

RTDS^{®4} Racks Ordered

We have placed the order for the first RTDS[®] racks. These will be delivered in August 2015, when we will set up a demonstrator to test our IT infrastructure.

LCNI Conference

This year's LCNI Conference will be held at the ACC Liverpool on 24th-26th November 2015.

We invite you to visit us at our dedicate stand at this event.

The Low Carbon Networks & Innovation (LCNI) Conference is the leading event for sharing network innovations; please see their web site for more information: www.lcniconference.org

This is the second newsletter for The National HVDC Centre, which aims to keep stakeholders informed of our progress and developments.

In this edition, we focus on establishing a new forum for Operators of HVDC schemes, the resourcing of the Centre and our RTDS[®] Demonstrator.



Photographs of
The National HVDC Centre site
(June 2015)



The National
HVDC Centre

Operators' Forum

We believe there is an opportunity for HVDC schemes in GB to learn from each other on the practicalities of planning, implementing and operating HVDC schemes – and we plan to facilitate this through the creation of a new Operators' Forum.

If you are operating or developing an HVDC scheme in GB, we would like to invite you to our inaugural forum session on 8th October at the PNDC¹ (which is opposite our Site in Cumbernauld).

In GB, we have 17 current and planned embedded HVDC links² and interconnectors³, we hope to

facilitate the knowledge sharing between these projects/schemes:

- Four Current HVDC Interconnectors (IFA, Moyle, BritNed & EWIC);
- Two Embedded links under constructions (Western Link and Caithness-Moray Scheme);
- Four Planned embedded links (Western Isles, Shetland, Eastern Link, Wylfa-Pembroke); and
- Seven Planned Interconnectors (NEMO, ElecLink, IFA2, NSN, NorthConnect, Viking Link & FABLink).

Vicky Gilford
Communications Manager

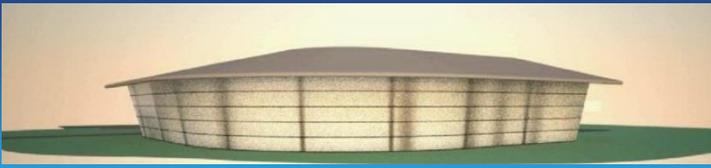
Notes:

¹ PNDC: Power Networks Demonstration Centre (www.strath.ac.uk/pndc)

² Source: National Grid's Electricity Ten Year Statement (November 2014)

³ Source: National Grid's Interconnector Register (13 May 2015)

⁴ RTDS[®]: RTDS Technologies (www.rtds.com)



Our People

Key to the success of The National HVDC Centre will be the talented people employed at the Centre. They are expected to include:

- Centre Manager;
- Training & Knowledge Manager;
- Business Developer;
- Project Coordinator;
- IT Engineer; and
- Simulation Engineers.

People

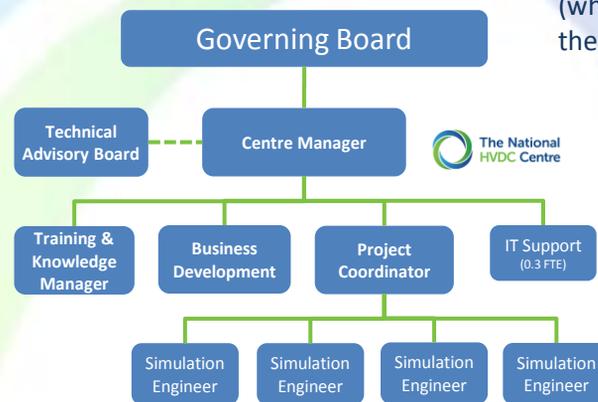
The Centre will employ specialist resources to undertake studies and deliver training at the Centre.

Such specialist resources are scarce, so we are proactively seeking suitable people, and starting the recruitment process early.

We will phase our recruitment, and look forward to starting to build the team later this year.

If you are interested in joining The National HVDC Centre team, please email us on info@hvdccentre.com, or visit us at our LCNI Conference stand (where we will have further details on the posts).

Simon Marshall
Project Manager



Demonstrator

The RTDS® Demonstrator will include all the key elements of the simulation workstation, including:

- 1 RTDS® Rack (with 5 x PB5 Cards);
- Desk-top computer;
- RSCAD Simulation software;
- 3-4 linked monitors;
- Variable-height desk; and workstation chair.

RTDS® Demonstrator

It's 20 months to go until The National HVDC Centre opens, however the work to set up and test the computer infrastructure is about to start in earnest.

Our first RTDS® simulator cubicle is being delivered next month and we have also ordered a high spec desk-top computer, monitors, control room desk and the simulation software.

This will enable us to replicate the simulation workstations that will be in the Centre; with these in place we can start to test IT integration and cyber security, along with familiarising ourselves with the practicalities of using the RTDS® simulator.

We will be showing the technical capabilities of our RTDS® Demonstrator at the LCNI conference in Liverpool on the 24th – 26th November.

Colin Cameron
ICT Engineer

