



:FutureCamr



JI-CDM-Services – Experiences from examples in China, Cyprus and Germany

Carbon Expo Side Event

“Germany’s activities on the CDM/JI market”

**Hosted by the Federal Ministry for the Environment and the German
Emissions Trading Authority”**

Thursday, May 3, 2007

Room 3

Dr. Roland Geres, FutureCamp

FutureCamp – the Company at a Glance

== FutureCamp Ltd is

- an independent company, founded in 2001
- a MBO of the former Mannesmann Pilotentwicklung
- located in Munich (main office), Berlin and Bottrop
- staffed by an interdisciplinary team of 18

== Our focus is to

- deliver consultancy and services on EU-ETS, JI and CDM (**core business**)
- deliver consultancy on innovation methodologies and processes
- develop new businesses („incubator“), based on new technologies in the sectors energy, materials, health

== Part of FutureCamp are

- FutureCarbon Ltd, Bayreuth
(Hydrogen Storage Systems, Carbon Nanomaterials)
- Hapanet Ltd, Munich (Health, Liver Dialysis Services)



→ You find us at CarbonExpo in Hall 11.1, Stand B058, „German Pavillon“

Services in Emissions Trading and Kyoto-Mechanisms

== EU Emissions Trading

- CO₂ Inventories, Monitoring
- Application for allocation of EU allowances
- Management System & Compliance Tools
- Strategic Consulting, Trading Support

== JI, CDM and similar projects

- Use as strategic element
- Feasibility studies & PINs, Expert reports
- Evaluation and development of baseline and monitoring methodologies, PDDs
- Implementation of internal processes (Monitoring, quality!)
- Support of negotiations with state authorities, stakeholders, validators, potential buyers and financial institutions

== Carbon Offsetting Services

== Development of new products and services, Deployment and Market introduction

== Climate Strategy Development



References in JI/CDM and VER project activities

== Preparation of PINs and PDDs, Steering of CDM / JI projects, incl. sale of credits

== Several *programmatic/sectoral* JI and national project activities

== About **30** JI, CDM and VER project activities in different stages:

- PIN, PDD, under Validation
- Registered Projects, running Projects
- Closures of ERPAs, Procurement

== Technologies: Coal mine methane, energy efficiency, fuel switch, wastewater treatment, renewable energy (biomass, geothermal, wind), building sector, transportation

== Countries: China, Cyprus, Ecuador, Germany, Hungary, Italy, Pakistan, Poland, Romania, Russia, Turkey, Ukraine

== Participation at UNFCCC conferences and methodology expert workshops

== Participation in official Working Groups

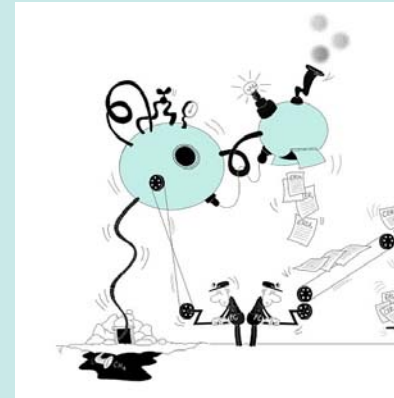


Example 1: CDM in China - supporting Steag`s China Activities

- == Contributing to definition and implementation of an integrated strategic approach to CDM coal mine methane projects in China,
- == Supporting the ERPA negotiations including amount of CERs, price, schedule, responsibilities of each party, liabilities etc.,
- == Ongoing: Negotiating CDM-specific aspects in the Joint Venture contract, Developing the PDD, Preparing the validation audits and supporting the validation process, supporting communication with the authorities, e.g. for obtaining LoEs and LoAs

== **Results:**

- **Successful market entry through combination of our customers outstanding technological skills with CDM**
- **Political support through German Government**



Example 2-Part 1: Mari Wind Farm Project

- == First registered CDM project within the EU, project owner: WINCONO Cyprus
- == First wind project in Cyprus – Technology Transfer
- == Establishing and promoting the use of grid-connected renewable energy technologies
- == Emission reductions: 16,993 t CO₂e/a
- == A total of 8 wind turbines with a capacity of 1.5 MW each → total capacity of 31.5 MW
- == Methodology applied: AMS.I-D.
- == Crediting period: 7 years
- == Validation in March 2006 (TÜV SÜD)
- == Registration in December 2006
- == Additional benefits
 - Creation of local employment
 - Improving the infrastructure



Picture. Wincono Cypr

Example 2-Part 2: Alexigros Wind Farm Project

- First large-scale CDM wind project in Cyprus and second registered CDM project within the EU
- Expected to generate 55,000 CERs annually
- A total of 21 wind turbines with a capacity of 1.5 MW each → total capacity of 31.5 MW
- Emission reductions: 55,559 t CO₂e/a
- Methodology applied: ACM0002
- Crediting period: 7 years
- Validation 03/2006, Registration 12/2006

Results:

- **CDM revenues decisive for „bankability“**
- **Very relevant synergies and cost reductions through „doing two projects at once“ –ongoing developments on bundling and programmatic approaches important!**



Picture: Fu

Example 3: JI-projects in Germany

== Example projects in the application process for JI:

- Fuel switch and energy efficiency in medium heating and energy units, Fuel Switch and energy efficiency in small heating units (both **programmatic**)
- N2O Destruction
- Methane Destruction and Utilization in small biogas plants

== Administrative approach: Case by case, no general decisions, hopefully less time consuming in the future

== Critical Issues on additionality „judgement“:

- Relationship JI – (public) subsidies and instruments like EEG
Energy Efficiency Requirements of applicable laws



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