



# Advanced Simulation Research Centre

## Making research more effective

As technology continues to develop, the challenge of ensuring compatibility with the latest hardware & software configurations, compliance with user requirements and optimisation for the widest range of applications becomes increasingly challenging.

The Advanced Simulation Research Centre (ASRC) contains the cutting-edge facilities required to allow effective collaboration between hardware and software providers, system integrators and end-users. The IT infrastructure is housed in an inspiring environment designed to encourage innovation and help to create the next generation of integrated technologies.

## Showcasing new technologies

ASRC is the ideal location to develop and demonstrate new technologies. With a diverse customer base and flexible IT infrastructure, the centre provides a perfect venue to showcase the latest innovations.

We encourage the deployment of demonstration software or hardware within the facility for users to try before purchasing, and are also well equipped to house interactive demonstrations or teaching seminars.

## Informing investment decisions

Determining where to invest is a difficult decision facing all companies who use simulation tools. There is a broad range of hardware and software options available, each having different levels of integration, features, specialisms and prices.

In today's competitive marketplace, it is rarely possible to test a range of technology options in a safe IT environment prior to investing. All too often this can result in unforeseen deployment issues and a constraint to use toolsets which may not be optimised for the given application.

ASRC provides a flexible IT infrastructure to demonstrate and test new and emerging technologies prior to full-scale deployment into a production environment. Examples of how ASRC can help you to make more informed investment decisions include:

- Evaluating or benchmarking new software & hardware options before purchase
- Testing emerging technologies ahead of wide-scale release
- Testing compatibility and system integration

## Providing cutting-edge facilities

The state-of-the-art facility challenges our perceptions of a traditional working environment, with the following areas available to support collaboration, research and demonstrations:

- In-house HPC capability
  - IBM iDataPlex 240 node cluster (2 x 6-core Nehalem processes, providing 2,880 available cores)
- IT Lab
  - Houses specialist infrastructure to accommodate a wide range of IT systems for hardware and methods development
- Visualisation Suite
  - Containing an adaptable HD visualisation wall with accommodation for system demonstrations and user feedback
- Integration Suite
  - High specification computation and visualisation facilities, supported by advanced connectivity, for online system development and integration
- Open working areas
  - Hot-desking and touchdown-desking for co-location of research teams
- Private working areas
  - Ideal for housing more sensitive research activities
- Meeting rooms and conference facilities
  - We have a range of rooms to accommodate between 2 and 80 delegates
- Ample parking and catering facilities

## Contact

The centre is available to all interested parties. For further information on our facilities, or for a no-obligation quote, please contact CFMS.

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