

# **Lolland - Renewable Energy and Environment**

***Canadian Brownfields 2008***

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***Baltic Sea Solutions***

# Baltic Sea Solutions History

- Established in 2004 as a regional development Agency.
- Funding from European Union, Danish Government and Regional Government.
- To promote sustainable development, economic growth and the international competitiveness of the Baltic Sea Region's Peripheral Regions.

# Baltic Sea Solutions Today

- Non-Profit Organization
- Specializing in sustainable economic regeneration of peripheral and island regions.
- Areas of expertise:
  - Regional Development policy and strategy.
  - Sustainable tourism, agriculture, and industrial development.
  - Renewable energy project development and research.

# Geography and Demographics



- 1243 sq. km.
- 70,000 inhabitants
- Distance to Copenhagen 130 km

# Historic Economic Infrastructure

- Agriculture
- Industry
  - Sugar
  - Grain
  - Heavy manufacturing/shipbuilding
- Services
  - Retail
  - Government

# 1987

- Nakskov Shipyard shuts down
- 2000 jobs lost
- Unemployment rates in Nakskov and western part of Lolland rises to more than 25%
- 10% population decline
- Lolland becomes one of the poorest regions in Denmark

# 1998

- New mayor elected breaking 75 years of social democratic rule
- New city council decides to purchase old ship yard
- New focus on environmental industries
- Massive Clean-up and renovation occurs

# 1999

- Vestas Blades chooses Nakskov for its new blade manufacturing plant
- 500 new jobs
- The Municipality begins aggressive business development with focus on attracting environmental Industries
- Business Development Office set up in 2001

# Nakskov Shipyard



**1998**

**1999**



# Nakskov Ship Yard Today

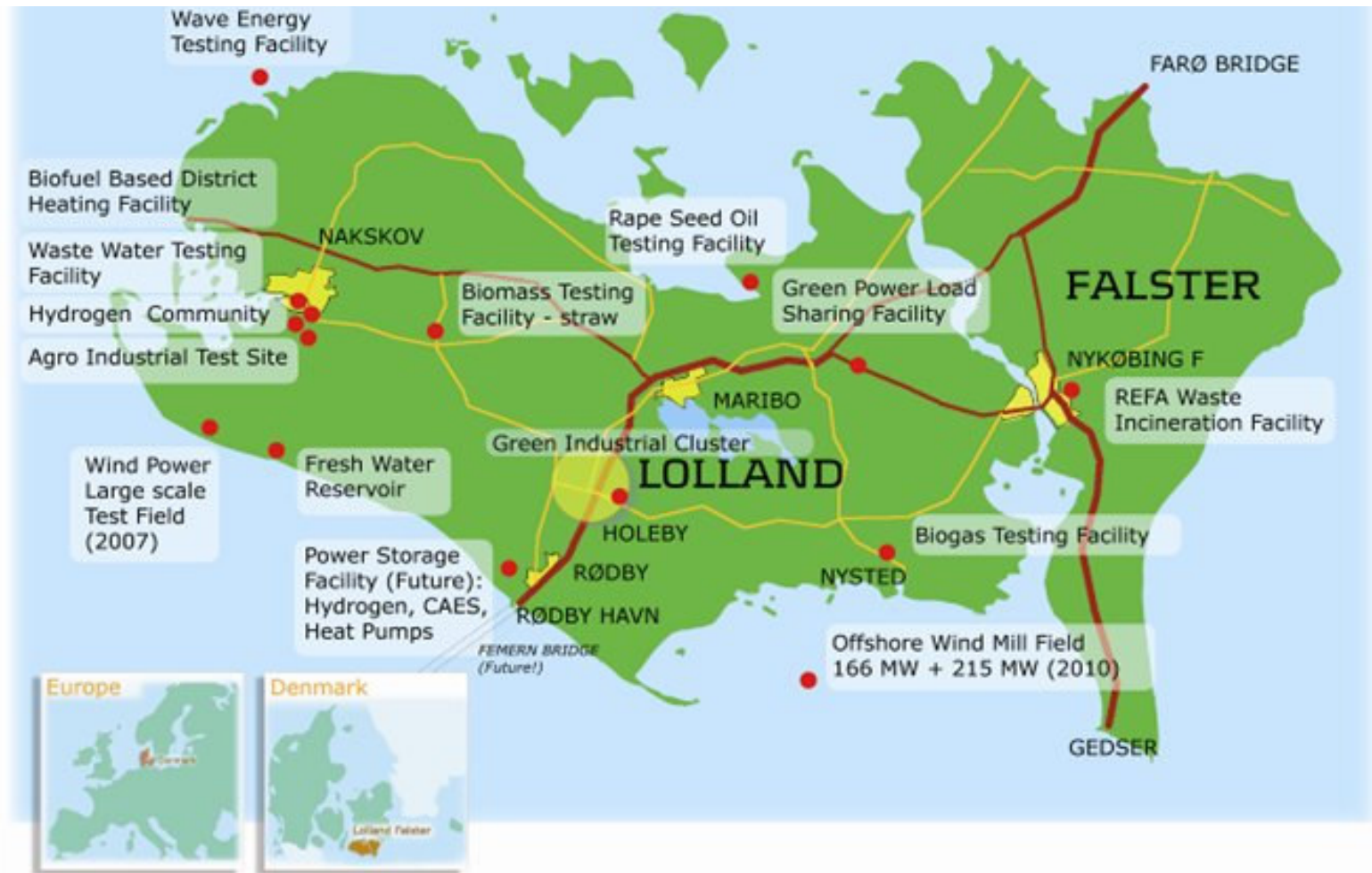


- **Vestas Blade Factory**
- **Rewair**
- **Skagens Sandblæsning**
- **DLF Trifolium**
- **Remming & Co**
- **Water Treatment Plant**
- **Recycling Park**
- **Biomass District Heating Plant**
- **Vestas turbine test site**

# Current Economic Development Efforts

- Focus on Renewable Energy Business Development
  - Hydrogen Community
  - Algae (onshore/offshore)
  - Biomass Platform
  - International Wind Academy
  - Solar PV
  - Grey Water Treatment
  - Wave Energy

# Lolland CTF



# Today

- Unemployment only 3% - 1000 jobs directly related to environmental industries/services
- Proactive local government with venture capital
- Research projects involving world class research institutions
- International attention
- Hope!

# Links

- [www.lolland.dk](http://www.lolland.dk)
- [www.lolland-ctf.dk](http://www.lolland-ctf.dk)
- [www.hydrogen-community.dk](http://www.hydrogen-community.dk)
- [www.wind-sea-algae.org](http://www.wind-sea-algae.org)
- [www.localrenewables.info](http://www.localrenewables.info)

**Thank You**

**Anders Riel Muller**

**[www.bass.dk](http://www.bass.dk)**