

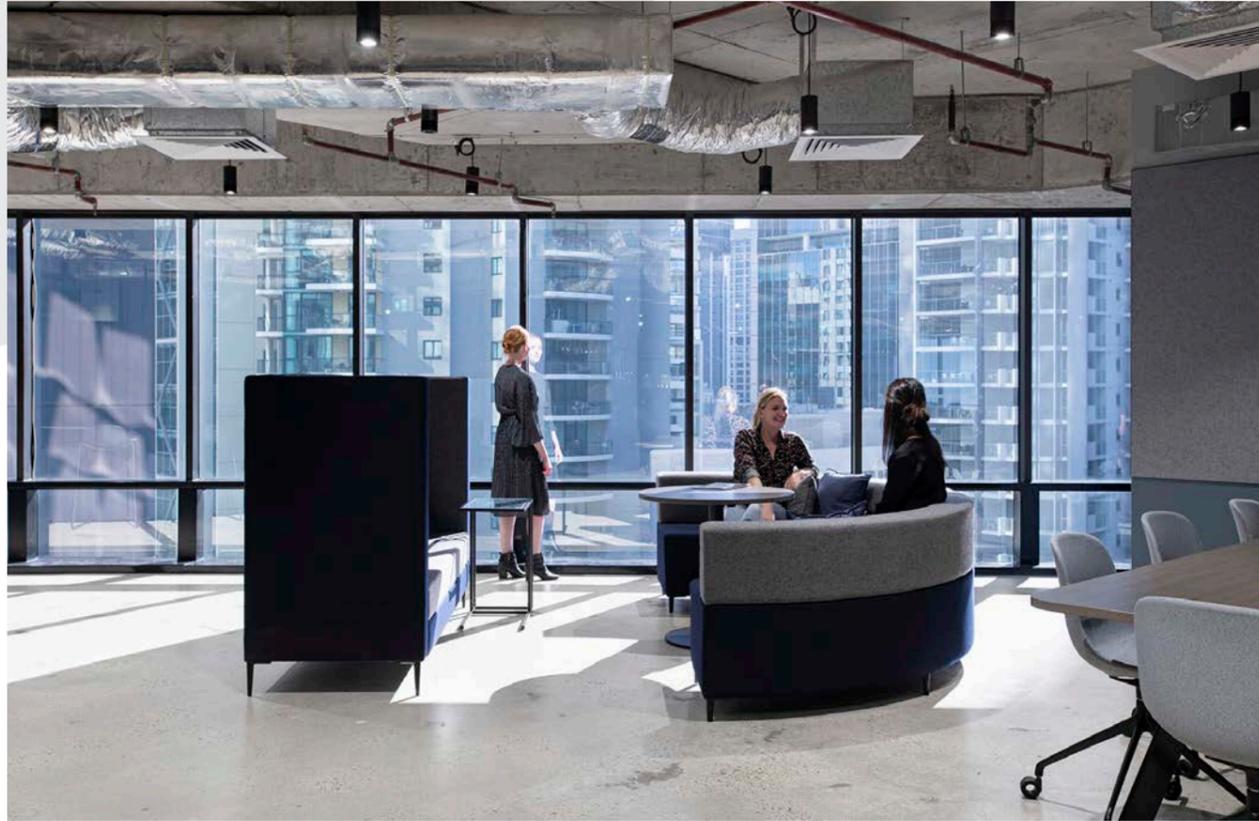


CASE STUDY

BORNHORST + WARD

GOING PAPERLESS WITH BLUEBEAM REVU

How Bornhorst + Ward downsized their office space and upgraded their collaboration



THE CLIENT: BORNHORST + WARD

Bornhorst + Ward have been operating as a Brisbane-based civil and structural engineering consultancy since 1965. Through building a strong foundation of engineering expertise, a commitment to clients and close collaboration with industry experts, they have established themselves as market leaders. They have been working on several high-profile projects including Queens Wharf, Northshore Hamilton, Yeerongpilly Green, Inner City South State Secondary College, Chester & Ella Apartments and Gladstone East Shores.

Bornhorst + Ward use Bluebeam Revu® across their business. Director Brett Taylor uses Revu to review drawings and create preliminary designs and sketches. Associate and Chief Drafter Andrew Bryant uses Revu to check drawings, review engineers' design markups and then begin the drafting and modelling stage. Senior Structural Engineer Lucinda Wawrzyniak checks drawings, marks up engineering designs and overlays architectural and other consultant drawings with Revu.

