

Emmission reduction development

Flexible mechanisms of the Kyoto protocol



reducing emissions through innovative solutions



GRUE & HORNSTRUP

25 Years of Consultancy Experience

Grue & Hornstrup Consulting Engineers A/S was formed in 1981. The firm's objective is at all times to provide qualified independent consultancy within following main fields of engineering:

- Emission Reduction Development
- Energy and Environmental Planning
- Energy Management
- Systems Integration
- Building Technology and Consulting (electrical, heating, and ventilation)

Your Partner in Emission Reduction Development

Since 2001 Grue & Hornstrup has been one of the leading companies in Denmark for the development, implementation and trading of Carbon Credits from Joint Implementation (JI) and Clean Development Mechanism (CDM) projects under the Kyoto Protocol.

Grue & Hornstrup specializes in the transfer of the most applicable and latest industrial and environmental technologies available throughout the European Union (EU), which are used for reducing greenhouse gas emissions under JI/CDM projects.

Our broad experience and network of project engineering, technology, and market partners, allows us to provide services which focus on the whole JI/CDM project life cycle, from project identification and assessment, actual operation and monitoring, and the procurement of Carbon Credits.

Our Services

Developing and Managing Your JI/CDM Project

Grue & Hornstrup assists Project Owners in the development and management of their JI/CDM projects through:

- Project screening and identification;
- Preparation of required project documentation (PDD, BS, and MP) for UNFCCC registration;
- Development of new baseline- and monitoring methodologies;
- Assistance in obtaining validation, project host- and investor country approvals, and project registration;
- Obtain, evaluate, and negotiate offers for Carbon Credit trading and ERPA between project owners and buyers;
- Post-Implementation services focusing on Monitoring-, technical-, and operational reviews, Contractual and legal assistance, and Training in monitoring in verification procedures.

Supporting Carbon Credit Procurement and Portfolio Management

Grue & Hornstrup assists Compliance and Governmental programs in their efforts to procure Carbon Credits in the worldwide market through:

- Identification and screening of JI/CDM projects
- Portfolio structuring and marketing of carbon credit programs
- Project and portfolio due diligence assessment
- Contracting and purchasing



Biomass energy in Romania

The Biomass energy project improves the environment by introducing small scale biomass district heating to five towns in Romania, and by upgrading the local heat supply to consumers.

Annual emission reductions: 53,000 tons of CO₂/year.



Geothermal Energy in Oradea and Beius

The Geothermal energy project improves the environment by utilizing the geothermal reservoirs under the two cities resulting in renewable, carbon neutral energy for district heating.

Annual emission reductions: 23,000 tons of CO₂/year.



N₂O reduction at Lovochemie

The Nitrous oxide reduction project comprises the installation of a new catalyst technology for the reduction of N₂O emissions from nitric acid production.

Annual emission reductions: 250,000 tons of CO₂/year.



Landfill Gas Extraction and Utilisation in Focsani

This landfill gas extraction and utilisation project utilises the landfill gas in an existing combine heat and power plant, replacing part of the natural gas consumption and reducing methane emissions from the landfill.

Annual emission reductions: 17,000 tons of CO₂/year.



Landfill Gas Extraction and Utilisation in Tirgu Mures

The landfill gas extraction and utilisation project utilises the landfill gas in existing heating plants, replacing part of the natural gas consumption and reducing methane emissions from the landfill.

Annual emission reductions: 45,000 tons of CO₂/year.



Boiler Efficiency Improvement at Holboca CET Iasi II

This project improves the thermal efficiency of two existing steam boilers by introducing a fire side cleaner to the combustion process, thus preventing the deposit of slag and dust within the boiler installations.

Annual emission reductions: 20,000 tons of CO₂/year.



Energy Efficiency Improvement of the District Heating System in Drobeta Turnu-Severin

This project improves the thermal efficiency of the district heating system by rehabilitating the heat and hot portable water pipes in the distribution network as well as heat exchangers at the heat conversion substations.

Annual emission reductions: 60,000 tons of CO₂/year.



Currently assisting compliance and governmental carbon credit buyers with their worldwide procurement programs to purchase millions of tons of CO₂e.

CONTACT US



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— providing tailored solutions for your emission reduction needs —

Grue & Hornstrup utilises the technical and consultancy assistance of our project partners in order to ensure that our clients receive the highest level of service. Our project partners play an integral role in the majority of our Carbon Credit and Climate Change related projects.

- Korsbæk & Partners
- Danish Forestry Extension
- Climate Focus
- LFG Consult Aps
- Nordic Ambiental
- Energy Serv



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