



CCPP NUON MAGNUM

NETHERLANDS

Owner: developing a new power plant that shall start commercial operation in 2011. The NUON/The Netherlands will be based on gasification technology, which is one of the cleanest General contractor ways of generating electricity from solid or liquid fuels. The power plant will be built in phases, starting with the 1200 MW natural gas fired combined cycle power plant Capacity (electrical) the combined cycle power plant unit was awarded to Mitsubishi Heavy Industries, Ltd. (MHI) from Takasago/Japan. MHI has awarded the entire civil construction Overall costs East Nedam, Nieuwegein/The Netherlands.

€ 1.100 mill.

Operation: On behalf of MHI, convex ZT GmbH is carrying out the civil design works. The entire plant is founded on prestressed reinforced concrete driven piles. In order to achieve a sufficient noise protection, the Machine Hall and the Boiler are clad with heavy concrete panels. Although The Netherlands is not a seismic area, a seismic design with a horizontal ground acceleration $0,4 \text{ m/s}^2$ is required by the owner to reach a higher safety level of the load bearing **Photos:** 2,4 m/s² is required by the owner to reach a higher safety level of the load bearing **Balance:** East Nedam (AEROPHOTO EELDE)

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