



INDUSTRIAL CONSTRUCTION



2023

AECON



Bringing seamless solutions to our clients and partners through operational excellence and reliability.

Aecon is one of North America's largest publicly traded construction and infrastructure development companies, with the ability to self-perform across diverse business sectors.

Aecon Industrial leads the way in industrial construction with a proven track record of safely delivering a broad range of project solutions for our clients, from fabrication and modularization to new builds, turnarounds, and maintenance.



Energy Transition



Industrial Manufacturing



Power & Renewables



Oil & Gas



Water Treatment



Mining & Mineral Processing



Chemical & Petrochemical



SELF-PERFORM CONSTRUCTOR WITH DIVERSE CAPABILITIES

AECON

150 YEARS
OF EXPERIENCE

\$4B+
ANNUAL REVENUE
TSX:ARE

12,000+
EMPLOYEES

COMMITTED TO
SAFETY
EXCELLENCE

CORE COMPETENCIES

Aecon provides its clients with a vertically integrated solution, self-performing all disciplines of work.

- Site Preparation and Civil Works
- Piling and Foundations
- Building Construction and Building Systems
- Process Piping and Mechanical
- Tanks, Boilers and Pressure Vessels
- Painting and Coating
- Insulation and Fireproofing
- High, Medium and Low Voltage Electrical
- Instrumentation and Controls
- Structural Steel Erection
- Equipment Assembly and Installation
- Fabrication and Modularization

Certifications



FABRICATION & MODULARIZATION

Aecon's pipe fabrication and module erection capabilities are unmatched in North America.

Aecon's **modularized construction specialists** provide industry leading modular solutions to our partners and clients. The modularized construction approach reduces on-site labour hours, **reducing risk and providing predictability** to the project delivery program.

Aecon also provides local-to-site preassembly where we seek to **maximize the module size and completeness** prior to install in its final location. This allows other work fronts to continue uninterrupted.

