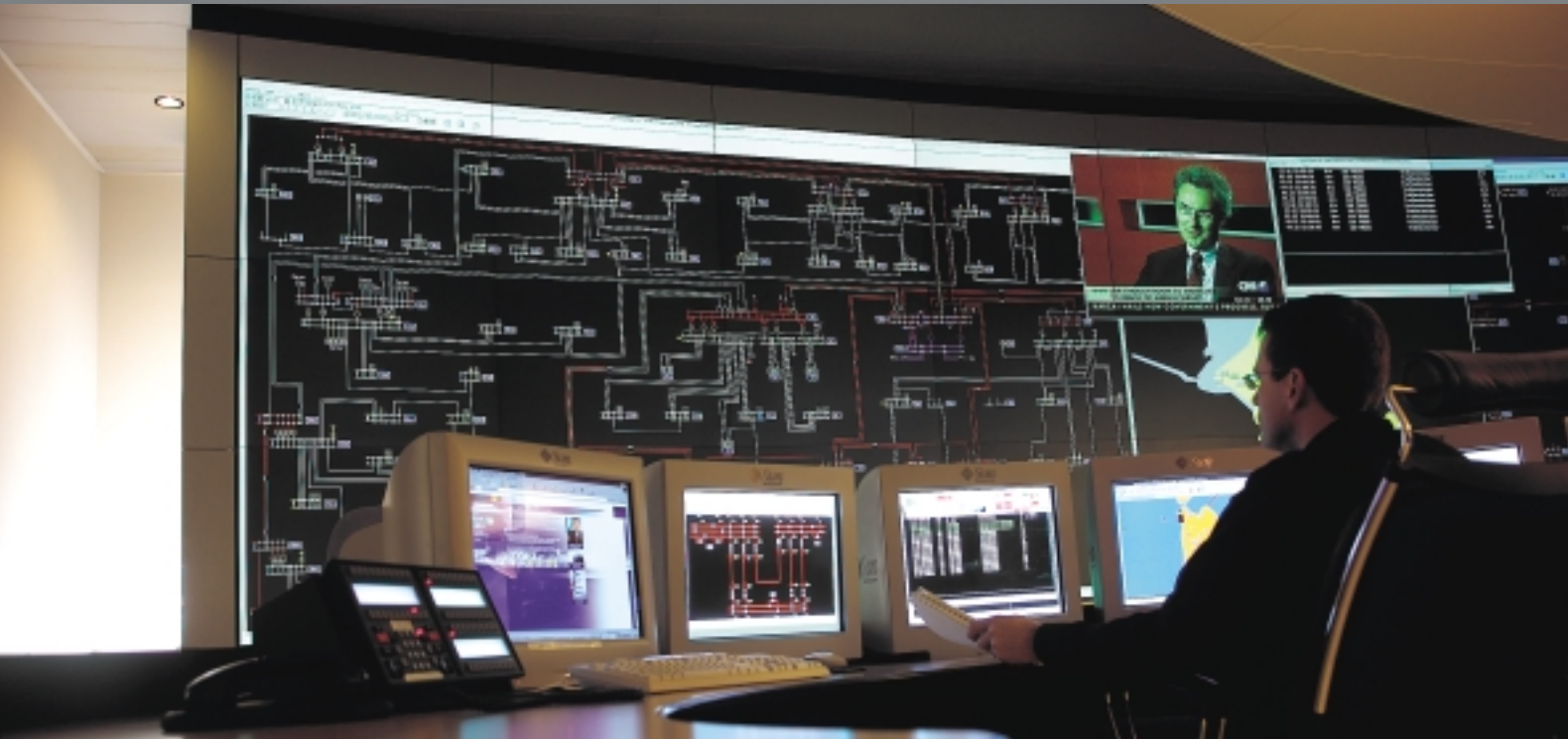


NUON [Netherlands]



Energy transportation and distribution network center

Every day, NUON provides almost 5 million private and business customers with products and services - electricity, gas, water and heating. This makes NUON one of the leading energy and water companies in the Netherlands and abroad.

Barco enhances NUON's operational efficiency

Since the merger of NUON and ENW (Energy Nord West) the electrical network of NUON has become twice as large. Because NUON's mosaic wall had reached its final size and could not be further extended in line with the needs of an ever-growing network, NUON decided to replace it by a modern and more flexible large-screen display wall. After thorough investigation, NUON chose Barco's solution, supplied and integrated by Siemens Germany/Netherlands.

