



## **SEMINAR ON ENERGY EFFICIENCY AND RENEWABLE ENERGY**

**Tuesday, January 13<sup>th</sup> 2009  
Beijing Swissôtel**

### **Program**

**08.30-09.00 Registration**

**09.00-09.10 Opening and Welcome by Ms Liv Monica Stubholt, Norwegian State Secretary of Petroleum and Energy.**

**09.10-09.25 Energy and Environment Sector – What contributions can Innovation Norway and NEEC provide?**

Mr Terje Lang-Ree, Commercial Counsellor, Royal Norwegian Embassy Beijing, Regional Director, Innovation Norway North East Asia

Mrs Grethe Bergsland, Project Manager Innovation Norway Beijing

Mr Geir Haugum, Deputy Director Innovation Norway Beijing

**09.25-09.50 A China-Norway cooperation model for achieving better energy efficiency**

Mr Carsten Tank-Nielsen, Program Director, Confederation of Norwegian Enterprise (NHO) and Mr Li Mingxing, Deputy Director General of China Enterprise Confederation (CEC).

**09.50-10.10 Building an environment-friendly society through innovation; challenges and choices**

Mr Tom Preststulen, Executive Vice President Corporate Governor Asia, Elkem ASA, CCICED Task Force Member

The latest report from China Council for International Cooperation on Environment and Development (CCICED) task force provides interesting insight into the challenges and choices China is facing in developing a sustainable innovation action plan for building an environment-friendly society.

---

**10.10-10.20 The rise of the Green Dragon: The Chinese clean-tech market as a driver for profit and global sustainable development**

Mr Rasmus Reinvang, Senior Adviser Climate Change & Energy Programme, WWF China

The presentation will outline the planned investments in clean tech in China towards 2020 commenting on commercial opportunities and perspectives for global sustainable development.

**10.20-10.40 Recent Examples of DNV Energy China's Activities on Energy Efficiency and Climate Change**

Mr Einar Tore Moe, Director of Operations for DNV Energy Asia and Middle East

DNV Energy China's unit on Sustainability Solutions was established in Beijing in 2008. The presentation will focus on this unit's activities and also present some other interesting projects and initiatives.

**10.40-11.00 Aqualyng – Energy efficient desalination solutions for production of potable water**

Mr Christian Wee, Business Development Director, Aqualyng

Aqualyng is a leading player in the global desalination industry. The company delivers both smaller and larger desalination plants for various applications, and is also financing larger Build-Own-Operate desalination plants.

**11.00-11.15 COFFEE BREAK, 15 minutes**

**11.15-11.30 Waste - from problem to a resource**

Mr Havard Norstebo, Country Manager China, Green Clean Energy AS

Biological waste from the agricultural sector is perceived as a major problem as it is one of the greatest pollution sources in China. Green Clean Energy, however, perceives this as a valuable resource which can be developed into environmentally friendly solutions that will benefit farmers, the environment and investors.

**11.30-11.45 Metallkraft Presentation**

Mr Ronny Schumann, Global Sales and Marketing Director, Metallkraft AS

The wafer cutting process, a crucial step in the production of solar panels, requires large amounts of cutting slurry. The slurry consists of abrasive silicon carbide particles and glycol, and is quickly polluted during the cutting process. Instead of disposing of this valuable and polluting liquid, Metallkraft introduces a patented technology that ensures that the spent slurry is effectively recycled and that all pollutants are turned into commercially interesting products. This technology results in 100% recycling without adding any chemicals. The recycled slurry retains fully its cutting abilities, at a fraction of the cost of fresh slurry.

**11.45-12.00 NBT – Wind- and biomass energy projects in China**

Mr Arne Myre, Executive Chairman NBT, Joar Viken, CEO NBT

---

## About the contributors:

### **Innovation Norway**

Innovation Norway promotes industrial development profitable to both the business economy and Norway's national economy, and helps release the potential of different districts and regions by contributing towards innovation, internationalization and promotion. As of 2004 the new state owned company *Innovation Norway* replaced the following four organisations: The Norwegian Tourist Board, the Norwegian Trade Council, the The Norwegian Industrial and Regional Development Fund, SND, and the Government Consultative Office for Inventors, SVO. Innovation Norway has offices in all Norwegian counties and in more than 30 countries world wide. In China we operate as the Commercial Sections of the Royal Norwegian Embassy in Beijing and the Norwegian Consulate General in Shanghai.

