

PROVINCIE FLEVOLAND

## Sustainable Energy & Development Utility (DE-on)

vital coalition for renewables

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- Why did we start this project?
- Analysis
- What is it?
- Key results feasibility study
- Next steps

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## Why? Political need!

- Target Flevoland:
  - 60% renewable energy in 2013 (excl. transport)
- Realisation 2009:
  - 57%
- Mid 2009: Provincial Parliament filed a motion:
  - "Improve sustainability of Flevoland's energy supply while strengthening Flevoland's Economy"
  - Use the revenues from the sales of our Dutch Energy companies for this purpose (M € 6.5)

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## Why? Paradigm shift needed

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## Why? Key observations

- Growth RE is coming to a hold or has not enough speed to realise our goals
- Market does "cherry picking" (only highly profitable projects)
- Knowledge (technology, legal, financial engineering, subsidies) is hugely scattered
  - "Re-invent the wheel over & over again"
- Number of stakeholders is huge; each project is a jig-saw puzzle with many people/parties puzzling independently

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## Why? Observations Almere

- Ambition: carbon neutral in 2025!
- A Carbon neutral Almere will not be reached within the community borders;
  - 45% can be reached within Almere in 2025
- Cooperation and use of surrounding areas is needed.

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## Sustainable Energy & Development

Utility (DE-on) could be the answer, if able to....

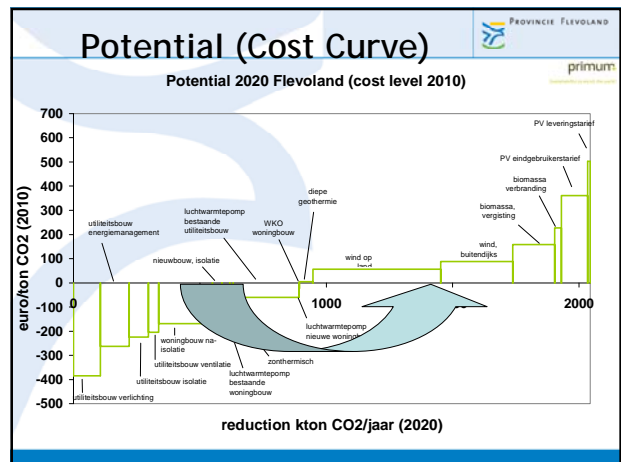
- Bundle, share and increase knowledge
- Bundle projects under a DE-on portfolio
- Engage investors in this new organisation
- Invest "Cheap" money, long term perspective, reasonable return on investment (~5%)
  - Public shareholders!

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## Common ambitions in the Flevoland region ...

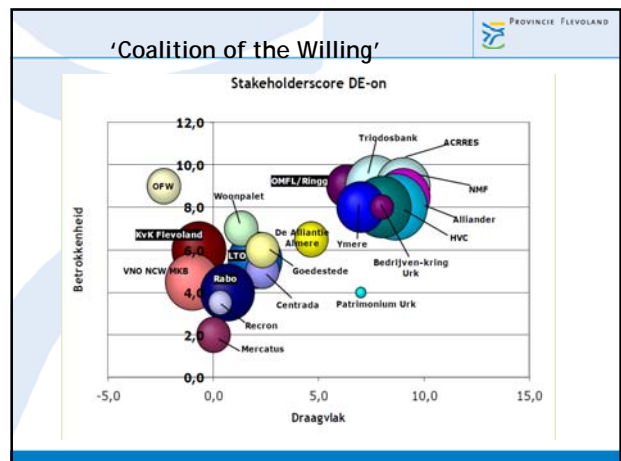
## Feasibility Study DE-on: 4 key questions

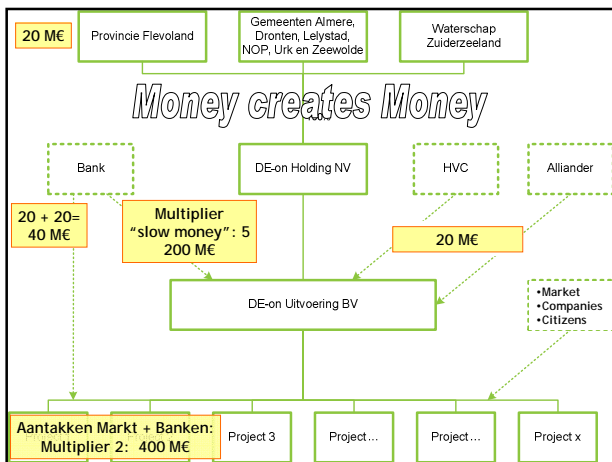
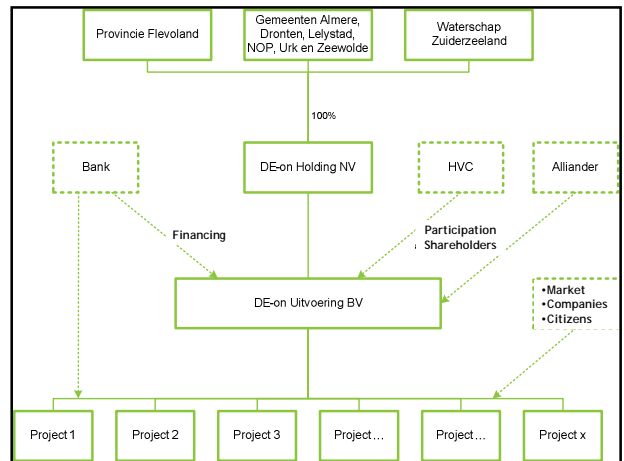
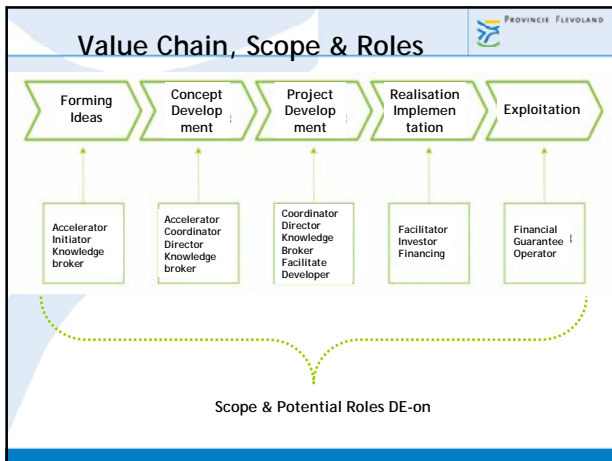
1. Is it financially feasible?
  - Cost curves
2. What's the economical impact?
  - # jobs
3. Potential for cooperation?
  - Stakeholders analysis
4. What would be the legal and organisational form for this new organisation?



## Potential: Impact Regional Economy

- Total Investment: 3.9 billion over a 10 year time period
- Assuming 40% autonomous growth DE-on will at least create about 4.000 man-years of work
- + Indirect:
  - Out-of-scope and not quantified
- + Through creation of huge RES & EE market suppliers of RES & EE technology will be attracted (e.g. Germany and Denmark)
  - Out-of-scope and not quantified
- + Support economical basis for farmers, SMEs and citizens
  - Additional income / lower and stable (energy) costs





- ### (Next) steps
- Introducing DE-on concept (2009)
  - Feasibility study (2010)
  - Decision Go/no-Go Business Plan (2010)
  - Business Plan (2011)
  - Set up DE-on (2012)

## Thanks for your attention

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