Press information

To download a 300dpi print quality image, go to [parkfield.co.uk/verotec\_us/ess-print.jpg](http://www.parkfield.co.uk/verotec_us/ess-print.jpg)

To download a Word file of the text, go to [parkfield.co.uk/verotec\_us/ess.docx](http://www.parkfield.co.uk/verotec_us/ess.docx)

To view all Verotec press information, go to [parkfield.co.uk/verotec\_us/](http://www.parkfield.co.uk/verotec_us/)

**Verotec helps ESS Sweden prepare for scientific breakthroughs**

**Released July 23, 2018**

The European Spallation Source (ESS) is a European Research Infrastructure Consortium (ERIC) multi-disciplinary research facility based on the world’s most powerful neutron source. Once operational in 2023, the facility will enable scientific breakthroughs in research related to materials, energy, health and the environment. It is under construction in Lund, Sweden, with its associated Data Management and Software Centre (DMSC) based in Copenhagen, Denmark. Verotec have supplied modified [IMRAK and VERAK](http://www.verotec.co.uk/racks-accessories-c-9.html) EMC cabinets for use in research and development laboratories in Lund.

Large amounts of radiated energy will be generated when the target is exposed to the neutron beam. Accordingly, the IMRAK and VERAK units feature a galvanized conductive finish throughout the interior of the cabinet to improve the EMC shielding performance. The large amount of data processing in the cabinets means that heat dissipation, estimated at 40kW per cabinet, will also be another significant consideration, so the 800mm wide units are customized with the 19 inch mounting area offset to the left from the centre of the unit to provide a 200mm wide channel on the right hand side. This space has been configured to enable custom air/water heat exchangers to be mounted directly into each cabinet.

Verotec’s Marc Harvey said, “We have supplied many modified IMRAK cabinets and other electronic packaging to research facilities around the world. For example we have recently supplied the Diamond Light Source UK national synchrotron science facility with customized [KM6-HD-based](http://www.verotec.co.uk/subracks-c-1.html) EMC screened systems. We are pleased that our expertise in modifying our standard product platforms is recognized and appreciated by the scientific community.”

\*\*\*Ends: body copy 261 words \*\*\*

**Notes to editors.**

For further information:

Marc Harvey

Verotec Inc  
150 Zachary Road, suite 6

Manchester, NH 03109  
Ph 603.821.9921

Fax 603.821.9923  
[sales@verotec.us](mailto:sales@verotec.us)

[www.verotec.us](http://www.verotec.us)

Agency contact:

Nigel May

Parkfield Communications Limited

Parkfield House

Damerham

SP6 3HQ

tel: + 44 (0)1725 518321

fax: + 44 (0)1725 518378

[nigel.may@parkfield.co.uk](mailto:nigel.may@parkfield.co.uk)

[www.parkfield.co.uk](http://www.parkfield.co.uk)