabricom changes its name and becomes Cofely Fabricom.

2013 Creation of Cofely Fabricom Canada
> Opening of a branch in Alberta with headquarters in Calgary and operations in Fort Saskatchewan.

June 2014 Start civil works for modular assembly yard in Alberta
> In record time, Cofely Fabricom obtains all necessary permits to start civil work and phase one of a 30 acre module yard.
The division Cofely Fabricom Oil, Gas & Power

Cofely Fabricom Oil, Gas & Power is an apart division of Cofely Fabricom, part of International Operations. It focuses on multi-technical services and solutions for the Oil, Gas and Energy markets, and in particular the North Sea offshore region. Consisting of companies in the UK, Norway, Belgium, and the Netherlands, Cofely Fabricom Oil, Gas & Power is a coherent operational unit, ideally positioned around the North Sea to serve its customers. There is also a presence in Africa, the Middle East and Canada. The aim of the group, which has a long history in the European market, is to act as a key player offering added-value for onshore and offshore services and solutions to the Oil, Gas and Energy groups. The Oil & Gas division is the historical expert for building complex modules for the upstream, mid-stream and downstream Oil, Gas and Power industry, offering a wide range of additional services (early involvement in modular application studies for projects, on-site installation, maintenance) constantly innovating in the solutions we propose (turnkey substations for off-shore wind farms).

A key position around the North Sea and developing internationally

To satisfy the requirements of customers who are increasingly demanding global solutions as they expand onto international markets, we work on Oil and Gas platforms, in refineries, at gas terminals and in petrochemical plants within a number of countries. Our Belgian know-how and expertise of prefabrication and on-site construction and installation of large-scale complex modules, over the last decades, has been exported to the whole of (Western) Europe, Africa, the Middle-East and recently in Canada.

![Map Image]

- Headquarters
- Offices
- Fabrication facilities

<table>
<thead>
<tr>
<th>Turnover</th>
<th>30 years experience in modular construction</th>
<th>2,300 employees</th>
<th>Presence in Europe, Africa, the Middle East &amp; Canada.</th>
<th>Module construction yards &amp; prefabrication shops in Belgium, the UK, the Netherlands, Norway &amp; Canada.</th>
</tr>
</thead>
<tbody>
<tr>
<td>€400 million</td>
<td>years experience</td>
<td>employees</td>
<td>Presence in Europe,</td>
<td>Module construction</td>
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- Fabricom AS
  - Norway
    - Stavanger
    - Trondheim / Orkanger

- Fabricom Offshore Services Ltd
  - United Kingdom
    - Newcastle
    - Aberdeen
    - Teesside

- Fabricom Oil, Gas & Power Ltd
  - United Kingdom
    - Immingham
    - Brigg
    - Teesside
    - Deeside
    - Liverpool

- Cofely Fabricom sa/nv
  - Belgium
    - Grimbergen
    - Hoboken

- Fabricom BV
  - The Netherlands
    - Moerdijk
    - Strijp

- Fabricom Offshore Services BV
  - The Netherlands
    - Den Helder

- Cofely Fabricom
  - Algeria
    - Oran
    - Algiers

- Cofely Fabricom Lda
  - Mozambique
    - Maputo

- Cofely Fabricom Inc.
  - Canada
    - Calgary, Edmonton
Offering integrated solutions to our clients

As a premier solutions provider for the Oil & Gas industry, we provide services at every stage of a project from detailed engineering, purchasing and expedition activities to construction, testing and transportation, and finally, on-site, erection and hook-up works. The entire process is managed by our own computerized tool, developed in-house: the Fabricom Project Management System.

Core business activities

1. **Upstream Services in the Brownfields**
   - Offshore platforms Maintenance & Modifications
   - Long Term M&M contracts
   - EPCI contracts
   - Engineering & Project Management

2. **Major International Onshore Projects**
   - Oil & Gas Mid- & Downstream: shutdowns & new extension of plants in refinery, compressor stations gas pipelines, new LNG & Gas terminals, underground gas storage,
   - New Power Plant: gas & coal, nuclear, bio-plant, waste to energy,
   - (Petro)Chemical plants

3. **Modular Construction**
   - EPCI Construction
   - On-site installation

4. **Tank Farm**
   - Construction EPCI & Maintenance

5. **Induction Bending**

6. **Offshore Wind Farm**
   - OHVS modules construction & EPCI project management

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**Modular Construction**

Cofely Fabricom has more than 30 years of experience in modular fabrication and assembly for the on- and offshore industry and offers a full-service approach for all types of modular projects.

