

Press Release

Macquarie Telecom to power Intersect's big data research with supercomputer hosting

Sydney, 9 April 2013: Macquarie Telecom (ASX: MAQ), Australia's number one [Managed Hosting](#) and business-only telecommunications company, will host a research-dedicated supercomputer in its Intellicentre 2 data centre as part of a new deal with e-research services organisation Intersect Australia.

The deal will see Intersect operate "Orange", a SGI High-Performance Computing (HPC) system, out of Intellicentre 2, with Macquarie Telecom providing both high-density co-location and hosting services necessary to power and cool the 30-plus teraflops of processing power offered by the supercomputer. The HPC resources will be used for data-intensive research by multiple Australian universities into fields including genetic sequencing, clean energy production, and simulation of tropical cyclone formations.

"Hosting these sorts of computing resources in this country is essential if we want Australian research – and the sizable socio-economic advantages it entails – to thrive in an increasingly competitive global landscape," said Professor Mary O'Kane, NSW Chief Scientist & Engineer. "While we're among the leaders of scientific discovery in several fields globally, we need to escalate our commitment if we want to ensure valuable discoveries continue in the ensuing years: this deal represents a best-case situation where all elements of computing, infrastructure and funding have combined to move that commitment forward."

"This investment marks a significant milestone on Intersect's infrastructure roadmap to boost the calibre of home-grown science and research with high-performance and elastic computational capacity," said Dr Ian Gibson, CEO, Intersect Australia. "Being able to host two world-class supercomputers would be a challenge for most infrastructure environments, but we're convinced that Macquarie Telecom's data centre architecture and expertise can support the research priorities of Australian universities for many years to come."

Intersect will offer time-sharing of the HPC resources "as a Service", between different universities, predominantly using the system for "big data crunching", and providing the fundamental resources for data-intensive projects in 11 major Australian universities including the University of Sydney and University of New South Wales.

"SGI works with many data centre operators around the world. Macquarie Telecom has shown the flexibility and expertise which Intersect and SGI require to support this important research infrastructure in a world-class facility," said Nick Gorga, General Manager, SGI Asia Pacific.

"We're proud to work with Intersect to provide the foundation for cutting-edge research in our universities, part of Macquarie Telecom's longer-term commitment to providing in-country infrastructure that supports Australian business growth and opportunities," said Robert Kaye, Chairman, Macquarie Telecom. "We're particularly looking forward to seeing how these

projects in a range of research disciplines drive innovation and quality-of-life improvements in the not-so-distant future.”

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About Macquarie Telecom

Macquarie Telecom is Australia's number one integrated Managed Hosting, Cloud and Telecommunications Company. Working with and supporting some of Australia's best-known organisations, Macquarie Telecom delivers a full range of Hosting, Data, Voice and Mobile services specifically to the business and government market. Macquarie Telecom is a full service hosting provider offering managed dedicated servers, managed co-location, and managed private, hybrid and public clouds. Our fully owned, Australian based data centres are the most secure and accredited data centres in Australia with ISO27001, PCI Compliance, DSD Gateway and ASIO Intruder Resistant accreditation. Macquarie Telecom's offerings are underpinned by world-class customer care which is delivered by our fully owned and managed customer service centre, MacquarieHUB. Macquarie Telecom is best placed to help transition organisations to the new online NBN era.

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