

Community-based renewable energy projects

Supporting decentral power development with German technologies

Project Development Programme South-East Asia

MoE focus on community-based approaches



- Initiatives and pilot projects
- Many existing community projects and approaches in Thailand (hydro, biodiesel, biogas, MSW, solar)
- Good infrastructure of cooperatives

Community-Based RE Projects in Germany

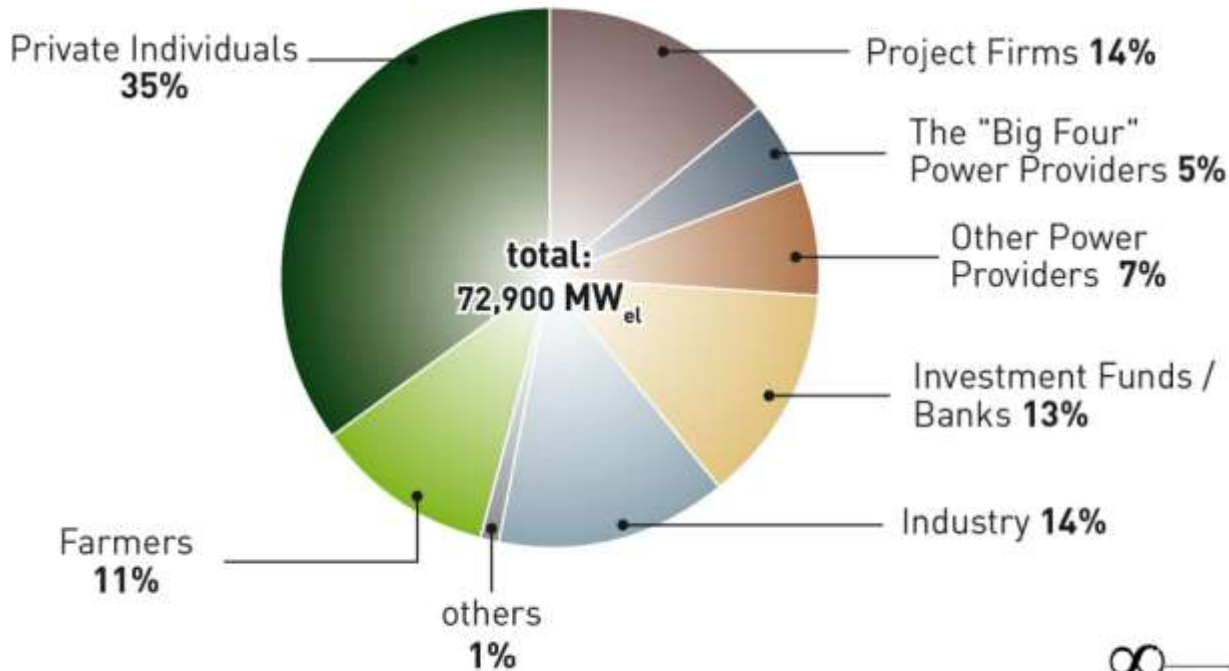


- Rural communities and individuals drive the Energy Transition
- Small, energy independent communities (Feldheim) and large community projects (Saerbeck, Morbach)

Community-Based RE Projects in Germany

Renewable Energy in the Hands of the People

Ownership distribution of installed RE capacity for power production
2012 throughout Germany.



