

## The National HVDC Centre

### Call for Research Proposal Abstracts

**Call type:** Invitation for Proposal Abstracts

**Deadline for Submission:** 5pm on 21<sup>st</sup> December 2018

#### 1. Overview

The National HVDC Centre is seeking proposals from UK academic institutions, to support its objective of de-risking the deployment of HVDC on the GB network.

To ensure an efficient process, we are asking for short proposals abstract (aligned with the Direction provided below). We will assess these abstracts against criteria (described below), and then invite the selected proposals to be developed into full proposal.

We will assess the full proposals against the same criteria and aim to commence the project in April 2019; we expect the projects to be completed within 2019-20 financial year (though extensions of up to one year are possible).

#### 2. Direction

**To provide some direction on the proposals that we would look to fund:**

All proposals **MUST** be related to the deployment of HVDC in Great Britain.

All proposals **MUST** benefit the GB Electricity Network (directly or indirectly) **OR** support the work of the HVDC Centre.

All proposals **SHOULD** address at least one of the following (however other HVDC related proposals will be considered):

- Support the Planning of HVDC schemes;
- Improve Requirements Specification of HVDC schemes;
- Facilitate Multi-Terminal HVDC Solutions;
- Facilitate Competition and Multi-Vendor HVDC schemes;
- De-risk control interactions between multi-terminal, co-located and electrically connected converters, and with other actively controlled equipment;
- Optimise the operation, protection and control of HVDC schemes; or

- Model New HVDC Technologies.

There is a strong preference for any proposed project to utilise Real-Time simulation (preferably using RSCAD/RTDS®).

We encourage proposals which encourage collaboration with the HVDC Centre's facilities and staff.

*Note: where there is a strong proposal, but funding through the HVDC Centre is not appropriate, we would advise on and support other funding opportunities.*

### 3. Submission or Proposal Abstracts

A single 'word' or 'pdf' document per institution should be submitted to [info@hvdccentre.com](mailto:info@hvdccentre.com) by the deadline.

The document may contain a single Proposal Abstract or many Proposal Abstracts.

Each Proposal Abstract should be a maximum of 1 page and contain:

- Title;
- Problem Statement;
- Method Statement; and
- Outputs/Deliverables.

Both consortium or single institution bids will be considered.

Projects are expected to start by April 2019, and are expected to last between 4-12 months.

### 4. Evaluation Procedure

Proposals will be assessed by an internal technical review panel.

The evaluation criteria will be: potential benefit for the GB Electricity Network, potential benefit for the HVDC Centre, overall quality, appropriateness of proposed method and relevance of the outputs.

## 5. Engagement with The National HVDC Centre

Successful bidders are expected to conduct their research project with direct involvement of the HVDC Centre staff, including:

- Engage throughout their project with the HVDC Centre (including potentially verifying models using the HVDC Centre's facilities);
- Where appropriate, ensure that models developed are open-access;
- Output should be able to be published; and
- Participate in dissemination meetings and other outreach activities.

## 6. Key dates

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|---|--------------------------------|
| • Issue Call for Proposal Abstracts                                   | 22 <sup>nd</sup> November 2018 |
| • Deadline for Submitting Abstracts                                   | 21 <sup>st</sup> December 2018 |
| • Invite Successful Abstracts/Institutions to submit Full Proposal(s) | 11 <sup>th</sup> January 2019  |
| • Deadline for Submitting Full Proposals                              | 1 <sup>st</sup> February 2019  |
| • Successful proposals notified                                       | 15 <sup>th</sup> February 2019 |
| • Funded research commences (target date)                             | 1 <sup>st</sup> April 2019     |

## 7. Contact Details

For questions and enquiries, please contact:

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