Our capacities and resources enable us to handle every type of module, from simple Skids to complex modules, providing full-service solutions for Oil, Gas & Power companies.

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Single elevation structures supporting process equipment transported by road or rail.

3-dimensional metallic frame that supports equipment on several levels, such as: piping, electrical, instrumentation, etc. The structure is fully connected and tested in the yard before shipment to the construction site.
Advantages of modular construction

Modular assembly provides a safe and cost-effective solution for challenging and often extreme operating conditions. Whether such conditions include time constraints, budget constraints, or logistical issues, the off-site preassembly of units minimizes operational disruptions and increases safety by reducing the number of people involved in on-site assembly. Assembly at one of Cofely Fabricom’s dedicated yards ensures that units are built under ideal conditions and to the highest quality standards.

True ‘plug & play’ solutions

Minimizing construction on-site by maximizing work in our construction yard

The current third generation modules we deliver for onshore plants feature as 95% of all steel and piping, 85% of the electrical, 95% of the total instrumentation works, with cabling, writing and testing operations carried out in the module yard. Only 10% of field hours are spent on-site (interconnection with the plant).

«We have all technical disciplines and competencies in-house in order to build in the most efficient and professional way, guaranteeing that our projects are executed safely, delivered on time, and within the foreseen budgets.»

Michel Hanson, President & General Manager of Cofely Fabricom Oil, Gas & Power

Our construction yards

Hoboken, near Antwerp: with direct access to the sea, the location features roll-on/roll-off capabilities for sea-ships or large barges.

Immingham: fully equipped and has direct access to Immingham docks through its own private bridge.

Alberta, Fort Saskatchewan: our newest yard, operational since November 2015, with direct access to the high load corridor.

Our clients

Conventional Power Energy

Offshore wind

Oil, Gas and Petrochemicals
Meeting oil sands trends

Our main customers involved in Oil & Gas prospecting have invested heavily in Canada, which has 10 to 20% of the world’s oil reserves and 50% of the reserves accessible to private investors. It is the world’s third largest oil reserves, representing an important potential in a country that is politically and economically stable.

With the growth of this activity in mind, Cofely Fabricom investigated the possibility of applying its expertise in Alberta, continuing its tradition of exporting its Belgian-based know-how and expertise in new markets.

Cofely Fabricom’s experience of building complex “Plug & Play” modules meets the demands of the oil sands business where harsh environmental conditions hamper on-site construction of treatment plants and require innovative solutions to reduce Total Installed Cost. That is why the company decided to establish its presence in Canada with the opening of a new office in Calgary and the building of a new modular assembly facility in Fort Saskatchewan.

As an important supplier of the upstream companies, Cofely Fabricom will provide solutions that bring real added value.

Modularization in Alberta

Our added value lies in our ability to build complex third generation modules based on the same proven methodologies and techniques that are used in our historical yard of Hoboken (port of Antwerp), in Belgium. These ‘plug and play’ modules, which comprise all of the electrical equipment and instrumentation, are pre-wired and pre-tested, and ready for connection on-site.

‘Alberta’ size modules: the modules built on the Canadian yard will fully respect the size and weight restrictions imposed on the transportation of large loads in Alberta: 7.3m x 7.3m by a length of 37m in terms of dimension, and 160mt and 120mt in terms of weight under winter or summer conditions respectively. Here again, location of the fabrication site being considered will ensure fast delivery while special assembly adaptations will take dimensional restrictions into account.
Reduced transportation costs

The construction of oil exploration and production facilities have indeed proven to be extremely challenging in Alberta. The oil sand deposits are located 4 or 5 hours north of Edmonton by road, in an area that has very limited road links and which experiences extreme weather conditions: temperatures are extremely low in winter and in summer the area is peppered with peat bogs.

Therefore it is very difficult and expensive to build complete facilities on-site, which is why modular construction presents an excellent alternative. However, since the modules have to be transported by road, it is key to have them assembled nearby.

Producing modules in a local yard and transporting them on-site, guarantees more flexible, quality and efficient results for our clients. Therefore Cofely Fabricom decided to install a subsidiary in Fort Saskatchewan, located along the road that leads to the exploration zones, it enables us to halve transportation costs in comparison with other companies, located further south.