Source: trend research; as of: 04/2013

www.renewables-in-germany.com

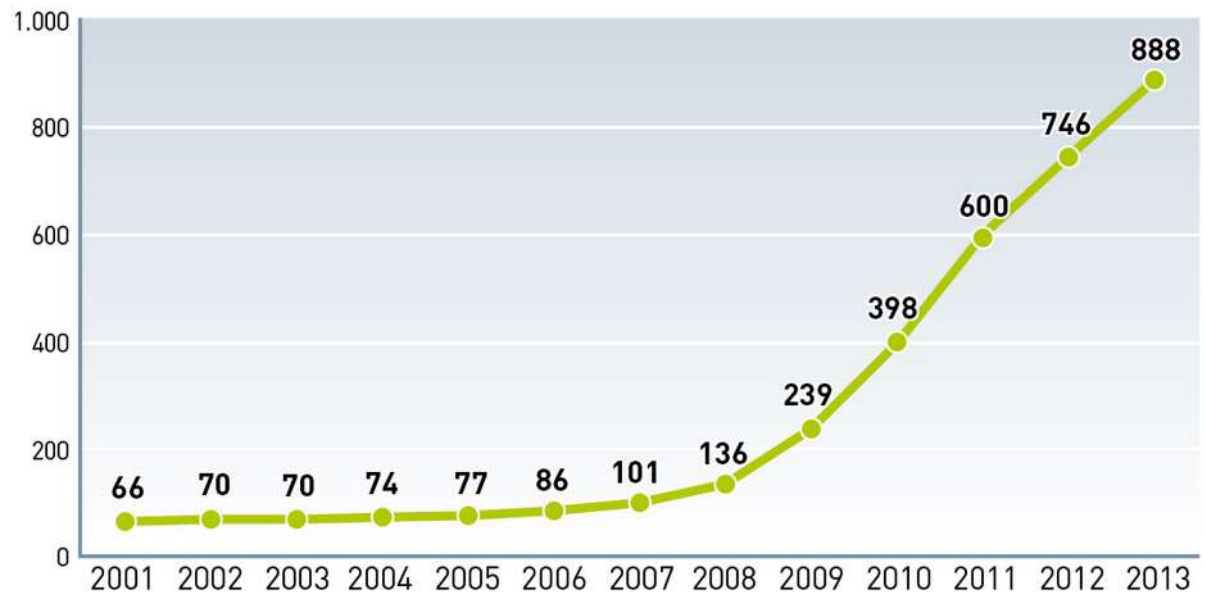


- German Energy Transition = Social Transformation
- Almost 50% of all RE in community/local residents' hands
- 10% of overall electricity consumption 2012 generated in communities

Boom of Renewable Energy Cooperatives

Energy Co-operatives in Germany: A Success Story

Over the last few years the number of energy co-operatives has increased sharply.



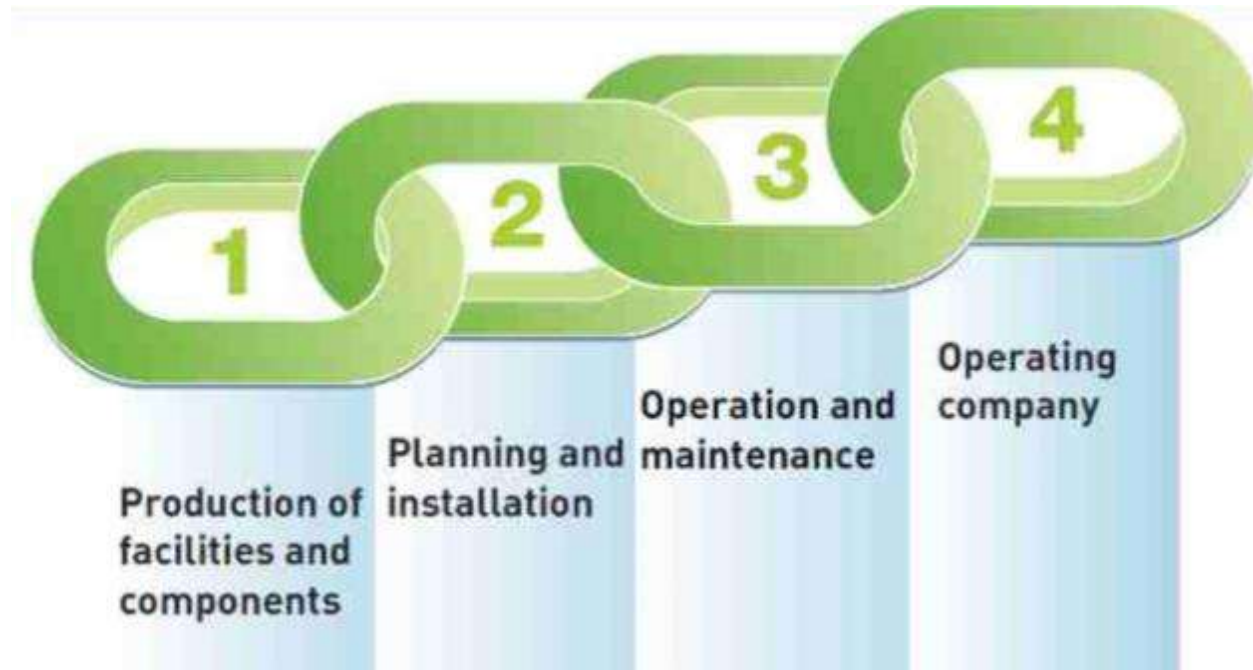
Source: Klaus Novy Institut; as of 01/2014

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- ✓ Community ownership models connect **ecological and economic** interests.
- ✓ Citizens play **active role** in municipal energy policy
- ✓ Joint **financial, conceptual + organizational** input
- ✓ **Benefit** of income is key to local **acceptance** of RE

Local Value Creation by CBRE in DE



**more than
11 billion Euro / year**

Exchange is important



Seeing is believing



Key Success Factors in Germany

- Financial benefit for local communities
- Local value creation: local construction, services, banks
- Investment security through stable framework conditions
- Grid modernization, guaranteed grid access
- Local communities are willing to get involved, Renewable Energies can be decentralized

