

RCNDE

UK RESEARCH CENTRE IN NDE

Inspection
Technology
for the 21st
Century

70 UK &
international
companies

+

8 Leading
universities

+

Cutting-edge
research

=

A world-class
centre



Industrial Membership

- ✓ **Priority access to emerging technologies**
- ✓ **Value-for-money shared research funding**
- ✓ **Access to top-class doctoral students**
- ✓ **Steering of the research programme**
- ✓ **Access to state-of-the-art facilities**
- ✓ **Networking and collaboration opportunities**

RCNDE membership Categories

Full members: £42k per year.

Our full members are end-users of the technology currently spanning eight different sectors, from aerospace to manufacturing and public sector, where healthy safety critical systems are of paramount importance. Full members possess RCNDE board member full voting rights and help to steer the research programme to meet company strategic objectives. The current industrial members are: Airbus, Rolls-Royce, EDF, BAE Systems, ONR, NNL, DSTL, BP, Shell, Jacobs, Hitachi, Petrobras, IHI and Tenaris.

Associate members:

The NDE supply chain is a vital element for successfully transferring technological advances arising from university research to their eventual practical application in industry. The Centre offers associate membership to all parts of the NDE supply chain, with a flexible fee structure based on the size of the organisation, starting at £100 for small organisations with fewer than 10 employees, £300 for fewer than 50 employees, and £1,000 for up to 250 employees. The annual fee for larger organisations is £5,000.

Non-profit members:

Open to organisations that perform roles related to fulfilling national objectives for steering and supporting the NDE research and technology translation in a specific sector or across multiple sectors. These organisations are expected not to be explicitly deriving commercial benefit from their activities but would be active players in providing advice on industrial vision & research direction, strategic links and access to collaborative technology-transfer programmes. Qualifying organisations for this membership category possess RCNDE board member full voting rights. Fees can be paid in cash or in kind, and amount to 50% of the full industrial membership fees.

For details on the benefits offered by each type of membership please contact the RCNDE Centre Manager, Maria Arias: maria.arias@bristol.ac.uk

The Centre

Industries of the 21st century face ever more challenging requirements to achieve greater integrity and safety performance, and adopt new materials and designs. Novel NDE technologies are often crucial to making this possible.

RCNDE is a collaboration between industry and academia to coordinate research into NDE technologies, and to ensure research topics are relevant to the medium to longer term needs of industry. The Centre was founded in 2003 and co-funded by the UK Engineering and Physical Sciences Research Council (EPSRC), and its industrial membership, represented by the NDE Research Association (NDEvR). RCNDE has a linked Centre for Doctoral Training in Future Innovation in NDE (FIND-CDT), which is co-funded by EPSRC and industrial members.

Industrial and academic members together select longer-term core research topics, which are aimed at addressing industry's strategic NDE needs over a 20-year horizon, and also targeted research projects to address specific industrial needs in the near to medium term.

Research portfolio

Current strategic research and application-driven targeted research programmes address the industrial members' future vision for NDE. This includes novel techniques, sensors, data capture and processing, and advanced automated and miniaturised delivery systems. All are aimed at underpinning the future of a wide range of industries spanning processing, manufacturing and infrastructure-based industries.

Research falls into these categories:

- Strategic core research to develop new technologies to build long-term industrial strength
- Portfolio of targeted research projects to meet ongoing application and development needs of industry
- Feasibility & technology transfer initiatives
- Engineering Doctorate and PhD research

RCNDE – Phase 4

There now exists a pipeline of over 90 RCNDE technologies currently ranging from TRL3 to TRL9 and RCNDE has expertise in transitioning NDE technologies into a variety of industry sectors. RCNDE4 is an ambitious combination of its traditional TRL1 to TRL3 academic research with a TRL4 to TRL6 technology-transitioning programme. RCNDE4 also covers a broader range of industry sectors and the board are keen to hear from end-users of NDE in any sector.

For further information about membership of the Research Centre in Non-Destructive Evaluation, please contact:

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Find out more about the benefits of becoming an RCNDE member at: www.rcnde.ac.uk