



Danish Small Wind Delegation to Canada



DTU Wind Energy
Department of Wind Energy



Come visit us at Canwea October 6, 7 2015
Metro Toronto Convention Centre - South Building
Booth 328 – at the 'Innovation Zone'



DTU Wind Energy (Risø Campus)

Research, Certification, innovation small and large wind turbines

About us:

DTU Wind Energy is a leading research centre, with +35 years track record of pioneering the development of the wind energy industry. Today DTU comprises 8 departments with more than 230 staff members and nearly 50 PhD students.

On behalf of the Danish Energy Agency, DTU Wind Energy administrates the Danish Energy Agency's Executive Order on The Technical Certification Scheme for wind turbines.

DTU Wind is also an approved body for certification of small wind turbines (< 200 m²), in compliance with IEC 61400-2 standard and the Danish regulation.

DTU Wind cooperates with industry through customer-driven activities, research and training. We partner with leading Danish small wind turbine, blade and component manufactures ensuring:

- Optimal design, reliability and proven quality
- Facilitate creation of new markets
- Optimal siting of small wind turbines – myWindTurbine.com

Contact Details:

Name: Peggy Friis

Position: Senior Advisor

Email: pegf@dtu.dk

Phone: +45 2132 8198

Website DTU: www.vindenergi.dtu.dk

Website Certification: www.wt-certification.dk





Olsen Wings

Blades manufacturer (6-300kW)

Olsen Wings is a leading manufacturer of blades, known for our technical expertise and customized support. We have developed and manufactured blades for more than 10 years and more than 700 wind turbines are running with Olsen Wing blades. Our blades are exported across Europe and North America.

Olsen Wings works closely with wind turbine manufacturers to find the correct match between Rotor and Wind Turbine. We also develop blades in close cooperation with Danish Technical University (DTU) using world-class expertise in optimizing construction and performance.

Product range:

OLW 340 (6KW) OLW346(10KW) OLW 490(15-20KW) OLW620(25-30KW)
OLW750 (50-60KW), OLW965 (60-100KW) OLW1430 (250-300KW)

Markets: Denmark, Italy, UK, Germany, Sweden, France, North America

References: Ergowind (IT), Thy Moellen, HS Wind, Zenia (Denmark), Harbon Wind Turbines (UK), EC Wind (Sweden), Lely Aircon (Germany), Eocycle (Canada)

Looking for in Canada:

Turbine Manufacturers interested in Olsen Wings blade design
Service-End Providers (refurbishment) of Small Wind Turbines to become a local partners in Canada

Contact Details:

Name: Karl Kristian Bro

Position: Chairman,

Email: info@olsenwings.dk

Phone: +45 86550576 mob +45 22115181

Website: www.olsenwings.dk



Solid Wind Power A/S

20kW, 25kW and 60kW Wind Turbines

Solid Wind Power manufactures 20kW, 25kW and 60kW (Developing) small wind turbines. Wind Turbines are built using of-the-shelf components only from Danish, German or Swedish suppliers.

In-house engineering team with many years of experience working with large Wind Turbines.

A leader in small wind due to:

- Well documented, top quality and reliability products - proven with 5 years of warranty.
- Top efficiency, **measured and certified**, 154 and 199 (on-going accreditation) square meters rotors.
- One of the best price per kW generated ratio in Small Wind Turbines Worldwide market.
- Easy installation (1 day) and Low Operating/Maintenance costs.
- **Certified** acoustics measurements proved that SWP-25kW is the most silent wind turbine in Danish market.
- SWP-25 is MCS accredited and approved to IEC 61400-2 Standard.
- Up to 114, 900 kWh per year (SWP-25kW with 154 square meters rotor).

Looking for in Canada:

Distributors/Sales partners for SWP-25kW wind turbine.

Companies able to provide installation and maintenance services to the end customer.

We are always interested to speak with developers of Small Wind Turbines farms.

Contact Details:

