

## I PRODOTTI EUROTECH CONTRIBUISCONO ALLA REALIZZAZIONE DEL “SACLA”, IMPIANTO LASER A RAGGI X AD ELETTRONI LIBERI TRA I PIU’ AVANZATI AL MONDO

Amaro (UD) – July 30th, 2012 – La controllata giapponese Advanet di Eurotech ha ricevuto una lettera di apprezzamento dagli istituti di ricerca RIKEN e JASRI (Japan Synchrotron Radiation Research Institute) per il contributo alla realizzazione dell’impianto laser a raggi X ad elettroni liberi (XFEL: X-Ray Free Electron Laser) denominato “SACLA” (acronimo per SPring-8 Angstrom Compact free electron Laser), che è diventato pienamente operativo quest’anno.

SACLA permette l’emissione di radiazioni luminose che sono impiegate per il progresso delle scienze di base ed applicate in molti settori, tra cui: analisi della struttura delle proteine, nanotecnologie, cattura di immagini ad altissima velocità, biologia cellulare e interazione materia-antimateria.

Advanet, uno dei primi collaboratori al progetto, ha partecipato allo sviluppo del sistema di controllo dell’acceleratore dello “SPring-8”, il più grande sincrotrone di terza generazione al mondo. Advanet ha fornito piccole quantità di schede analogiche ad alta velocità e schede di elaborazione per l’impianto per 15 anni. Non sono stati divulgati ulteriori dettagli.

Riferimenti: SACLA <http://xfel.riken.jp/eng/index.html>

## EUROTECH PRODUCTS CONTRIBUTE TO SACLA, A WORLD LEADING X-RAY FREE ELECTRON LASER FACILITY

Amaro (Italy) – July 30th, 2012 – Eurotech Japanese subsidiary Advanet received a letter of appreciation from RIKEN and JASRI (Japan Synchrotron Radiation Research Institute) for their contribution to the construction of the X-Ray Free Electron Laser (XFEL) facility, 'SACLA' (SPRING-8 Angstrom Compact free electron Laser), which went into full operation this year.

SACLA enables the emission of light waves that are employed for the advancement of basic and applied science in many areas, including: Protein Structure Analysis, Nanotechnology, Ultra-High Speed Imaging, Cellular Biology, and Matter-Antimatter interaction.

Advanet, one of the first contributors to the project, participated in development of the accelerator **controller of 'SPRING-8,' the world's largest third-generation synchrotron research facility.** Advanet has been delivering small quantities of high-speed analog boards and CPU boards to the facility for 15 years. No further details have been disclosed.

References: SACLA <http://xfel.riken.jp/eng/index.html>

#### About Eurotech

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