



CCPP NUON MAGNUM NETHERLANDS

Owner: Developing a new power plant that shall start commercial operation in 2011. The NUON Group plants 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 **Phase:** 2,4 m/s² is required by the owner to reach a higher safety level of the load bearing **Location:** East Nedam (AEROPHOTO EELDE)

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