2500+

MODULES
DELIVERED

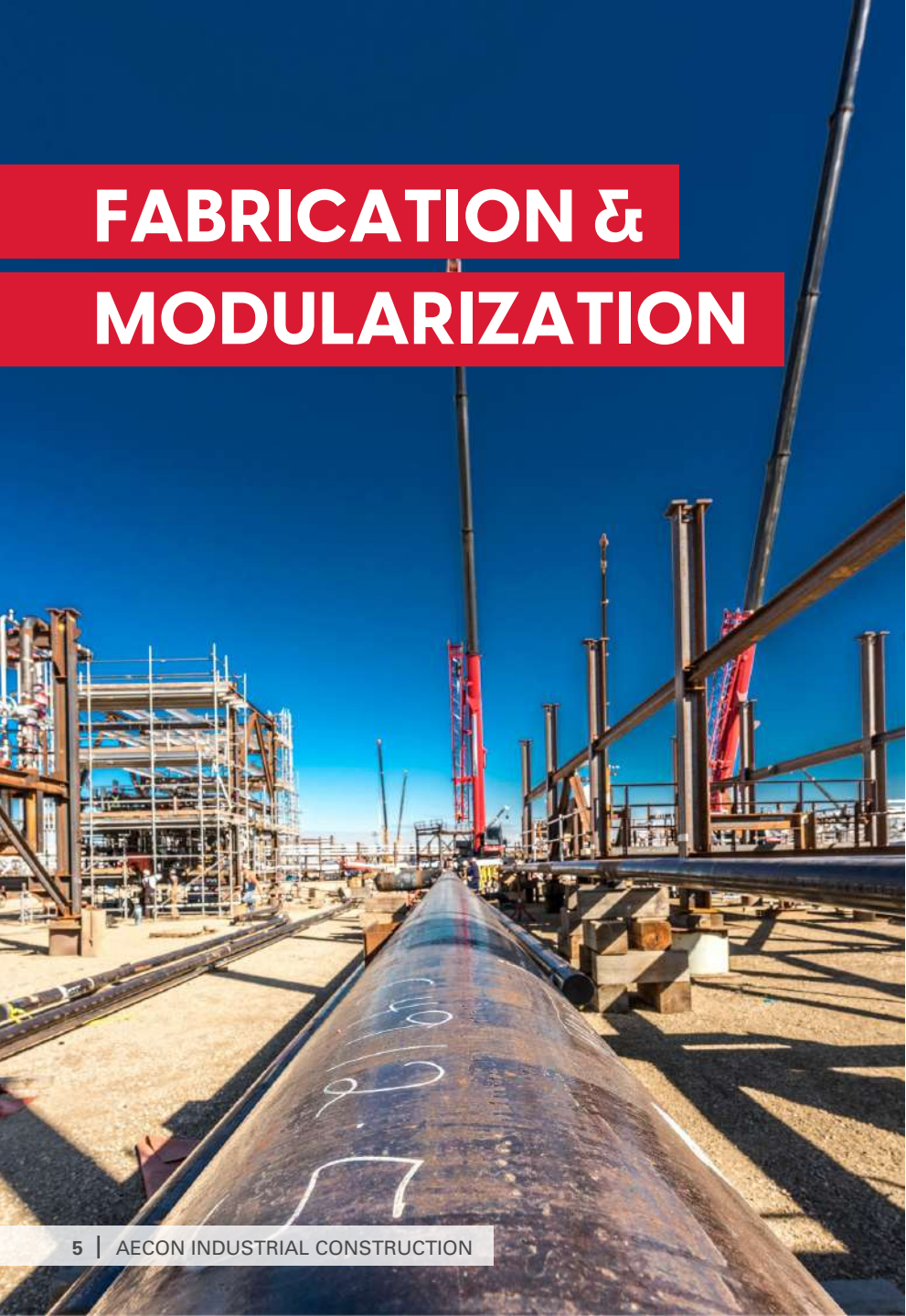
1 MILLION

WELD INCH
ANNUAL CAPACITY

70,000

PIPE SPOOLS
PRODUCED ANNUALLY





FABRICATION & MODULARIZATION

📍 Aecon Fabrication Sites



Aecon is focused on sustainable construction

**We embrace our responsibility
to contribute to a more prosperous
and sustainable future.**

Our approach to sustainable construction is two-fold:

- Across Aecon, we are focused on operationalizing sustainability through our equipment and materials.
- To support our clients, we offer a full suite of sustainability solutions related to climate change adaptation and mitigation, pathways to net-zero, and sustainable construction.

Aecon is the first construction company in North America to complete an enterprise-wide emissions inventory and set greenhouse gas (GHG) reduction targets:



**30%
by 2030**
REDUCED DIRECT
CO2 EMISSIONS



**Net-Zero
by 2050**
NET-ZERO DIRECT
CO2 EMISSIONS



AECON INDUSTRIAL PROJECT HIGHLIGHTS



NORTHWEST REDWATER STURGEON REFINERY, AB

A typical pipe module is a 30m prefabricated unit weighing about 40 tonnes – nothing compared to the 16 super modules Aecon assembled for this project. Weighing over 180 tonnes each and fabricated with four piperack modules stacked together, this groundbreaking project represents Aecon's largest module contract at \$339 million.



AIR PRODUCTS HYDROGEN PLANT, AB

Aecon constructed this natural gas to hydrogen reformer feeding a large oil refinery. Aecon self performed all disciplines of work on this facility including the installation of two large compressors, the reformer and all associated equipment. The project was valued at \$36 million.



TC ENERGY NAPANEE GENERATING STATION, ON

Aecon was brought in to complete \$317 million in MPEI works on a 900MW combined cycle facility. The station uses state-of-the-art generating, heat recovery and environmental controls technology which make it one of the most efficient and cleanest generating stations in Ontario. The Aecon team surpassed 2 million hours LTI free on this project, with a peak manpower of over 800.



ANNACIS ISLAND WASTEWATER TREATMENT PLANT, BC

As part of a Joint Venture, Aecon constructed the \$255 million Phase 1 facility expansion. This project was constructed in an operational plant where shutdowns and isolations were planned, approved and coordinated with plant operations with alternate procedures in place.



NOVA CHEMICALS AREA 100/200 MECHANICAL AND PIPING INSTALLATION PROJECT, ON

Aecon provided a vertically integrated solution inclusive of piling, civil work and all MPEI work for a polyethylene facility. The \$590 million lump sum project had 3,000 tons of steel to fabricate and install and over 170,000 feet of pipe spools to fabricate, test and install.



SUNCOR FIREBAG III CENTRAL PLANT FACILITY

Aecon was awarded a contract valued at \$400 million at the Suncor Firebag site to construct two 80 MW Cogens that produce steam and electrical power to support a large oilsands mine. The project was located at a remote fly-in and fly-out site, providing challenges easily overcome by the Aecon team.



LAKE OSWEGO WATER TREATMENT PLANT, OR

The City of Lake Oswego solicited bids to find a solution for their aging wastewater treatment plant. Aecon as the successful proponent is providing a \$180 million progressive design build solution with its partners.



CONTINUED

AECON INDUSTRIAL PROJECT HIGHLIGHTS



CONTINUED



K+S POTASH LEGACY MINE, SK

This mine will extract potash 1,500 meters below the surface using solution mining technology. Aecon's scope included a series of contracts valued at over \$1.2 billion involving site wide piling, concrete and MPEI works for early cavern development, well pads, load out area and the evaporation-clarification-crystallization plant.



ENDAKO MOLYBDENUM MINE, BC

Aecon was contracted to expand the mill's daily capacity from 28,000 tonnes to 55,000 tonnes. The scope of work valued at \$148 million included installation of process equipment along with the associated piping, electrical, instrumentation and interior structural steel for the ore storage, grinding, flotation, regrind and tailings systems for the new concentrator building.



