

MISSÃO EMPRESARIAL à HOLANDA: ENERGIA

PROGRAMA PROVISÓRIO

18 Novembro, domingo

- 13H15 Check-in no Aeroporto da Portela (Lisboa) – Balcão da KLM
- 15H15 Partida para o Aeroporto de Schiphol (Amesterdão) – Voo KL 1694
- 19H20 Chegada a Schiphol. Transfer para o hotel de 4 estrelas em Groningen

19 Novembro, segunda-feira

- 08h30 Partida do hotel para uma visita à GasTerra – Sistemas termoeléctricos (parte do grupo Gasunie: www.nvnederlandsegasunie.nl/en/index.htm e www.gasterra.com)
- 12h30 Almoço
- 13h30 Visita à TNO – Sistemas de Energia Inteligente (Smart Power Systems)
- 15h00 Visita ao projecto Zwaagwesteinde – Projecto de 24 casas a funcionar à base de 0,2% EPC (coeficiente do desempenho energético)
- 18.15 Cerimónia de abertura da “Energy Delta Convention”: incluindo recepção e buffet www.energyconvention.nl: programa
- 21h00 Regresso ao hotel

20 Novembro, terça-feira

- 09h30 Partida do hotel para o local da “Energy Delta Convention”
- 10h15 Abertura (www.energyconvention.nl: “programme” e “speakers”)
- 10h30 Apresentação por: G. Lankhorst - CEO GasTerra
- 11h00 Apresentação por: J. Elkington - Co founder of SustainAbility
- 11h30 Apresentação por: G. Doucet - Secretary General of the WEC
- 12h00 Almoço (networking)
- 13h30 Contactos comerciais **personalizados** com empresários holandeses
- 18h30 Jantar (Convention Dinner) em Groningen
- 23h00 Regresso ao hotel em Groningen

21 Novembro, quarta-feira

- 07h30 Partida do Hotel para o Aeroporto de Schiphol (Amesterdão)
- 10h15 Check-in no balcão da KLM
- 12h15 Partida para Lisboa – Voo KL 1693
- 14h15 Chegada a Lisboa

TNO – SMART POWER SYSTEMS

ICT and energy

As Deputy Director of NOM, Ed van de Beek is involved, among other things, with development and innovation in the field of Energy and ICT. 'We are all aware that, for the next 20 years, we will still be dependent on fossil fuels such as gas. We want to use them as efficiently as possible.' Ed van de Beek

Within this program, TNO is responsible for administrative processes (e.g. new billing processes) and ICT, in particular telecommunications. The value of the SPS program is that it demonstrates very clearly how ICT can facilitate energy innovations. Within the energy sector, there is a strong focus on innovation. One of the drivers of that process is the development of decentralized power generators such as wind turbines, solar cells and the latest advance in heating boilers, namely high-efficiency E-boilers (E stands for electricity).

New possibilities

The latter technology will gradually replace existing high-efficiency boiler technology. The unique feature of this new type of boiler is that it can generate electricity as a 'by-product' of heat generation for hot water and heating. The next step would be to use ICT applications to connect several high-efficiency E-boilers in order to create a 'Virtual Power Plant'. This network of E-boilers could also store sustainable forms of energy such as wind power and solar power. Using such boilers (and other decentralized electricity generating systems), which can be controlled remotely and on a large scale, will gradually help to reduce our dependency on fossil fuels and other energy sources. The individual boilers will be used not only for heating and electricity in homes, but will also enable energy companies to supply power to the national grid. All the developments described above are part of the Smart Power System program.

Participants

The following parties are currently involved in the SPS program: Continuum, ECN, Eneco Netbeheer BV, Energy Valley, Essent Netwerk B.V., Gasunie Engineering & Technology, GasTerra, ICT Automatisering, KEMA, N.V. NOM, TietoEnator and TNO.

Zwaagwesteinde

Zwaagwesteinde is a recent housing project in the North of the Netherlands. In 2005, 24 sustainable houses were developed, each with an Energy Performance Coefficient of 0.2. This performance is due to high isolation rates of roofs, walls and floors, but can also be linked to the use of eighteen solar panels and a private water pump. The latter is part of a structure that stores cold and warm air in an underground tank: in winter the warm air is used for central heating, in summer the cold air is used for cooling the houses. Seinen Project Development, in charge of the Zwaagwesteinde Project, is currently working on reducing the Energy Performance Coefficient to 0.1. by implementing these energy saving measures and developing new ones.

Opening Ceremony

Date: Monday November 19th

Time: 18.15 - 21.00 hour

Venue: Academy Building

The University, the Province and the City of Groningen welcome you and invite you to a reception and buffet supper. The Opening Ceremony will be the 'kick off' the third Energy Delta Convention in Groningen. The Opening Ceremony venue is held in the Academy Building, the official seat of the University of Groningen. The Academy Building is situated right in the centre of the town, like most of the hotel accommodations.

