



## South Kent Wind | Chatham-Kent, Ontario

SAMSUNG

SAMSUNG RENEWABLE ENERGY INC.

 Pattern

# Harvesting the Wind for Ontario

## South Kent Wind Annual Benefits

**100,000**



Generates enough clean energy to power 100,000 Ontario homes.

**7,000,000**



Injects more than \$7M of direct spending into the local economy.

**165,000**



Avoids 842,000 tonnes of CO<sub>2</sub>, equal to taking 165,000 cars off the roads.

**24,000**



Conserves enough water to meet the needs of nearly 24,000 Ontarians.

↳ When compared to coal-fired generation. ←

The Samsung and Pattern Energy Joint Venture combined a number of smaller wind projects under development in Chatham-Kent into the 270 MW South Kent Wind project in 2010. South Kent Wind was thoughtfully designed and planned, incorporating input from the community and participating landowners. The Ministry of the Environment granted the project its Renewable Energy Approval in 2012 and construction commenced in 2013. South Kent Wind reached commercial operations in March 2014.

During the year-long construction period, the project injected tens of millions of dollars into the economy while utilizing local materials and creating hundreds of local jobs. RES Canada managed construction with an average of 300 workers on-site and more than 500 workers during peak construction periods. Ontario workers comprised 99% of the workforce and were involved in every aspect of construction – from building access roads and turbine foundations to assembling and installing turbine components.

Samsung and Pattern Energy are committed to expanding benefits from the facility throughout the Chatham-Kent region. The South Kent Wind (SKW) Community Fund was established to help build strong and vibrant communities in Chatham-Kent. The SKW Community Fund supports community, environmental, health and wellness, youth and education, and First Nation and Métis initiatives through a grant process administered by the Chatham Kent Community Foundation. Every year - in perpetuity - an estimated one-quarter of a million dollars is expected to be available for grant distribution among the five areas of giving.

In 2013, South Kent Wind also committed \$2.5 million for safety and user accessibility improvements to the Chatham-Kent airport.



Chatham-Kent Airport

# Ontario-Made Wind Turbines

## Overview

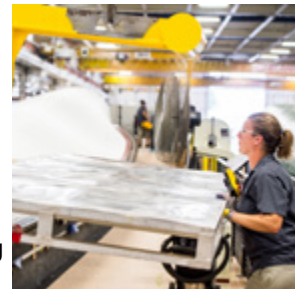
Commercial Operation	March 2014
Power Purchaser	IESO
Number of Turbines	124
Project Capacity	270 MW
Turbine Model	SWT-2.3-101
Rotor Speed	6 - 16 RPM
Hub Height	99.5 m
Blade Length	49 m
Rotor Diameter	101 m
Tower Base Diameter	4.5 m

## Manufacturing

Siemens and CS Wind invested \$100 million in Ontario, creating approximately 600 manufacturing-sector jobs to meet the demand from South Kent Wind and other Samsung-Pattern Energy wind projects.