TC ENERGY COMPRESSOR STATIONS

Aecon has constructed dozens of pipeline facilities for TC Energy across Canada including the Wilde Lake Compressor station which feeds LNG Canada's Kitimat liquefaction facility with a projected 2.1 billion cubic feet per day (bcf/d). Aecon self performed all disciplines of work from piling and earthworks and all MPEI work on this \$190 million project.



ENBRIDGE PIPELINE FACILITIES

Aecon has been an Alliance Partner to Enbridge for pipeline facilities construction across Canada since 2005 having constructed over 50 facilities projects from British Columbia to Ontario.



NORTHLAND POWER SOLAR PROJECTS, ON

Aecon performed as the EPC for nine 10 MW AC solar parks for Northland Power. Aecon self performed all disciplines of work associated with the construction of the \$155 million facility as well as the substations and utility interconnects.



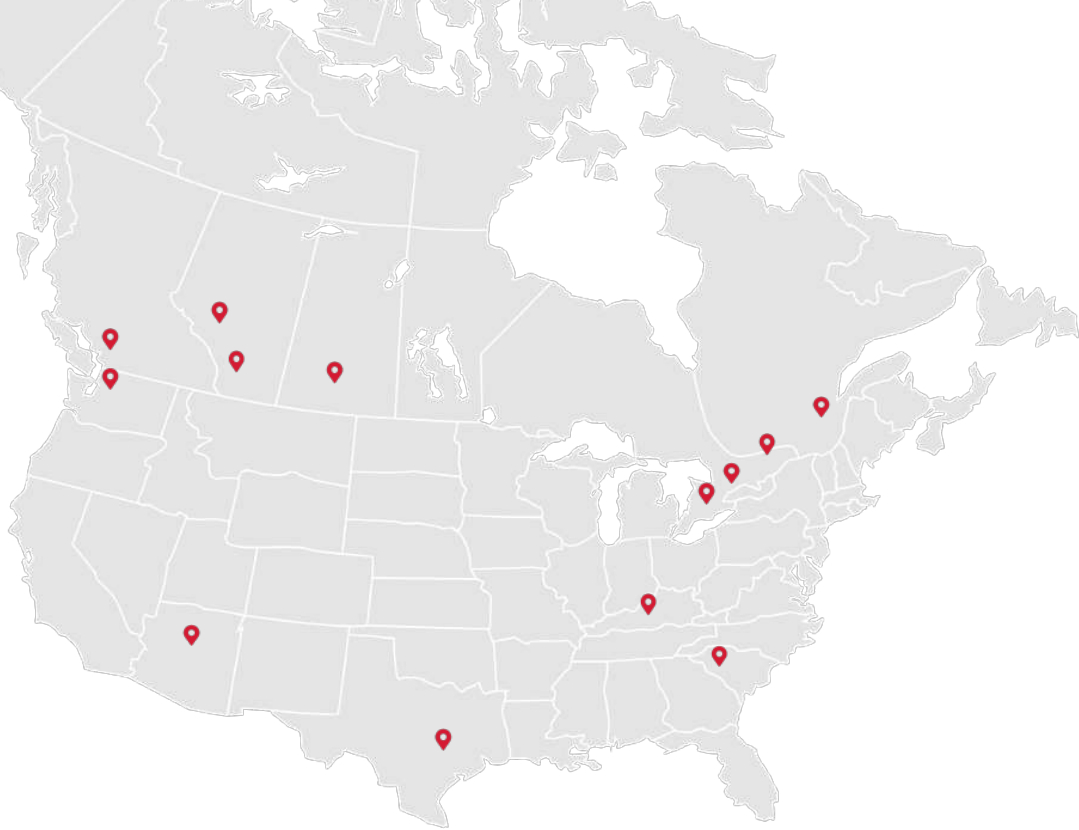
ONEIDA ENERGY STORAGE, ON

Aecon's role as a leader in sustainable infrastructure was further strengthened with the announcement that we will play a pivotal role delivering the first and largest utility scale battery energy storage project in Canada, and one of the largest of its kind in the world – a 250 megawatt/1,000 megawatt-hour energy storage facility near Nanticoke, Ontario.



SASKPOWER BOUNDARY DAM CARBON CAPTURE PROJECT, SK

In the fall of 2014, the SaskPower Boundary Dam Power Station near Estevan, became the first power station in the world to successfully use Carbon Capture and Storage (CCS) technology. Aecon was entrusted with the construction of this \$25 million first of its kind project.



OUR LOCATIONS

- Georgetown KY
- Houston TX
- Jackson SC
- Phoenix AZ
- Seattle WA
- Calgary AB
- Cambridge ON
- Edmonton AB
- Montreal QC
- Ottawa ON
- Saskatoon SK
- Toronto ON
- Vancouver BC



Ready to Learn More?

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 aecon.com/industrial

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