

Monash University New Horizons Centre Case Study



Client	Monash University
Value	\$175m
Location	Clayton, Victoria
Duration	2009 - 2013
Service	Project Management

Developed in partnership by Monash University and the CSIRO, the New Horizons Centre at Monash University is an iconic and world class research facility bringing together researchers working in distinct, yet related fields of world leading research and learning to stimulate creativity through innovation.

Co-funded by the Australian Government through the Education Investment Fund, the New Horizons Centre collocates and

integrates in excess of 300 Monash University and 150 CSIRO staff supported by state of the art information and communication technology.

New Horizons harnesses new paradigms for learning and research and build capacity at Monash University in biomedicine, transport, aerospace, renewable energy, mineral processing, future manufacturing, multi scale modeling, renewable energy, simulation and visualisation and expand e-research into high performance computing. New Horizons accommodates a critical mass of academics, research fellows, researchers and PhD students needed to prosecute large-scale interdisciplinary research across several research

themes incl. :

- future materials for energy conversion, storage and systems sustainability;
- development of the next generation of computer aided virtual environments;
- manufacture materials and processes for advanced manufacturing; and
- advance biomedical materials, devices and systems

The building comprises of 20,000m2 of high end computer laboratories, PC2 laboratories, offices and teaching and training facilities, dedicated industrial laboratories and skills bays, physics laboratories, the Monash Immersive Visualisation Platform (CAVE2) and supporting meeting and conference facilities.



One of the greatest challenges of the project was Monash University's desire to achieve a 6 Star As Built (Education) certification – which was achieved on completion (82 credits).

Johnstaff was appointed as Project Manager to lead the full design and implementation of the project. Initially responsible for testing the approved budget and engaging design consultants, we led the project through an exhaustive briefing process with a range of stakeholders and future users. We fast-tracked the design and construction of a series of early works packages in order to derisk the project, and ensuring our client met the Commonwealth's program requirements. Having completed a procurement study to identify the most suitable procurement model consistent with our client's needs and risks, we managed the preparation of tender documentation and procurement of a Managing Contractor, contract administration and the successful staged completion, commissioning and handover to our client.

Although the project was delivered through Monash University, the CSIRO is an important research entity in this facility, and reinforces the importance of creating a collaborative environment in which scientists can interact, exchange information and explore new ideas in partnership with other industry entities that fosters collaboration, enduring relationships and facilitates greater linkages with business and the community.