Local modular production in Fort Saskatchewan

In September 2013, we set up our subsidiary and bought a plot of land 30 km north-east of the city of Edmonton, in Fort Saskatchewan to install a new Canadian assembly yard. Located adjacent to Highway 15, part of Alberta’s high load transportation corridor, enabling to easily supply the clients located in this region.

“We established our Canadian presence in 2013 and shared our approach to innovative fabrication of modules with leaders in the oil and gas industry. Today, our approach resonates with owners eager to leverage innovation in the quest for overall cost reduction. Our global reputation for building and delivering projects safely, on time and on budget is now following us to Canada, where we hope to make a real, long-term difference in the expanding local market.”

Michel Hanson,
President & General Manager of Cofely Fabricom Oil, Gas & Power

Our Canadian yard

> Purchase agreement January 2014
> Permitting & start of works June 2014
> Yard operational from November 2014
> Yard Area (Total): 35 acres (Phase I) – 60 acres (Phase II) = 242,811 m²
> Yard Area (Covered): 32,000 sq ft. = 3,520 m²
> Max. Module capacity (modules per year):
  - 150 super-size modules/year (Phase I)
  - 300 super-size modules (Phase II).
> Max. Modules standing (number of modules):
  - 54 and 108 after completion of Phase II
> Max. Piping prefabrication capacity & size:
  - Capacity 20,000 inches/month. Size: 56 inch diameter
> Max. Structure Steel prefabrication:
  - Via partnership: 42,000 ton/year
> Distance to the port: Vancouver Port, 1,300 km
First successes: over half of the yard already contracted

Officially in service since November 2014, Cofely Fabricom’s new Canadian yard signed its first order to assemble 80 modules for its Korean customer, SK Engineering.

The modules will be installed as part of the Fort Hills Project site in the Athabasca region. Fort Hills is a $13.5-billion mining extraction project owned by Suncor, Total and Tech Resources. The project will have a capacity of 180,000 barrels of heavy oil per day in 2018 and a lifetime of over 50 years.

Module assembly will begin in October 2015 and end in August 2016, taking up over half of the yard’s capacity during that period. In all, more than 2,447 tonnes of steel, 8.5 km of piping and 18 km of cables will be assembled by Cofely Fabricom’s Canadian team, representing over 130,000 hours of work.

Today 20 persons are staffed at Cofely Fabricom Canada, with this first contract up to 70 local jobs will be provided in a near future.

Sustainable business development

Our ergonomic modules production site will contribute to the development of our clients and the local economy as local companies supply us with all the necessary materials and we employ local skilled staff.

“We believe our expertise in modular construction will work as a vector to develop our local activities and to widen our panel of services in function of the market’s needs.”

Didier Lhuillier,
CEO of Cofely Fabricom Inc. (Canada)
Cofely Fabricom, Cofely Axima and Cofely Services (in Belgium and Luxembourg), Cofely (in the Netherlands) and their subsidiaries provide technical solutions for the infrastructure, buildings and industry sector as well as energy, Oil & Gas markets and airports. In fact, wherever their expertise can help improve energy performance, sustainability and quality of life.

Together, they make up the Benelux division of ENGIE Energy Services. Operating as separate entities, they are driving commercial and operational synergies to meet the needs and requirements of their clients as efficiently as possible in the area of multi-technical services, in the Benelux and abroad.

COFELY North-America’s activities started in 1992
> 1000 employees and 125 million of revenue (Canada and US)
> More than 25M sq. ft of buildings and more than 300 clients
> COFELY manages over $80M of energy per year, including $30M at risk
> Canadian head offices in Montreal and Calgary with regional offices in Toronto, Vancouver and Quebec, and Fort Saskatchewan
> US offices in Atlanta, Boston, Newark, Louisville, Birmingham, and Washington

GDF SUEZ becomes ENGIE

Cofely belongs to the BtoB Energy Services Business Line of ENGIE, worldwide global energy player.

Cofely Benelux

17,800 employees
€3,04Bn turnover

Cofely worldwide

100,000 employees
€15,7Bn turnover

About COFELY in general

A multidisciplinary organization with global reach

Cofely and its subsidiaries in North America
Our values
Drive
Commitment
Daring
Cohesion

Cofely Fabricom in Canada
www.cofelyfabricom-gdfsuez.ca

Cofely Fabricom
www.cofelyfabricom-gdfsuez.com

PRESS CONTACT

Cofely
Nathalie DANIS
Public Relations
COMMUNICATIONS
tel. +32 2 370 36 35
mob. +32 472 93 79 00
nathalie.danis@cofely-gdfsuez.com