

THE COMPANY

Seaforth Engineering Group Inc. is a 100% Nova Scotian owned and operated multi-disciplinary engineering services company, incorporated in 1994.

Atlantic Orient Canada Inc, a subsidiary of Seaforth, has been manufacturing and installing the AOC 15/50 worldwide since 1995.

The AOC 15/50 is manufactured in Nova Scotia, and Quebec with blades made in Scotland.

THE WIND TURBINE

The AOC 15/50 wind turbine is the evolution of the rugged and reliable Enertech E44, hundreds of which were installed in the 1980's and are still running today. Independent analysis and testing at the National Renewable Energy Lab (NREL), the Netherlands Energy Research Foundation (ECN), RISO Laboratory in Denmark, the Atlantic Wind Test Site (AWTS) on Prince Edward Island and other sites around the world verifies our wind turbine generators high availability in even the harshest weather conditions.

One of the most important safety criteria in the design of the AOC 15/50 is the ability to safely control the wind turbine in normal and extreme conditions. This has led to the development of redundant failsafe control mechanisms. The ultimate goal above and beyond low cost and high reliability is the protection and safe operation of the wind turbine in all specified conditions.

To request more information about a wind system contact:

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FEATURES OF THE AOC 15/50

Absolute simplicity with minimal maintenance requirements.

PLC based control system

Four independent braking systems: Tip brakes, dynamic brake, parking brake and stall regulated blades

Downwind passive yaw configuration

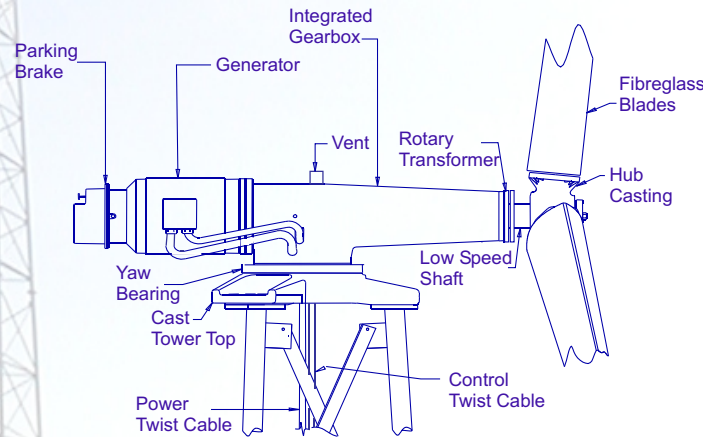
Glass-fibre high efficiency blades

Machining and assembly of drivetrain ISO 9001 certified.

Produces 3phase, 480VAC power

SPECIFICATIONS

Hub Height -	25m
Rotor Diameter -	15m
Cut In Wind Speed -	4.6m/s (10.2 mph)
Shut Down (high wind)-	22.4m/s (50 mph)
Peak (survival) -	59.5m/s (133mph)



Atlantic Orient Canada Inc has been a member of CanWEA for over 9 years.

