

Entegrity Wind Systems Inc.

Formerly Atlantic Orient Corporation (AOC)
Charlottetown PEI Canada

Malcolm A. Lodge, P., Eng.
President

Wind-Diesel Workshop 2004

Alyeska Resort, AK

Technology Report

September 29, 2004



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Entegritiy Wind Systems Inc.

Charlottetown PEI Canada

- Manufacturer eW-15 Wind Turbine
- Small Wind Systems Design
- Project Development
- Wind-Diesel Hybrid Systems Design

Recent History of Entegriy Wid Systems Inc. (EWSI) Formerly Atlantic Orient Corporation

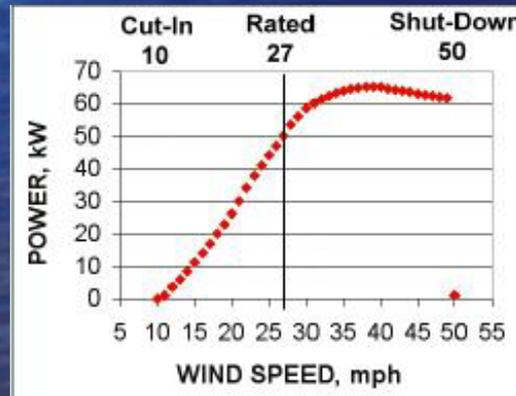
A Brief Summary

- August 2002:
 - AOC has new ownership
 - New board appointed
- September 2002:
 - AOC files Chapter 11 Bankruptcy
- October 2002:
 - Ch. 11 filing approved
- November 2002:
 - Plan of re-organization filed
- January 2003:
 - Organization plan receives acceptance
- April 2003:
 - Creditor plan approved
- May 2003:
 - Reorganization plan confirmed
- July 2003:
 - AOC moves to Charlottetown, PEI
 - AOC back in business and making sales
 - New projects commenced
- September 2004:
 - Name changed to Entegriy Wind Systems Inc. (EWSI)

Entegriy Wind Systems Inc.

The eW-15 Wind Turbine

- Diameter: 15 m
- Rated Power: 60 kW nom (66kW max)
- Tower Height: 25 m standard (60, 100, 120 available)
- Configuration: Three blades, down wind, free yaw
- Drive train: 2 Stage planetary gearbox
- Generator: 1800 rpm induction generator
- Braking:
 - Aerodynamic tip brakes
 - Electric dynamic brake
 - parking brake



eW-15 Wind Turbine Applications:



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- Wind-Diesel Systems
- Distributed Generation
- Remote Communities
- Municipal Electricity
- Behind the Meter
- Research, Education
- Demonstrations

eW-15 Features:

- 50/60 Hz Rated (55/60 kW)
- Lattice tower with tubular legs
- Easily assembled and erected
- Tower weights: 3,210 kg (7,080 lb)
- Rotor weight: 2,000 kg (5,300 lb)
- Rotor weight: 500 kg (1,100 lb)



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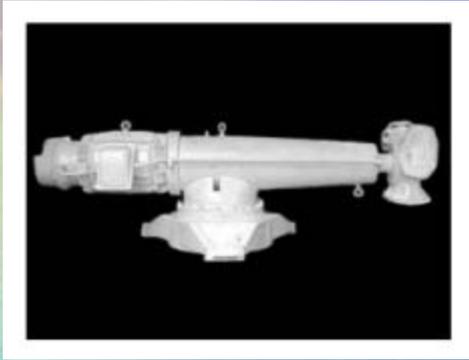
eW-15 Planned Design Revisions and Improvements

- Tip brake revisions: To reduce cost and improve reliability. ✓
- Rotor Hub Slip Rings To reduce cost and enable tip brake monitoring ✓
- Guyed Tower To reduce foundation costs at specific sites
- Insulated Gearbox Cover To improve cold weather performance and reduce noise
- Controller Repackaging To reduce cost and ease installation and O&M
- Controller Revisions To improve wind-diesel application and reduce cost
- Blade Heating System To improve performance in icing areas.
- Yaw Slew Rate Control To improve performance at turbulent sites
- VFD/Single Phase To expand market to farm and rural regions
- Braking Systems Changes To eliminate dynamic brake and reduce brake load
- DC Injection Coasting To improve cold climate operation
- Corrosion Protection To improve life expectancy and reduce maintenance
- Service Improvements To facilitate field service and maintenance.

eW-15 Planned Design Revisions and Improvements



eW-15 Planned Design Revisions and Improvements



eW-15 Planned Design Revisions and Improvements



EWSI Marketing

- Marketing partnership with South West WindPower
- Forging strategic alliances, NRCan, NREL, Utilities,
- Obtaining new partners, distributors and agents
- Working with developers
- Expanding products and services
- Reducing net cost and improving performance

The Future?

- Looks Very Good



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