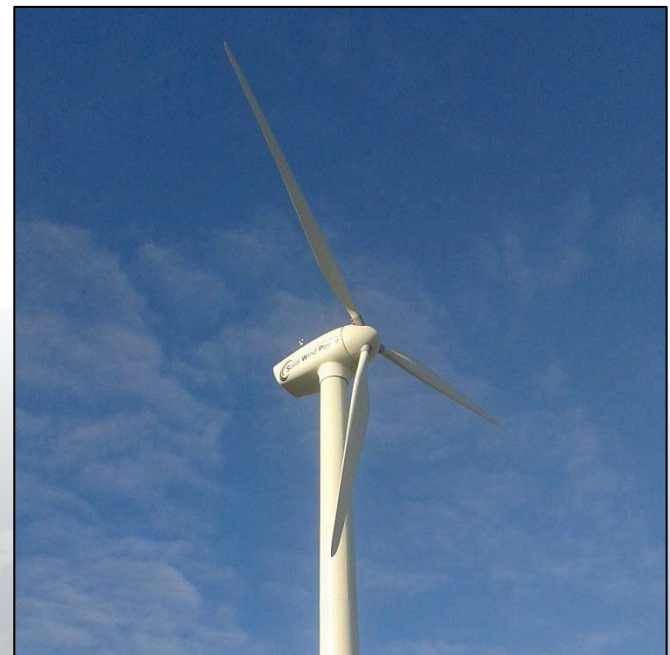
Name: Julius Vilovas

Position: Sales

Email: Julius@solidwindpower.com

Phone: +45 28 10 51 01

Website: www.solidwindpower.com





HSWind ApS

Viking 25kW small wind turbine generator

HSWind's Viking 25kW small wind turbine is assembled and manufactured in Denmark. The turbine is constructed of nothing but top quality products – most of which are manufactured in Denmark, while the rest are from the EU. This ensures the highest possible quality of the components.

- Viking 25kW is the first Type approved 25kW small wind turbine on the Danish market
- Approved in accordance with the international IEC 61400-2 standard.
- Delivered with a 5 year warranty on all components.
- Availability above 97%

Service and maintenance

- Maintenance of a Viking 25kW is simple, and the turbine requires servicing once a year in accordance with current legislation. The turbine is lowered and erected using an electric winch, to ensure low-cost servicing.

Looking for in Canada:

HSWind is looking for partners/join ventures in Canada to manufacture parts of the turbine and promote sales of the Viking small wind turbine generator in the North American market.

Contact Details:

Name: Ulrich Høgenhaven
 Position: CEO
 Email: ulrich@hswind.dk
 Phone: +45 4333 5692
 Website: www.hswind.dk





THY Windpower Aps

6kw and 10kw small wind turbine manufacturer

THY Windpower have been producing small windturbines since 1983 and one from 1985 is still in operation.

THY Windpower is market leader in Denmark with more than 300 windturbines installed since 2011.

THY Windpower is only using high quality danish and EU manufactured parts for their windturbines and it is the most silent windturbine on the market with a noiselevel on only 84,1 dbA at 8 m/sec windspeed.
= 44 dbA on less than 30 meters from the foundation.

THY Windpower is certified by DV, certificat no. SO-DV-13010

Looking for in Canada:

Sales Partner/Agent/Distributor

Installation and maintanance company

Tower manufactorers

Contact Details:

Leif Pinholt

CEO

lp@thym.dk

+45 71990600

www.thymoellen.dk:



Ecology Management ApS

Wind Industry Consultancy

For more than 20 years Ecology Management has served the wind industry on a world wide scale.

We provide the industry:

Wind Resource Assessments (Certified WASP user)

Project Management

Banks Engineer

Retrofit Management

Training and Workshops

Small Wind Turbine Engineering

Certification advisor IEC 61400 series

Wind Diesel Systems Engineering

We have worked in: Argentina, Australia, Brazil, China, Costa Rica, Denmark, Egypt, Fiji, Finland, France, Germany, Greece, India, Japan, Mexico, Norway, Sweden, Poland, Romania, Ireland, Italy, Samoa, South Africa, Spain, The Netherlands, Tuvalu, Ukraine, United Kingdom, USA

Contact Details:

Name: Svend Enevoldsen

Position: CEO

Email: svend@ecology.dk

Phone: +45 4025 1445

Website: www.ecology.dk



EMD International A/S

EMD International A/S is a software and knowledge centre supplying companies and institutions worldwide with software, consultancy services, training and know-how within the fields of project design, planning, documentation and operation of environmentally friendly energy projects.

EMD's design and planning software is used worldwide and approved by investors, banks and local authorities as serious, independent and knowledge-based assessment and analysis tools. This is leading windPRO to a position as the world's most used software package within its field.

As wind consultants, EMD has extensive worldwide experience, and our consultancy team is internationally recognised for its independent expertise within wind energy.

We participate in various ongoing research and development activities within the renewable energy sector. myWindTurbine is an example of cooperation activity, targeted to develop an intuitive and affordable assessment tool for small and medium wind turbines.

Contact Details:

Name: Madalina Jogararu
Position: Wind Energy Consultant
Email: mj@emd.dk
Phone: +45 9635 4468
Website: <http://www.mywindturbine.com/>
<http://www.emd.dk/>