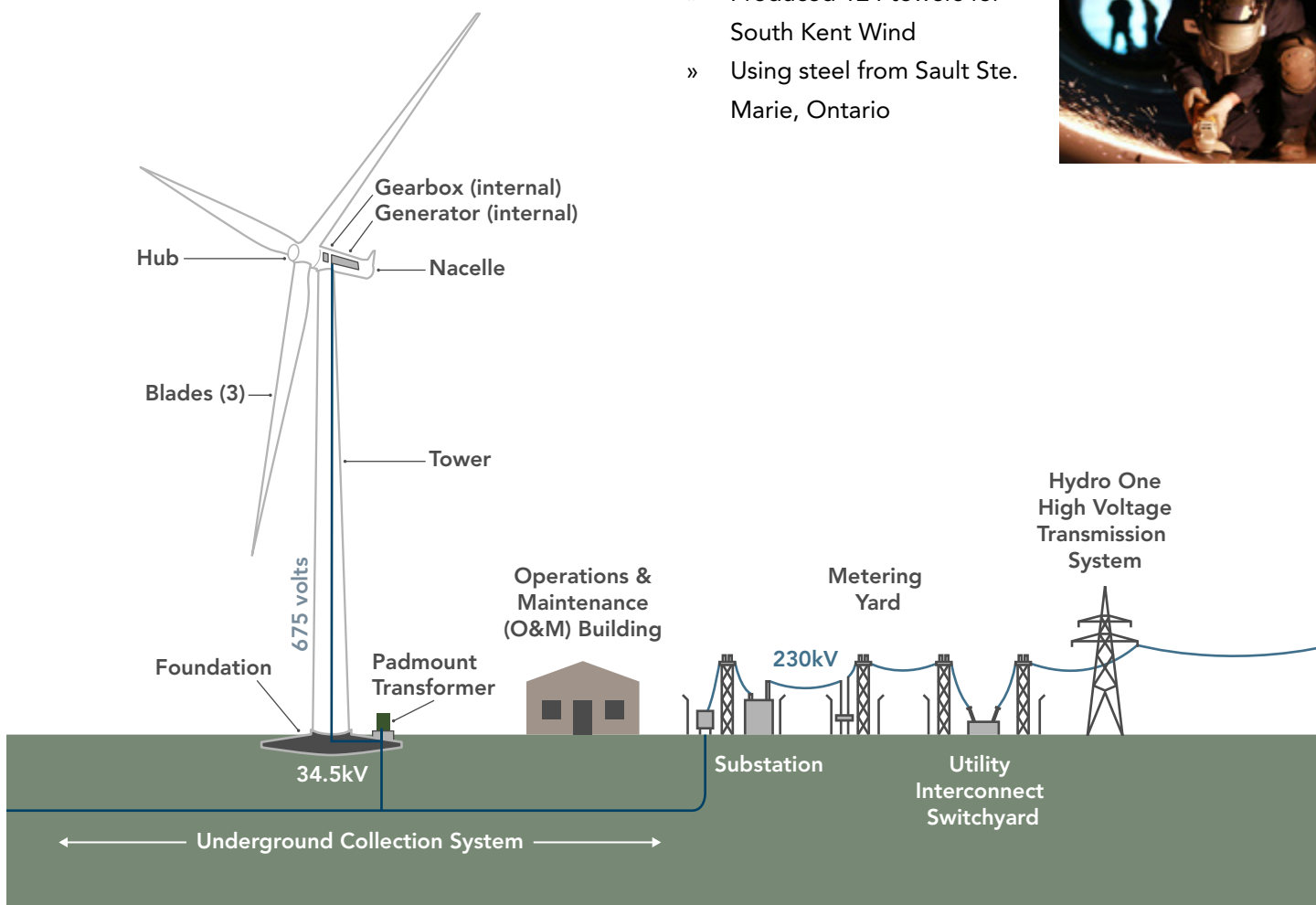
### Siemens, Tillsonburg

- » 23,505 square metre facility
- » Produced 372 blades for South Kent Wind
- » Siemens' first Canadian turbine manufacturing plant
- » The first blade manufacturing facility in Ontario



### CS Wind, Windsor

- » Established in 2011
- » Produced 124 towers for South Kent Wind
- » Using steel from Sault Ste. Marie, Ontario



# Harnessing the Wind

## Wind Energy...

- » Supports Ontario in meeting clean energy goals
- » Provides an inexhaustible, clean resource
- » Helped eliminate Ontario's coal-fired generation
- » Diversifies homegrown energy sources
- » Stimulates the local and regional economy
- » Strengthens the local tax base
- » Results in stable long-term production costs

Wind can be harnessed to transform kinetic energy into electrical energy. Wind turbines do this with blades mounted on towers, which are turned by the wind, causing them to turn a shaft that is attached to a generator. This creates an electrical current that is carried by cables to the power grid, which transmits electricity to the electric grid that connects to your home.

## Samsung

Founded in 1938, Samsung C&T is involved in a broad and growing portfolio of businesses, delivering creative, integrated solutions to customers worldwide through a network of over 100 offices in 44 countries.

Samsung C&T, together with our partners, is making an unprecedented \$5 billion private-sector investment in Ontario to create clean, renewable energy for generations to come. Samsung signed a Commercial Agreement with the Government of Ontario that will result in 1,369 MW of installed renewable energy capacity in Ontario.

Our investments are establishing four new manufacturing facilities to produce renewable energy components for Ontario and for export to markets around the world, along with 900 direct manufacturing jobs and 9,000 high-skilled jobs in Ontario.

Working together with the Province of Ontario, Samsung looks forward to a long-term partnership to place Ontario at the forefront of the global shift to clean energy.

## Pattern Energy

Pattern Energy Group Inc. (Pattern Energy) is an independent power company listed on the NASDAQ ("PEGI") and Toronto Stock Exchange ("PEG").

We plan to grow our business through third-party acquisitions, including from Pattern Energy Group LP (Pattern Development), our shareholder and a leading developer of renewable energy assets.

We have a portfolio of renewable energy facilities in Canada, the United States, Puerto Rico, and Chile that use proven, best-in-class technology. Our headquarters are in San Francisco, California and we manage our fleet through our Operations Control Center in Houston, Texas.

Pattern Energy intends to create long-term value for its stakeholders in an environmentally responsible manner and with respect for the communities where we operate. We have a strong commitment to promoting environmental stewardship, which drives our dedication to operate high quality renewable energy facilities. For more information, visit [www.patternenergy.com](http://www.patternenergy.com).