THE CHALLENGE

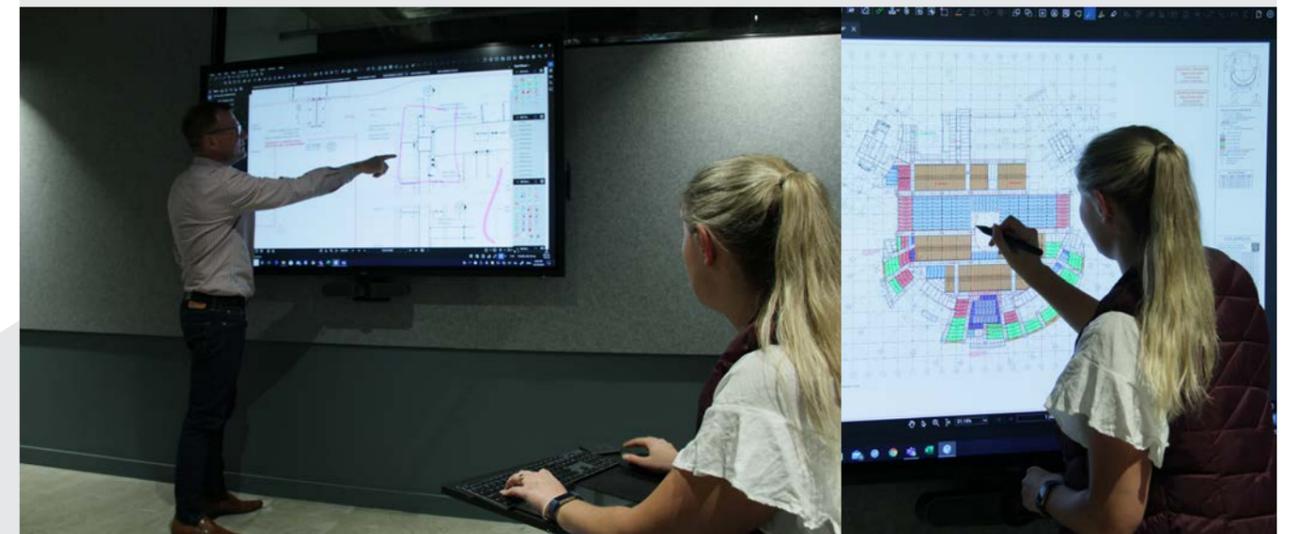
Bornhorst + Ward started using Bluebeam Revu for a variety of reasons. Previously, engineers marked up paper drawings, which ran the risk of losing copies and created difficulty in back checking.

Markups were done on multiple copies of paper drawings, so it could become difficult to determine which the latest copy was. This would lead to version conflicts and costly rework.

THE SOLUTION

Revu is used to overlay drawings to assist with design and coordination. Bluebeam sets are used to collate all civil and structural drawings on the project. The Bluebeam set is the central markup set that all project team members use to markup changes and additions to the drawings. This allows everyone reviewing the drawings to see their previous markups, whilst checking

the latest drawing. Once markups have been completed they are deleted from the drawing. Bornhorst + Ward's new office features collaborative spaces with 75 inch Dell interactive screens, where project teams are able to review designs and markup drawings. The screens enable multiple drawings to be viewed easily without the need to zoom in.