Our key focus areas are environment and energy, oil and gas, the marine sector and fisheries, health and biotech and general research and development. We offer services within the areas of financing, competence and market expertise, advisory for business strategy, networking and promotion.

Terje Lang-Ree, Commercial Counsellor, Royal Norwegian Embassy Beijing, Regional Director, Innovation Norway North East Asia

Telephone: +86 10 8531 9600

[Terje.lang-ree@innovationnorway.no](mailto:Terje.lang-ree@innovationnorway.no)

[www.innovationnorway.no](http://www.innovationnorway.no)

Geir Haugum, Deputy Director, Innovation Norway Beijing

Telephone: +86 10 8531 9600

[Geir.haugum@innovationnorway.no](mailto:Geir.haugum@innovationnorway.no)

### **NEEC**

The Norwegian Energy and Environment Consortium (NEEC) was established in cooperation with Innovation Norway and Norwegian Industry in 2005 with the aim of supporting Chinese businesses in their effort to develop a more sustainable strategy within specific environment fields, by providing know-how and technology from its member network from the Norwegian energy and environment industry, as well as from consultants and academic institutions.

Neeec is today active within the sectors of energy efficiency and management, renewables, water and sanitation management as well as project financing.

The NEEC project team is located at Innovation Norway in the Royal Norwegian Embassy, Beijing.

Grethe Bergsland, Project Manager, Innovation Norway

Telephone: +86 10 8531 9654

[Grethe.bergsland@innovationnorway.no](mailto:Grethe.bergsland@innovationnorway.no)

[www.neec.no](http://www.neec.no)

### **NHO**

NHO, The Confederation of Norwegian Enterprise, is the main representative body for Norwegian employers with a current membership of over 18,500 companies ranging from small family-owned businesses to multinational companies. NHO has been active in China for more than 20 years in close cooperation with its sister organisations in China; CEC and ACFIC. NHO and its Chinese counterparts cooperate across a range of fields, including labour relations, health and safety, corporate social responsibility, management, and recently also energy efficiency.

Carsten Tank-Nielsen, Programme Director, NHO

Telephone: +47 91806221

[Carsten.tank-nielsen@nho.no](mailto:Carsten.tank-nielsen@nho.no)

---

## **CEC**

CEC, the China Enterprise Confederation is China's largest confederation with more than 50.000 state owned and private member companies and also includes provincial and municipal associations, industry associations and trade associations. CEC has cooperated with NHO since the mid-80s. Delegations from CEC and NHO frequently visit each other, and are often accompanied by companies from their home countries interested in learning and doing business with each other. NHO and CEC have recently launched an initiative to build an Energy Efficiency Center in Dalian.

Michael Niu, Division Chief, International Department, CEC  
Telephone: +86 10 6872 5437  
[zqniu@126.com](mailto:zqniu@126.com)

## **Elkem**

Elkem, part of the Orkla group, is one of the world's leading companies for environmental-friendly production of metals and materials. Its principal products are aluminum, energy, silicon metal, special alloys for the foundry industry, carbon and microsilica. Elkem is also making a big commitment to the solar power industry. In China the company's activities includes production of microsilica, carbon products as well as sourcing and trading of metals and black materials. The company has 4 registered entities in China.

Tom Preststulen, Executive Vice President Corporate Governor Asia, Elkem  
[Tom.preststulen@elkem.no](mailto:Tom.preststulen@elkem.no)

## **WWF**

WWF is a global nature conservation organisation with approximately 5 million members and projects in more than 100 countries. WWF has worked in China since 1979, initially working on great panda conservation together with the Chinese government. WWF is also focusing on promoting low carbon development in China through public awareness campaigns, engaging Chinese companies to document carbon footprints and develop low carbon business models, the Low Carbon City project together with Baoding and Shanghai, policy development with regards to wind and solar energy as well as facilitating and exploring potential for increased cooperation and trade between OECD and China with regards to environmental goods and services.

