



Solarpark Ameland

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Content of the presentation

- The island Ameland
- Ambitions sustainable island
- Sustainable projects
- Solarpark Ameland
- Questions



The island of Ameland



- 3.500 inhabitants
- 1.500 households
- 4 villages
- 58,53 square kilometer
- 600.000 tourists
- 2.000.000 overnight stays



Sustainable islands

The start in 2007:

- Five islands with the same ambition:
Selfsupporting in energy en water by the year 2020
- Inspirational visit to Samsø
- Covenant Sustainable Ameland



Some sustainable projects

- Hydrogen project
- “Green light” (beach transition, port)
- Energie-neutral school (wood chip-fire stove, PV, grey-water, schoolvision)
- HRE-project
- Natural gas filling station
- “Slimme Stroom Ameland” (film)
- Solarpark (next sheets)



Solarpark at the Airport Ballum





Statistics

- 6 MWp means the solarpark will be the biggest in the Netherlands so far (10 ha)
- Production capacity: 5,8 GWh/jaar;
- Can serve 1.700 households.

Financial

- Quick return on investment (benefits all citizens of Ameland);
- Inhabitants can become stakeholders by purchasing bonds.


Corporate social responsibility

- Setting an sustainable example
- 20% renewable of total energy consumption;
- Education and information.

Partners

- AEC (Amelander Energie Cooperatie)
- Eneco;




Financial facts


| Capex items | % |
|----------------------|---------------------|
| Building solarpark | 83% |
| Mainsconnection | 10% |
| Developmentcosts | 4% |
| Civil work | 2% |
| Building permit fees | 1% |
| Totaal | 7-7½ mln.EUR |


| Funding items | % |
|----------------------|-------------|
| Waddenfonds | 36% |
| Provincie Friesland | 5% |
| Shareholders 'equity | 14% |
| Bankfinance | 45% |
| Totaal | 100% |



Process so far

| | |
|---|--|
| <ul style="list-style-type: none"> ▪ August 2012 ▪ November 2012 ▪ December 2012 ▪ December 2013 ▪ Januari 2014 ▪ April 2014 ▪ September 2014 ▪ December 2014 ▪ 3 March 2015 | <p>The idea exists to realise a solarpark on Ameland City Council stated the intent for the solarpark We submit the grant application “Waddenfonds” Grant award “Waddenfonds” Start procedures (environmental permits etc.) Credit approval City Council Rounding environmental procedures SDE+ grant awarded Startup “Solarpark Ameland BV”</p> |
|---|--|







Milestones

| | |
|---|---|
| <ul style="list-style-type: none"> ▪ March 2015 ▪ March 2015 ▪ June 2015 ▪ August 2015 ▪ December 2015 | <p>Entering into the leasecontract for the required land Start public tender solarpark Entering into the energy purchasingcontract Start of construction Completion and delivery of the Solarpark Ameland</p> |
|---|---|



Critical Success Factors

- **Partners:**
 - AEC (250 members, 1.500 clients, great acceptance population);
 - Eneco (knowledge, reliable investor in renewable energy);
 - Municipality (ambition: 2020 selfsupporting);
- Great confidence in, and trust between, partners
- Internal hours spend on this project exceed 3000

