

**DANIEL HANSEN**  
**Senior Design Engineer**

*Bachelor of Engineering with Honours (Civil)/ Bachelor of Science (Physics)*  
*James Cook University (2007)*  
*Registered Professional Engineer of Qld, 15948*  
*MIE Aust, CP Eng, NER (Civil & Structural)*

**PROFESSIONAL EXPERIENCE****Project Types**

*Residential Buildings*  
*Educational Facilities*  
*Commercial Buildings*  
*Industrial and Warehouses*  
*Mine Facilities*  
*Condition Reports*  
*Refurbishments*  
*Finite Element Modelling*

**Skills**

*Problem solving*  
*Conceptual and preliminary design*  
*Structural design*  
*Design coordination*  
*Project management*  
*Investigation and reporting*  
*Site supervision*

**Inductions**

*General Safety Induction (White card)*

**LCJ ENGINEERS PTY LTD**

**Senior Design Engineer 2014 – Present**  
**Graduate Design Engineer 2008 - 2012**

Daniel is a technically minded and practical engineer with a range of experience in residential, commercial and industrial construction projects. Daniel's enthusiasm for engineering and excellent communication skills leads to his ability to undertake multidisciplinary projects from proposal to completion, under pressure and under budget.

Daniel's key responsibilities at LCJ Engineers include the preparation of proposals, attending stakeholder meetings, coordination of consultants, schematic and detailed design, management of the preparation of technical documentation including drawings and reports, and field supervision of construction activities through to completion.

**Townsville Hospital and Health Service (THHS) Additional Works Projects, Design and Administration Phases** – This current project is an amalgamation of several separate projects which are predominately fitout and refurbishment on a Brownfield site as well as a small single storey Brownfield construction. The projects are being delivered around an operational hospital environment.

Significant consideration has been given to constructability with a thorough investigation and audit required at the start of the project to accurately identify existing services and structure that may impact on the new designs. An in-depth understanding of the existing functionality and systems in place at the THHS has been required to ensure that the new projects will successfully integrate with the existing.

**THHS Medical Imaging Upgrade DSA1 and MRI2** – This project involves the installation of a Digital Subtraction Angiography (DSA1) machine and installation of an additional Magnetic Resonance (MR2) machine in accordance with the Medical Imaging Department Master Plan (2016).

Significant consideration has been given to constructability with a thorough investigation and audit required at the start of the project to accurately identify existing services and structure that may impact on the new designs.

**THHS Cardiac Ward Additional 2x1 Bedroom Patient**

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**Facilities** – This project involved the refurbishment of three (3) North Block level 1 existing spaces. New floor drainage to suit the reconfiguration was required.

**THHS Level 2 Hybrid Theatre Floor Strengthening** – The Townsville Hospital and Health Service (THHS) are in the early stages of planning a refit of the Level 2 space, above the current Renal fitout, with either a new Bi-Plane DSA machine or MRI machine or both. The machine/s will be supported by the existing suspended concrete slab, and preliminary review of the existing structural drawings indicated that slab strengthening work was required.

**CT Scanner, Charters Towers Hospital** – This project involves the installation of a CT scanner at the Charters Towers Hospital. The new building is to house a CT scanner, reception and have sufficient spatial allowance for associated services. The building was to be slightly elevated with ramp access. Civil works are required for new realigned footpaths and stormwater.