

CASE STUDY | IRWINCONSULT

**DESIGNING A 116-BED HOSPITAL
WITH AUTODESK A360
COLLABORATION FOR REVIT (C4R)**

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Even the smallest design projects require effective communication to run smoothly. When designs are constantly updated and need to be shared and accessed by a number of offices, the importance of collaboration is stressed further.

When Irwinconsult undertook a \$150 million project providing civil, building and structural services to design the Palmerston Hospital in Darwin, they turned to Cadgroup and Autodesk A360 Collaboration for Revit (C4R) to address their need for seamless communication.

What were the primary causes that led to choosing C4R?

Frank Arcuri, BIM Leader for Structural and Civil at Irwinconsult, spoke about how the need for efficient collaboration on a project with increasing amounts of data led them to C4R.

“By the time you begin and work through the project, the file size gets bigger and bigger - which is okay at the beginning but every discipline is modelled out of one big, central linked file,” he said.



So what were some of the previous issues they experienced before moving to C4R?

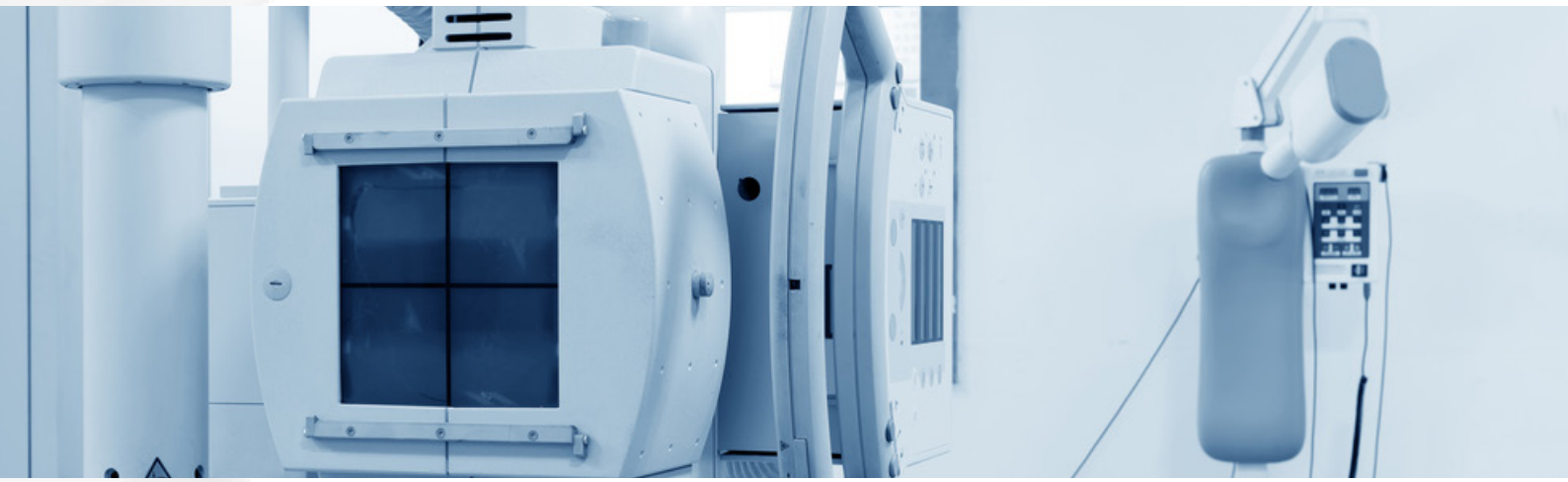
Irwinconsult looked at a number of software products, with nothing quite able to meet the mark before finding their solution in C4R.

Cadgroup assisted not only in the provision of software and licensing, but during the setup process as well.

“Our Melbourne staff were working on the project, but the model was so big it took our hydraulic team about 40 minutes to open the model. We needed something that collaborated much quicker,” Arcuri said.

Cadgroup assisted not only in the provision of software and licensing, but during the setup process as well. At the time that Irwinconsult approached Cadgroup about the implementation of the software on the project, C4R wasn't even available here - an issue that didn't prevent Cadgroup from finding the perfect design solution.

“They were very helpful on IT setting it up - Cadgroup delivered as soon as we asked the question. When we first started looking at this, it wasn't even available in Australia,” Arcuri said.



How did C4R help solve these collaboration issues?

The scope of the project is by no means small; the 116-bed hospital will integrate everything from the emergency department to in-patient and ambulatory services. The design also incorporates imaging of x-ray, ultrasound and MRI services.

Due to the scale involved, it was crucial that collaboration be seamless to maintain a production schedule. With so many different departments working and sharing data on the project, it was important for Irwinconsult that the updated files be available instantly.

“Our people link every file and all disciplines; structural, mechanical, electrical, fire and hydraulics.”

Frank Arcuri

BIM Leader for Structural and Civil at Irwinconsult

“Our people, they link every file and all disciplines; structural, mechanical, electrical, fire, hydraulics. It’s all-in-one and that includes architectural - once it’s linked it goes through very quickly.”



How is the project running now that C4R is implemented?

Cadgroup puts equal importance on all levels of a project - approaching, consulting and training.

The massive project is by no means over, with the hospital itself scheduled to open in 2018. The on-going nature of the project requires the software and models to be available no matter how large the design files become.

“Right now I know the guys are all working on it and we don’t have any problems, I don’t hear anyone saying ‘It takes 40 minutes to open up,’” Arcuri said.

“It’s live - they sync the model and then there’s no standby, no downtime. It’s just straight through, someone in Darwin could make a few amendments and it’s sitting there straight away.”

Cadgroup puts equal importance on all levels of a project - approaching, consulting and training - with expert professionalism no matter the size or needs of the project.

For Irwinconsult and the Palmerston Hospital, the future of healthcare in Darwin seems in very safe hands.

About Cadgroup

Cadgroup Australia are a customer centric company with over 27 years of history & tradition dedicated to customer success. We are the First Autodesk Value Add Reseller to achieve Platinum Status in Australia as well as a valued HP Gold Partner. With technology solutions from more than 20 strategic partners our customers view us and our services as the trusted CAD/BIM advisor to Architecture, Building Engineering, Construction, Mechanical Engineering, Manufacturing Engineering, Process Plant, Civil and Infrastructure design professionals.

Cadgroup Australia deliver innovative technology solutions to design focused industry professionals. We provide Software, Hardware, Education and Consulting Services Solution for Architecture, Building Engineering, Construction, Manufacturing, Mining, Process, Energy, Treatment and Infrastructure industries.

Our core expertise stretches across various industry sectors which include Building Information Modelling, Digital Prototyping, Design Process Automation, Document Management, Digital Simulation and Analysis, Plant Design and Data Management. We believe in delivering design technology solution with a sense of trust, friendliness and value.

Investing in technology has to be an informed decision. Our aim therefore is to create value through providing critical information in time to our customers so they can make informed buying decision.

We believe to be the trusted technology advisor/solution provider we must dedicate our efforts to customer satisfaction. If you have done business with Cadgroup Australia you will know that we accept whatever request comes our way, the only important thing to us is that we meet it with the best we have to give.



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