

PLAN. DESIGN. BUILD. MANAGE.

SUCCESS STORY ICC Sydney

ICC Sydney is a \$1.5 billion development being delivered by the NSW Government and Darling Harbour Live (comprising of Lendlease, Hostplus, Capella Capital, AEG Ogden and Spotless) as the epicentre of a 20-hectare \$3.4 billion transformation of Darling Harbour.

Opening in December 2016, ICC Sydney will be Australia's premier integrated convention, exhibition, and events destination, and will also incorporate reinvigorated and expanded public spaces.



PROJECT DETAILS :

BUDGET: \$1.5 billion

START DATE: January 2014

COMPLETION DATE: : December 2016

LOCATION: Darling Harbour, NSW, Australia

PROJECT SIZE: Approximately 165,000m²

NUMBER OF SPACES: 2500+

"The multi-user platform allows the project team to collaborate more effectively and manage a data-intensive process. The accuracy of data recording is improved as there is less risk of corruption through complicated spreadsheet transfers. This saves time and allows the project team to focus on their areas of design expertise."

The co-ordination and control of room datasheets are complex tasks. Historical methods of data administration needed intensive management under a centralised activity structure. These processes often required the transfer of complex spreadsheets which increased the risks of errors. The project team looked for a system to challenge this paradigm.

The brief was to find an easy-to-use tool that could integrate the room datasheet documentation with the BIM modelling process. The software had to be intuitive, and allow for many users to work on the content of the datasheets simultaneously. It was essential that the system did not require users to have a technical proficiency in database tools. Further, the system needed to be implemented post project briefing and post concept design phase. The timing of implementation meant that it had to be able to incorporate established project data and communicate with 3D models that were already in use. dRofus was found to satisfy these requirements.

dRofus is an easy-to-use and easy-to-deploy tool that allows a project team to delegate activities into a decentralised workflow. Specialized consultants in each project discipline are able to simultaneously work on the content of the room data sheet elements without affecting the work flows of others. The software allows for

structured security settings that can be tailored to ensure users can only modify data that is relevant to their project discipline. The design team was able to easily manage the co-ordination of the room data with the BIM model through the highly customizable Revit import/export tools.

Through an internet accessible portal, it can be used from any location with ease. The changes made are in real time so updated reports and datasheets can be produced at any time based on the most current information. Changes can be readily checked to ensure the outcomes of client feedback and signoff have been correctly captured.

The powerful templating functions allowed for a standardized approach to scheduling of room data and a control of the base content of rooms. This also allowed for rapid development of a project room datasheet baseline. The reporting functions within dRofus allowed for tracking of changes and control of workflows once these baselines had been agreed.

dRofus assisted the team in identifying inconsistencies in the project modelling by providing an easy-to-use tool for auditing data normally only accessible through project 3D models. dRofus did not require any knowledge of 3D modelling to be able to use the platform which opened it to all project team members.

ABOUT DROFUS

The leading planning and data management solution for the global building industry. dRofus is a unique planning, data management and BIM collaboration tool that provides all stakeholders with comprehensive workflow support and access to building information throughout the building lifecycle. We are committed to Open BIM and as part of the Nemetschek Group, our aim is to deliver the best possible, most innovative and most successful AECO software solutions.

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