Goal of the Project Development Programme

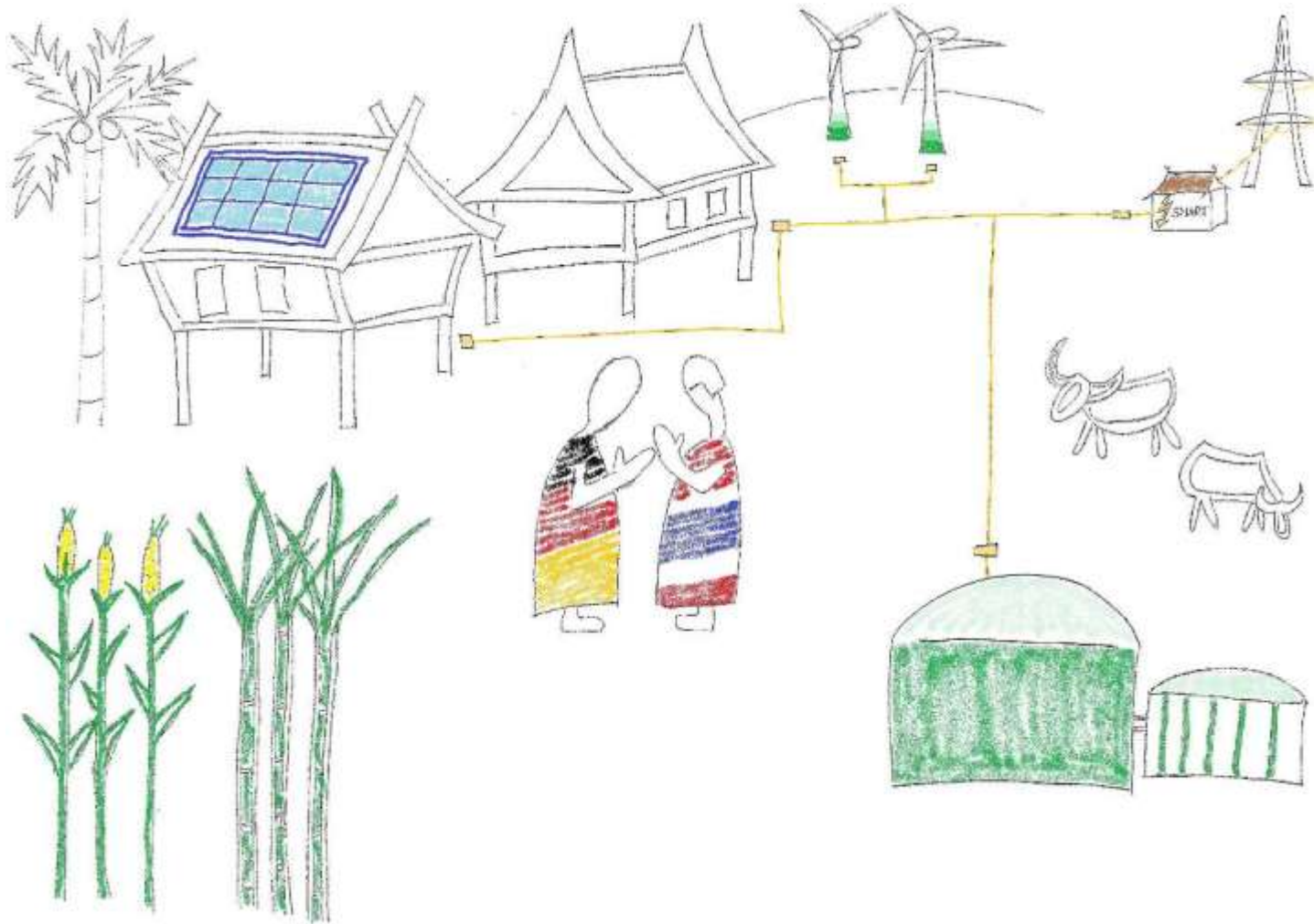
Thai communities are aware of the benefits of local energy production and are continuously exchanging with German renewable energy communities and experts.

A reference project is initiated where German companies cooperate with Thai companies and local stakeholders. The project shall combine different renewable energy or intelligent grid technologies to the benefit of the local community.

Mutual Benefit!

- 🇩🇪 German Renewable Energy companies can cooperate with local stakeholders to do business abroad.
- 🇹🇭 Thailand can benefit from the knowledge and experience of 900 energy cooperatives in Germany who want to share how to save money, create jobs, and create local value in Thailand.
- 🇹🇭 Increase access of Thai companies to new technologies and the experience of German companies.
- 🇹🇭 Support Green Economy Strategy of Thailand by raising awareness on how Thai communities can benefit from renewable energy.
- 🇹🇭 Save money! Create jobs! Attract investment!

Vision





Federal Ministry
for Economic Affairs
and Energy



Thank you...

ขอบคุณค่ะ

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<http://www.thai-german-cooperation.info/renewables-sea.html>

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