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SCANDINOVA WINS ORDER OF HIGH VOLTAGE MODULATORS FOR THE NEW LINAC AT DARESBURY LABORATORY

ScandiNova Systems AB has received an order of two high-voltage klystron modulators from Science and Technology Facilities Council, STFC. The modulators will be installed in the new compact linear accelerator at Daresbury Laboratory in Cheshire, UK. Pulse quality and delivery capability were the most important criteria in the selection of ScandiNova as the supplier. Deliveries are expected to take place in end of 2017.

CLARA (Compact Linear Accelerator for Research and Applications) is a new light source test facility to be constructed at Daresbury Laboratory. The CLARA project aims to build on existing experience in free electron lasers and the test facility is dedicated to the production of ultra-short photon pulses of coherent light with extreme levels of stability and synchronization

The order covers design, manufacture, delivery, installation and commissioning of two Klystron modulators (K300). Each modulator will deliver at least 20 MW RF peak power to the conducting S-band TDC cavities.

Highest scores on voltage flatness, reproducibility and delivery time

The ScandiNova pulse modulators received the highest possible scores on voltage flatness and voltage reproducibility, key pulse quality parameters, all of which is made possible by the company's patented Split Core and parallel Switching Solid State Technology. ScandiNova also received the highest score on delivery time, another crucial parameter. Thanks to the K-series modular design, ScandiNova has the ability to produce customized systems in a relatively short period of time.

- We are honored to receive this prestigious order from STFC and to contribute to the development of free electron lasers, says Mikael Lindholm, Senior Vice President, Sales&Marketing at ScandiNova Systems.

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ScandiNova

About ScandiNova

ScandiNova is by its break-through technology a world leader in development and production of Pulsed Power Systems with high power levels. The product range covers pulse modulators, generators, turn-key radio frequency (RF) systems and electron guns. All with Solid State technology.

The solutions have a key function in several scientific applications, radiotherapy, cargo inspection, non-destructive testing, industrial X-ray, sterilization and in other industrial applications.

More than 95% of the production is exported to clients in 33 countries, mainly in Europe, Asia and North America. ScandiNova Systems AB, a spin-off from Scanditronix, was founded in 2001, by people with long commercial and technical experience in pulsed power applications. The company has its head-office in Uppsala, Sweden with 60 employees and sales representatives in each sales region over the world.

About Science and Technology Facilities Council (STFC)

STFC is a world-leading multi-disciplinary science organisation, whose goal is to deliver economic, societal, scientific and international benefits to the UK and its people – and more broadly to the world.

STFC support an academic community of around 1,700 in particle physics, nuclear physics, and astronomy including space science, who work at more than 50 universities and research institutes in the UK, Europe, Japan and the United States, including a rolling cohort of more than 900 PhD students.

The organisation's large-scale scientific facilities in the UK and Europe are used by more than 3,500 users each year, carrying out more than 2,000 experiments and generating around 900 publications.

The combination of access to world-class research facilities and scientists, office and laboratory space, business support, and an environment which encourages innovation has proven a compelling combination, attracting start-ups, SMEs and large blue chips such as IBM and Unilever.

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