

ALTUS AG

AHK Business Trip

06/15/2010, Warsaw

Simon Henigin, Head of Project Development



ALTUS AG

ALTUS AG

Overview

- established in 2008; approx. 90 employees
 - combining of the competencies of the MFG Management und Finanzberatung GmbH (established 1994) and the **wat** Ingenieurgesellschaft mbH (established 1989)
 - international full-service provider for renewable energies
 - service portfolio ranges from feasibility studies to technical operation
-

Business Areas

Project Development	Operation Management	Engineering	Financial Services
Wind onshore Photovoltaik Biomass	Wind onshore Photovoltaik Biomass Contracting	Waste and water management Project management Civil engineering Process engineering	InvestGreen GmbH Acquisition of equity and debt Generation of financial products Consulting

Wind energy

- Installed capacity: 100 MW
- Project pipeline: > 600 MW
- National and international activities
 - Germany
 - Poland
 - Romania
 - Greece
 - Marocco
 - Vietnam



- Joint Venture EnBW Erneuerbare Energien GmbH for wind farm development in the south of Germany

Photovoltaics

- Installed capacity: 3 MW
- Project pipeline: 20 MW
- National and international activities
 - Germany
 - France
 - Czech Republic
 - Vietnam

- Focus on open-space and roof-top plants



Biogas

- Installed capacity: 4 MW
- Project pipeline: > 20 MW
- National and international activities
 - Germany
 - Poland
 - Czech Republic



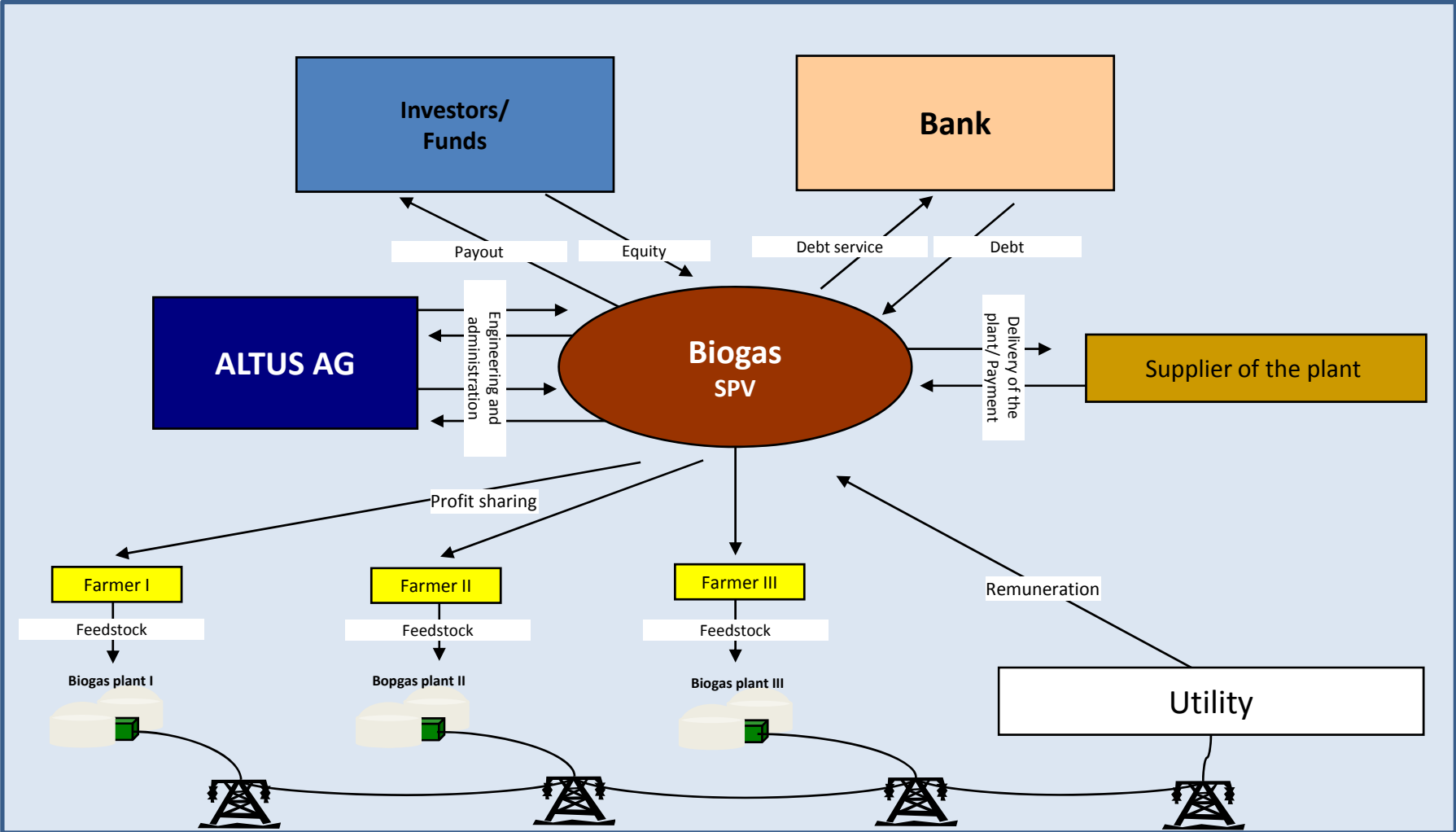
- Cooperation with EnBW Erneuerbare Energien GmbH regarding a corporately project development

Biogas Courtyard Concept GreenGas®

- **Operating model** The farmer is responsible for the feedstock as well as the plant operation. In return he receives a percentage of the remuneration for feeding in the electrical power.
- Scope of service** Project planning, construction management, system operation, financing
- **Capacity** 190 kW_{el} – 500 kW_{el} per plant
- **Capex** 1,2 million to 3,0 million € per project
- **Feedstock** Manure, corn, grass, GPS and crops



Biogas Courtyard Concept GreenGas®



ALTUS AG

Strategy and Targets

- Polish Biogas Market**
- attractive and secure legal framework for RES
 - growing policy and legal support to increase the RES quota
 - polish market is becoming more attractive for foreign players
 - huge biomass potential mainly in the agricultural area
-

- Strategy and Targets**
- extension of our business activities in Poland regarding biomass and biogas
 - implementation of the courtyard concept GreenGas®
 - **looking for partnerships, cooperations, joint-ventures with reliable Polish partners (project developers, strategic investors, municipalities, etc.) for project development and realising biogas power plants**
-

ALTUS AG

ALTUS AG is a reliable partner

Experience in ...

- biogas and agricultural biogas plants and system operation since 15 years
 - turn-key solutions and well-networked in the biogas branche
 - project planning of biogas plants starting with searching of the site to comissioning
 - international project development and country-specific know-how
-

Commercial Scope

- commercial and legal consulting
 - contract management (securing the land, the feedstock, grid connection, etc.)
 - profitability analysis and financing
 - administration
-

Technical Scope

- acquisition of suitable locations and project management
 - technical studies and project assessment
 - license and detail engineering as well as construction management
 - technical administration and operation management
-

Thank you for your attention

Simon Henigin
ALTUS AG
Kleinoberfeld 5
D-76135 Karlsruhe

phone: +49 721 626 906-0
e-mail : s.henigin@altus-ag.de

