THE TRANSFORMERS

FROM CARBON DIOXIDE TO BIOFUEL
Motivation of our project
Overview
Motivation for SYNENERGENE

- Identify problems
- Mapping problems
- Development of application scenarios
- Improve project parameters

Problem analysis
Application scenarios
Product life cycle
Technomoral vignette

Electricity Carbon dioxide Isobutanol
Progress Timeline

- Follow-up problem
- Solution approach
- Basic problem
- Causation

Diagram showing relationships between various elements such as transport, infrastructure, and environmental issues like floods, ice age, and pollution.

Key nodes include:
- Loss
- Fluctuation
- Nature-sanctuary
- Costs
- Pumped storage power plant
- Product synthesis
- Pipeline
- Storage of electricity
- Transport of electricity
- Iceage
- Global warming
- Increasing amounts of atmospheric CO₂
- Scority of crude oil
- Industrialisation
- Polar cap
- Gulf stream
- Marine warming
- Reserve depletion
- Exploitation
- Slow formation
Progress Timeline
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- Problem analysis
- Application scenarios
- Product life cycle
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- Electricity
- Carbon dioxide (CO₂)
- Biofuel (isobutanol)
Progress Timeline

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Electricity
Carbon dioxide
Isobutanol
Mind Game - Responsibility

establishment
benefits
small struggle
strong struggle
economic crash
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What we have learned

- How to engage large companies
- Another view on our project
- How much has to be considered
- Future application possibilities
- Risks for possible applications
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Political information
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Statistical Information
Windguard – Land Based (2014)
Wind-Energy – Full Cost Power Generation
Wind-Energy – Feed-In Management
Statista – Number of Wind engines
International Energy Agency

Other contacts
Federal Ministry of Education and Research
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Technical information
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