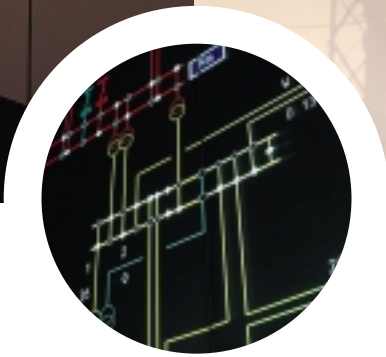
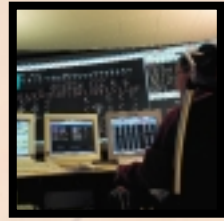
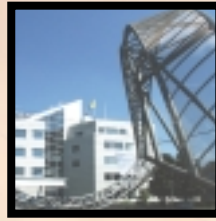
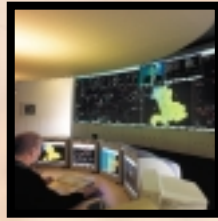
Barco's solution along with Siemens' energy management system provides NUON's operators with all critical information at a glance, thus significantly reducing the reaction time per event. The solution enables NUON to offer the highest quality of customer service and to efficiently reduce its operational costs.

BARCO

Visibly yours



NUON replaced its mosaic wall by a 36m² Barco display wall allowing the dynamic visualization of its energy management applications.



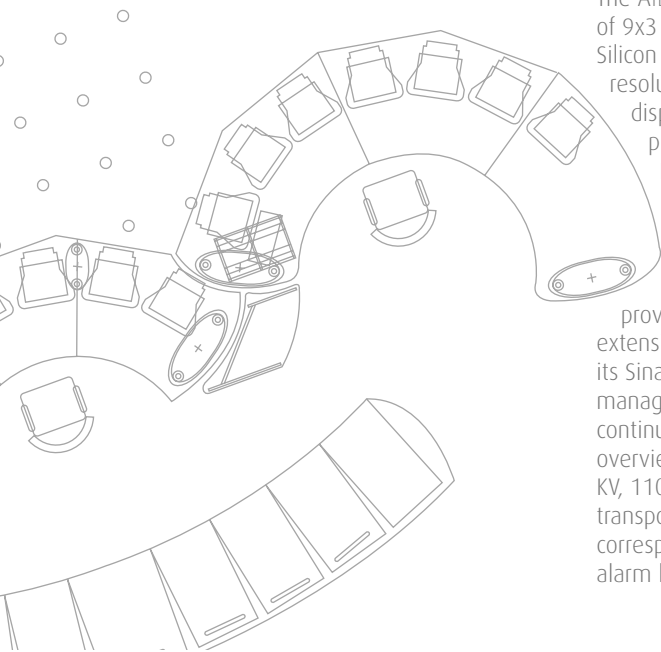
The display wall consists of 9x3 67" ATLAS structures in a curved set-up, 27 Poly-Silicon rear-screen projectors with XGA resolution (overall resolution of the display wall 9216x2304 pixels) - a powerful tool providing the operators with all information at a glance.

Total turnkey solution

The ATLAS display wall structure consists of 9x3 67" modules, with 27 Poly-Silicon rear-screen projectors with XGA resolution (overall resolution of the display wall 9216x2304 pixels). The projectors are controlled by Barco's distributed X server, which provides a huge desktop with a total resolution of over 21,200,000 pixels. The high-resolution display wall will provide a detailed view of NUON's extensive network. Siemens integrated its Sinaut Spectrum energy management system, enabling the continuous display of updated network overviews such as 380 KV, 220 KV, 150 KV, 110 KV, and 50 KV regional transportation networks, with the corresponding details, country maps, alarm lists, etc.

Additional video insertion cards allow the display of TV and DVD sources, as well as images from surveillance cameras in user-defined windows. For professional-quality customer presentations, MS-Windows systems can be connected via an RGB insertion card.

Three operator workplaces, with 4 monitors each, serve as energy management stations. Thanks to Siemens' remote cursor feature, all operators are able to reroute their keyboard and mouse directly to the display wall, enabling direct network control on the wall.





The front-end user interface, consisting of an interactive touch screen per workplace, enables the user-friendly control of access, lighting as well as the multimedia system and other external sources.

Customer satisfaction

Excellent project preparation and collaboration between all partners, and Siemens' and Barco's dedication to on-time delivery, resulted in a short time-to-commission, without unduly affecting NUON's normal operation.

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Barco Control Rooms is an ISO 9001 registered company.
The information and data given are typical for the equipment described. However any individual item is subject to change without any notice.
The latest version of this product sheet can be found on www.barcocontrolrooms.com

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