



# Nuon Magnum Newsletter

number 1, October 2006

## MER received by Commissioner in person

On Monday 2 October the Queen's Commissioner, Mr Alders, received the Environmental Impact Statement (MER) and licence applications at the provincial government office in Groningen. The submission of these applications by Nuon directors Jost and Van Haperen marks an important step in the development of the Nuon Magnum power plant.

"This is an important project for Groningen", says Alders. "It will enable us to realise our ambitions in the Eemshaven". Project director Van Haperen endorses this. "It is a wonderful moment, a new phase in the project. The Eemshaven is a superb, spacious location with a modern sea port, good infrastructure and excellent facilities for connecting to the high-voltage grid. Deepening the channel to the harbour and the harbour itself offers great opportunities both for the Eemshaven and for Nuon."

In recent months the Province of Groningen, Rijkswaterstaat (Directorate for Public Works and Water Management) and other parties have been working together to draw up the MER and the licence applications. These licences relate to the Wm (Environmental Management Act), the Wvo (Surface Water Pollution Act) and the Wwh (Water Resources Management Act). In addition to the principal documents, the substantial package includes a noise report, atmospheric diffusion calculations with respect to emissions, a cooling water study and a safety report.

In the months ahead, government bodies will review the documents and start formulating the text of the licences. In addition, the applications will be published so that stakeholders and interested parties can inspect the documents. It is expected that the definitive licences will be issued before 1 July 2007. This date is important because the Management Board will take its definitive investment decision in the summer of 2007.



## Gasification Licence

In early July Nuon reached agreement with Shell for the use of their modern coal gasification technology. Coal gasification leads to greatly reduced emissions of harmful substances and offers improved opportunities for CO<sub>2</sub> capture and storage compared to conventional coal-fired plants. Moreover, coal gasification is very suitable for gasifying large quantities of biomass, which is what Nuon is already doing at the coal gasification plant in Buggenum, also using the Shell licence. Shell is providing Nuon with both the gasification license and a basic process design package for the Nuon Magnum IGCC power plant.

## Eemshaven welcomes Nuon Magnum



Harm Post, director of Groningen Seaports, is really happy about the arrival of Nuon Magnum. "It offers an enormous incentive for the development of the Eemshaven, which is gradually turning into a major energy port."

Groningen Seaports is investing huge sums in the Eemshaven in preparation for the arrival of companies including Nuon.

The arrival of the power plant with an investment budget of over one billion euro is the largest private investment ever made here. It offers great employment opportunities. During the development more than 1000 people will be working on the site. After construction, the plant will employ 80 people directly and another 220 indirectly.

With the arrival of the Nuon power plant and several other initiatives the port will become a genuine energy port. "We must all move forward enthusiastically. So on behalf of Groningen Seaports I would like to bid Nuon a hearty welcome to the Eemshaven, the energy port of the Netherlands."

## Tender process

In May Nuon started the tender process for the construction of the Magnum power plant. The European directives for tender procedures have been followed and the internal Nuon guidelines have been used too. The procedure is as follows.

- Pre-qualification of suitable tenderers.
- Issue of 'Invitation to Tender' (ITT).
- Technical and commercial evaluation based on predetermined criteria. The evaluation may include a technical dialogue and explanations.
- Final negotiations and (conditional) contract award.

There are several parts to the procedure:

- the MAC (Main Automation Contractor)
- the ASU (Air Separation Unit)
- the CCU (Combined Cycle Unit)
- the Gasifier (Gasification units plus gas purification).

Here is an overview of the months in which the announcements and publications will be made.

### MAC

Announcement: June 2006  
ITT issuance: July 2006  
Award: November 2006

### ASU

Announcement: May 2006  
ITT issuance: July 2006  
Award: 1st quarter 2007

### CCU

Announcement: July 2006  
ITT issuance: September 2006  
Award: 2nd quarter 2007

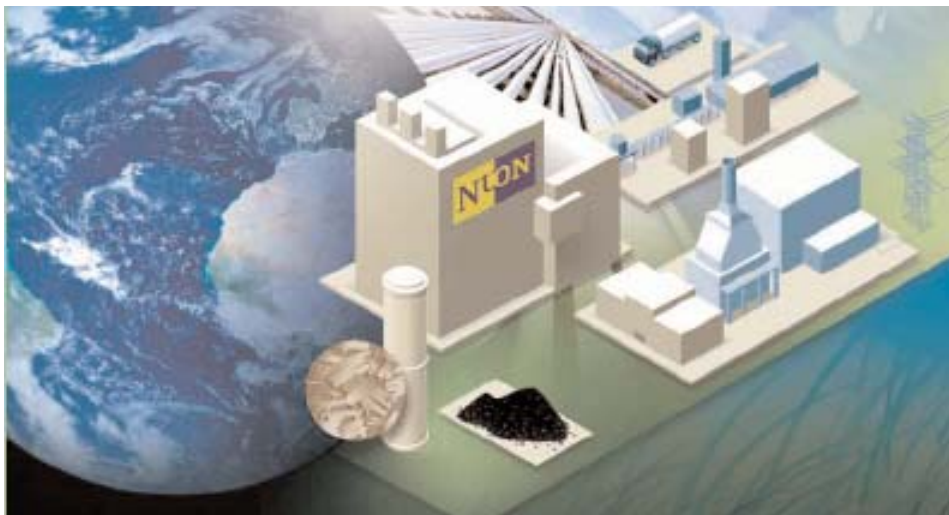
### Gasifier

Announcement: November 2006  
ITT issuance: December 2006  
Award: 2nd quarter 2007

For more information visit our tender website, [www.ted.europa.eu](http://www.ted.europa.eu)

## Nuon Magnum

Nuon is developing a new power plant that is expected to start commercial operation in 2011. The new generation facility will be able to generate 1200 MWe from coal, gas and biomass, enough to provide electricity for two million households. The multi-fuel power plant will be based on gasification technology, which is one of the cleanest and most flexible ways of generating electricity from solid or liquid fuels. Nuon already has extensive experience of coal gasification from the *Willem-Alexander* plant in Buggenum.



## Colophon

This newsletter is published by Nuon Energy Sourcing and appears quarterly.



## Editorial staff

Natalie van der Burg  
(Magnum Project Control & Communication)

Monique Schumans  
(Energy Sourcing Communication)

If you have any questions or comments, please send an e-mail to [magnum.mc@nuon.com](mailto:magnum.mc@nuon.com)

[www.nuon.com/magnum](http://www.nuon.com/magnum)