Rasmus Reinvang, Senior Adviser Climate Change & Energy Programme, WWF China  
Telephone: +47 920 32 515  
[rreinvang@wwf.no](mailto:rreinvang@wwf.no)  
[www.wwf.no](http://www.wwf.no)

## **DNV**

DNV celebrated 120 years in China in 2008. Our purpose for being is to "Safeguard Life, Property and the Environment:" with the vision of "Global impact for a safe and sustainable future". In China, DNV offers Risk Management services to the maritime -, energy -, IT-, software - and other land-based industries. DNV operates from 36 offices including stations and site offices at 20 locations in Greater China, with the head office based in Shanghai.

Einar Tore Moe; Director of Operations for DNV Energy Asia and Middle East  
Telephone : +86 139 1877 1179  
[einar.tore.moe@dnv.com](mailto:einar.tore.moe@dnv.com)

---

## **Aqualyng**

Aqualyng is a leading player in the international desalination industry. It is part of the Lyng-Group, a well known industrial developer in Norway with history dating back to 1945. Aqualyng was established in 2002 and has operated in China since 2007. The company is delivering both smaller and larger desalination plants for various applications, and is also financing larger Build Own Operate desalination plants.

Christian Wee, Business Development Director, Aqualyng  
Telephone: +47 40006042  
[christian.wee@lyng.no](mailto:christian.wee@lyng.no)

## **Green Clean Energy**

Green Clean Energy AS and its subsidiary Tian Di Da Yuan provide services and solutions related to utilization of biological waste, particularly manure management. The manure can be converted into Biogas, power and Mineral-organic fertilizer. In addition to our technical expertise our company will provide assistance to ensure that the projects can earn carbon credits and obtain necessary external financial support. We seek to take an equity stake in the projects that we engage in.

Mr Havard Norstebo , Country Manager China , Green Clean Energy  
Telephone: +86 13601004051,  
[mail@havardnorstebo.com](mailto:mail@havardnorstebo.com)

## **Metallkraft**

Metallkraft AS is headquartered in Kristiansand, Norway. It is a company that builds on years of research and development in the area of silicon and silicon carbide slurry. Its 80+ staff is highly skilled and dedicated to serving the solar industry and the environment. Our state-of-the-art plant in Yangzhou, Jiangsu Province is being commissioned these days, servicing leading Chinese wafer manufacturers with the Metallkraft slurry recycling technology.

Ronny Schumann, Global Sales and Marketing Director, Metallkraft AS  
Telephone: +47 905 26 378  
[ronny.schumann@metallkraft.no](mailto:ronny.schumann@metallkraft.no)  
[www.metallkraft.no](http://www.metallkraft.no)

## **NBT**

NBT AS is a Norwegian development and investment company with focus on renewable energy in emerging and developing countries in Asia. They currently have two major development projects in China:

### *Wind farm Development*

The first 50 MW wind farm in China is under construction and will be ready in 2009. Development rights for further projects in China and Pakistan have been secured and co-investors are ready to participate in future projects. NBT plans for the wind farms to become CDM projects. Annual development is estimated to be around 2-400 MW.

### *Biomass Project*

A 50 MW biomass project in China is under construction and will be ready in 2010. Corn straw (leftover from corn production) is used as fuel and will provide thousands of local farmers with extra income. Educational facilities will be built to support the local community. The plant is likely to become a CDM project. Norwegian experts and technology is used to improve the energy efficiency of the buildings.

Arne Myre, Executive Chairman, NBT  
Telephone: +47 93211003  
[myre@nbtas.no](mailto:myre@nbtas.no)

Joar Viken, CEO, NBT  
Telephone: +47 91619785  
[viken@nbtas.no](mailto:viken@nbtas.no)