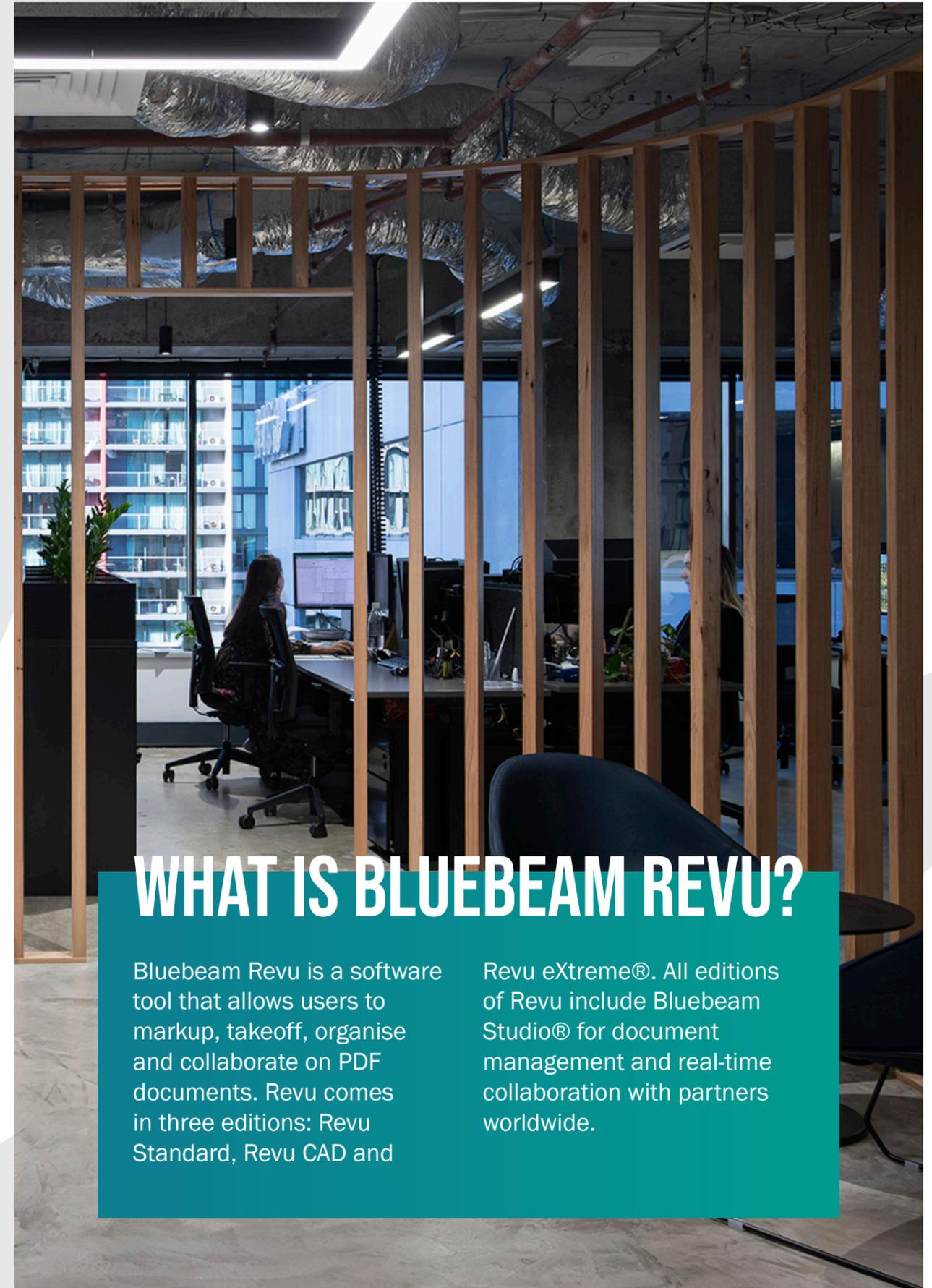




THE RESULT

Bluebeam Revu has allowed Bornhorst + Ward to go paperless while seamlessly transitioning from working in their former office, to working from home due to the pandemic, to now working in their brand new office. Eliminating paper means the office is used more effectively, with fewer square metres of floor space and more collaborative zones. Revu allows staff to effortlessly collaborate from the office, from home or remotely. By going paperless with Bluebeam, Bornhorst + Ward no longer need a wide format printer in the office. This has led to a nearly 80% reduction

in paper costs. The company issues between 2000 - 3000 drawings per month and each drawing revision would have been printed at least 4 times for checking by different team members. That is a saving of 10,000 pieces of paper per month. The new office has increased workstations by 10%, has much better collaborative spaces and reduced square footage. Using Revu means that Site Engineers and all other staff are clear on what the latest revisions are, plus they see markups in real-time. Drawings are no longer hidden under a pile on someone's desk.



WHAT IS BLUEBEAM REVU?

Bluebeam Revu is a software tool that allows users to markup, takeoff, organise and collaborate on PDF documents. Revu comes in three editions: Revu Standard, Revu CAD and

Revu eXtreme®. All editions of Revu include Bluebeam Studio® for document management and real-time collaboration with partners worldwide.

BENEFITS OF REVU

There are many benefits of using Bluebeam Revu to help deliver successful project outcomes.



KEEP TRACK OF WHO SAID WHAT

Markup at the same time together using Studio Sessions and automatically track all comments - now with a local Australian server (for Revu 20 and 2019 users) to help you meet data residency requirements.



SPEED UP DESIGN REVIEWS

Live activity feed helps improve communication across teams.



CUSTOMISE COLLABORATION PERMISSIONS

Setting permissions ensures the right people have access to the right information from the start.



MANAGE PROJECTS IN THE CLOUD

Store and manage entire projects in the cloud using Studio Projects.



IMPROVE QA/QC SPEED & ACCURACY

Automatically track edits in the Markups List and easily communicate changes for faster, more accurate quality reviews.



GET THE DATA YOU NEED, FASTER

Markups List filters allow users to quickly see the latest edits and updates.



CLOUD A2K & BORNHORST + WARD

Cloud A2K have a number of Bluebeam customers in the engineering industry and we work closely with Bornhorst + Ward to ensure they have everything they need to maximise their efficiency and collaborate seamlessly with Revu. Bornhorst + Ward staff have attended Bluebeam events hosted by Cloud A2K including our Bluebeam Brewery Days at Brisbane

Brewing Co. in West End to learn more about how to get the most out of Revu, while enjoying some tasty food and refreshing beverages. Cloud A2K look forward to further strengthening our relationship with Bornhorst + Ward into the future and helping them to continue to deliver market-leading engineering projects.





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