Intellicentre 2 Fact Sheet

About Macquarie Telecom

- Founded in 1992, Macquarie Telecom (ASX:MAQ) is Australia's number one Managed Hosting and business-only telecommunications company.
- It is an Australian-based and ASX listed public company that stores data onshore, ensuring it is protected by Australian law
- Macquarie Telecom has one of the highest possible security ratings and accreditations and is the service chosen by Government Departments and businesses to store email and other data.

Intellicentre 2 Green Credentials

- The $60million Intellicentre 2 (IC2) facility is one of the greenest data centres in Australia
- IC2 is designed to a power usage effectiveness ratio (PUE) less than 1.3 compared to 2.0 or more for a traditional in-house data centre
- For every kilowatt used to power a server in a traditional in-house data centre, at least an additional kilowatt is needed for cooling. At IC2 only 0.25 kilowatt is needed for cooling
- Uninterruptible power supply is delivered through diesel rotary back-up generators, avoiding the chemical waste (e.g. acid and lead) produced by batteries
- Low water use is delivered through grey water recycling and the use of air-cooled chillers, rather than cheaper cooling towers that require large amounts of water
- Variable speed fans reduce wasted power when running at low loads, high thermal efficiency concrete construction, cold aisle containment as you only have to cool the cold aisle instead of the whole hall, and an 800mm raised floor ensure efficient cooling.
- Rainwater is harvested and captured in 100,000 litre tanks and is then used in operating the facility
- Highly efficient and creative lighting activates only when the space is occupied.

Security

- Macquarie Telecom facilities are highly accredited for managing information security in Australia, meeting compliance standards set by ASIO and the Defence Signals Directorate, and the Payment Card Industry
- IC2 meets and has been certified to ASIO T4: Intruder Protection standards
- IC2 meets and has been certified to ISO 27001: Information Security Management. This demonstrates IC2 security processes meet the highest standards, have been audited, and will continue to be audited.
- The gates are strong enough to stop a speeding car, the foyer consists of ballistic grade glass and the data halls are secured by a mantrap that can only be opened with a security pass, a fingerprint scan and a security code
- Access and perimeters are CCTV-monitored, as well as IC2's interior
- Monitored alarm system of all doors, plant rooms etc 24/7.

Resilience

- IC2 is the first Australian data centre to receive Tier III Design Certification from the Uptime Institute. This means it has uninterruptible power supply, is completely protected against power outages, brownouts and surges, and can be maintained and repaired without ever going offline
- IC2 is located near the NBN interconnect and is well connected to local carriers
- The power coming into the facility is smoothed to avoid any peaks
- The facility is carrier agnostic, which means that if you ever change carriers you don't have to change data centres.

Facility features

- $60m, 20,000sqm facility
- Located in Macquarie Park, 15km from the Sydney CBD
- Uptime Institute Tier III Design certified
- ASIO T4 Intruder Resistant
- World-leading target PUE of <1.3
- 8MW total capacity
- Leverages highly efficient and reliable DRUPS (diesel rotary uninterrupted power supply) in a N+1 configuration
- 24x7 staffing: onsite security and Network Operations Centre (NOC)
- Client lounge and meeting rooms
- Sizes to fit every customer need – racks, PODs, cages, data halls are all available
- Site fully owned and operated by ASX-listed Macquarie Telecom which has over 10 years operational experience running data centres
- Officially opened by the Hon Julia Gillard MP, Prime Minister of Australia in September 2012