National Centre for Nuclear Robotics (NCNR)

The NCNR Hub is a £42million initiative, funded in approximately equal shares by: (i) EPSRC; (ii) participating research institutions; (iii) in-kind support from industry, national labs and other stakeholders; (iv) RAI investment specialists.

The NCNR originally comprised eight research institutions geographically spread throughout the UK. It is now expanding to 11 research organisations, via our Flexible Partnership funding initiative, and we hope to inclusively add more partners in future.

All of this research work is motivated by practical use-case scenarios, developed in collaboration with industry end-users. For each of these use-case scenarios we are developing a variety of both active and inactive plant-representative testing environments. It is expected that our ideas and plans will evolve as the project progresses, and we welcome feedback and suggestions and ideas for new research topics from our industry collaborators.

NCNR Priorities

`https://www.ncnr.org.uk`

The National Centre's priorities include:

1. Deliver fundamental low-to-medium Technology Readiness Level (TRL) robotics and AI research advances, creating a portfolio of emerging technologies to feed into and support the medium-to-high TRL InnovateUK "Innovation" and "Demonstrator" projects of the Industrial Strategy Challenge Fund which are being run concurrently with the EPSRC Hubs.
2. Engage directly in technology transfer from day 1 of the Hub, through continuous collaboration with our major industry end-users and investment partners.
3. Collaborate inclusively with other Hubs and also non-Hub institutions, to ensure flexible and fruitful engagement with the best of academia and industry, both nationally and internationally.