Groningen is the main capital of the northern part of the Netherlands. This area is acknowledged by the Dutch Government as the energy valley in the Netherlands. Groningen is widely known for the Groningen Gas field, and has a key position in the European gas infrastructure. The University of Groningen hosts the Energy Delta Research Centre (EDReC) that covers research on subjects that deal with the entire energy chain.

Local authorities, academic institutions and private partners closely cooperate to enhance the international key position. Main issues of this energy cluster are creating new business opportunities and new knowledge in a sustainable environment.

Word of welcome: Mr. M. Kramer - CEO N.V. Nederlandse Gasunie



Academy Building



Interior of the Academy Building

Convention Opening Ceremony

Academy Building

Broerplein 5

9712 CP Groningen

The Netherlands

Keynotes

The Energy Delta Convention 2007 will invite international reknown speakers to deliver a plenary keynote and to participate in the concluding plenary forum. Speakers to be announced. Confirmed keynotes are:

Keynote speaker 1:



Mr. John Elkington

Mr. John Elkington, Co-founder and Director of SustainAbility

Co-founder and Director of Sustainability, 1987-1995, Chairman from 1995-2005, London, United Kingdom. Also chairs or serves as member of councils and committees, e.g. for Business & Human Rights Resource Centre (B&HHRC), Dow Jones Sustainability Indexes, The Environment Foundation, Export Credits Guarantee Department (ECGD), Business in the Environment, Royal Society of Arts (RSA), Zouk Ventures and Instituto Ethos, Brazil.

He is also a member of the WWF UK Council of Ambassadors, the Evian Group Brains Trust and contributor to Tomorrow's Global Company Inquiry. BusinessWeek described John in 2004 as "a dean of the corporate-responsibility movement for three decades."

Keynote Speaker 2:



Mr. Gerald Doucet

Mr. Gerald Doucet , Secretary General of the World Energy Council

Gerald Doucet was appointed the fourth Secretary General of the World Energy Council in 1998, London, United Kingdom. Prior to his appointment, Mr. Doucet was previously the President and CEO of the Canadian Gas Association (1994-1998). From 1992-1994, he served as President and Founding Director (Europe) for the Europe-Canada Development Association, and from 1988-1992, as the Agent-General for the Province of Ontario (Canada) in Europe. He also served as Senior Vice-President of the Retail Council of Canada from 1982-1987, and before that worked for the government of Canada in various economic and policies roles.

A native of Canada, Mr. Doucet graduated from Ottawa University in 1967 and received his master's degree in Economics from Carleton University.

Keynote speaker 3:



Mr. Gertjan Lankhorst

Mr. Gertjan Lankhorst, Chief Executive Officer of GasTerra

Gertjan Lankhorst was born in Amsterdam on 22 December 1957. Between 1982 and 1986 he worked at Amsterdam Free University. He joined the Ministry of Economic Affairs in 1986 as a member of the General Economic Policy Department. This was followed by various positions within the Ministry, including Director of Oil and Gas (1996-1999), Competition Director (1999-2003) and Director-General for Energy (2004-2005). On 1 September 2006, Gertjan Lankhorst was appointed Chief Executive Officer of GasTerra.

Keynote speaker 4:



Mr. Gérard Magnin

Mr. Gérard Magnin, Executive Director Energie-Cités

At 56 years old, Gérard Magnin has been Executive Officer of Energie-Cités since 1994, after having been one of the original founders of this European network. He represented the French Environment and Energy Conservation Agency (ADEME) in Franche-Comté for ten years. Initially trained in electrical engineering, followed by economics and politics, he taught economic and social sciences for 8 years.

Convention Dinner

Date: Tuesday November 20th

Time: 18.30 - 23.00 hour

Venue: Der Aa-kerk

The Convention Dinner is located in the centre of Groningen in the beautiful Der Aa-kerk (Aa-Church). The church is a Gothic church that in catholic times was dedicated to Mary and St. Nicolaas. An originally Romano-Gothic (13th century) church was rebuilt into a Gothic one (15th century), of which the tower and part of the nave collapsed in 1710, after which these parts were replaced by the current, colourful tower. In the province of Groningen, there are still about 200 churches from the 13th - 15th centuries. The oldest are in the Romano stile, but the majority are in Romano-Gothic style.

On the picture below, you can see some impression photos of the convention dinner of last year.



Convention Dinner ECG2006



World-famous Schnitgerorgel

Convention Dinner

Der AA-kerk

Akerkhof 2

9711 JA Groningen

The Netherlands