



SNC • LAVALIN

Building what matters



Wind Energy

We are a global engineering, procurement and construction provider with years of experience in providing tailored solutions to the wind industry. This expertise includes providing all aspects of engineering and construction throughout the life-cycle of a wind project. Our portfolio also includes projects throughout the world making SNC-Lavalin a dominant provider in the global wind industry.

End-to-End Wind Energy Solutions

Our team is able to support all aspects of your wind project from conception to energization. We are able to provide support from initial site selection and layout to being the EPC contractor. For EPC projects we are able to provide a full wrap, providing a single point-of-contact solution for your wind project. While SNC-Lavalin has the capability to complete a wind project from start to finish, we are also able to support discrete portions of a project.

Offshore Wind Capabilities

Our specialists have experience in the multi-discipline design of offshore wind farms. As an example, our offshore capabilities include market leading expertise in the full design of both fixed and floating Wind Turbine Foundation design as well as the full design of Offshore Substations. Our team's experience includes the design of monopiles, jackets, gravity base solutions, semi submersibles, spars and tension leg platforms.

We also offer tailored solutions for offshore wind projects including feasibility studies, owners' engineer support, geotechnical expertise, electrical grid interconnection and system studies, conceptual and detailed design, fabrication and installation support and structural integrity management.

Technical Capabilities

We can support all aspects of a wind project, with the capabilities of a full-service EPC provider. Our services include:

- › Site Selection/Feasibility Analysis
- › Geotechnical analysis
- › Micrositing
- › Turbine and Equipment Selection
- › Conceptual and detailed design
- › Interconnection
- › Turbine Erection
- › Access Roads
- › Underground or Overhead Collection System
- › Generation Tie-Line
- › Substation
- › Turbine Foundation
- › Structural integrity management

Project Development

Utilizing our extensive experience, we are a strong partner to wind developers. Our team is able to support developers on their initial assessment or site selection for a potential wind project. We can provide the required technical expertise or supplement a developer's existing capabilities with discrete services in developing a wind site prior to construction. By being an EPC contractor, we bring expertise to the development stage of a wind project. We also regularly work with developers and others while evaluating or acquiring a wind project in performing a due diligence analysis prior to buying or investing in a project.

Capital and Finance Expertise

We have arranged over \$11 billion in project financing in the past decade. Our services include financing and funding models to ensure the success of projects. Our disciplined approach to investing in, managing and monetizing projects ensures we have a strong balance sheet to see projects to completion. Our team also has regional and local knowledge of tax credits and incentives, market structure for utility and corporate Power Purchase Agreements and incentives for Renewable Portfolio Standards.

The SNC Lavalin Difference

As an EPC contractor, we have significant engineering capabilities and a dedicated capital group. Our power group employs approximately 1,200 engineers and professional staff dedicated exclusively to our power business. In addition to this technical capability, we are able to deploy capital for development funding and sponsor equity. Combining all of these offerings allows us to differentiate ourselves from other providers in the wind industry, making us a preferred solution provider.

Renewable Energy Center of Excellence

Our Renewable Energy Center of Excellence brings together some of the brightest minds and experience in the wind industry. Our team has years of experience in the design, construction and financing of wind projects around the world. The team has the expertise and knowledge to provide global leadership, practical and best-in-class turnkey wind solutions.

Key projects

Our team has experience working on complex turnkey projects, including EPC wind projects with a capacity exceeding 2,000 MW.

Dudgeon Offshore Windfarm



Client: Statoil, Statkraft, Masdar

Year of completion: 2016

Description: Full multi discipline design of 67 monopiles for the 402MW Dudgeon Offshore Wind Farm 32km off the coast of Norfolk, UK.

South Kent Wind Project – Chatham-Kent, Canada



Client: Samsung Renewable Energy Inc.

Year of Completion: 2014

Description: Owner's Engineer and construction management of a 270-MW wind farm consisting of 124 turbines located in the Chatham-Kent region of Ontario.

Grand Renewable Wind Project – Haldimand County, Canada



Client: Samsung Renewable Energy Inc.

Year of Completion: 2014

Description: Owner's Engineer and construction management of a 150-MW wind farm consisting of 67 wind turbines located in the Haldimand County region of Ontario.

Gosfield Wind Farm – Kingsville, Canada



Client: Brookfield Renewable Power

Year of completion: 2010

Description: Owner's Engineer of a 50-MW wind farm located in Kingsville, Ontario.



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