

COMMON DATA ENVIRONMENT

PAS 1192-2 Section 9.2 describes how a CDE should accommodate information from BIM projects and enable multidisciplinary project teams to collaborate in a managed environment, where the build-up and development of information follows the design, manufacturing, and construction sequence.

At CityAxis, we have adopted the Autodesk BIM 360 software package. We have installed Autodesk BIM 360 docs, which is the main platform for document control and sharing. The software provides us with a medium to; **Centrally manage all project documents; Maintain Control with Four permission settings; Extract sheets from 3d models and multi-page pdfs; Access documents on the web, tablet and phones; Create, manage and share mark-ups and issues.**

Autodesk BIM 360 Docs is a cloud-based platform solution that provides general document management as well as specialised functionality for 2D drawings, 3D models, and other project information, and is specifically tailored for the construction industry and BIM projects.

Shared Workspace

We have configured our shared workspace to mirror our local server folder arrangement, but it also accommodates the four functional sections described in PAS 1192-2, clause 9.2.2—WIP (WORK IN PROGRESS), SHARED, PUBLISHED, and ARCHIVE. These sections have independent data structures, permissions, and approval workflows for different project team members.

Controlled Access

Our project teams using BIM 360 Docs can organise, distribute, and provide secure, cross-organisational, permission-based access to project data while capturing milestones and history. BIM 360 Docs provides full access control, at an individual level, and will provide a full audit trail of all CDE activities. In addition, approved team members can access project information in the CDE from a mobile device with internet access. Since BIM 360 Docs is a cloud-based data management solution, project information can also be viewed offline once synced.

Configurable Approval Process

BIM 360 Docs has a built-in workflow engine that can be configured by government clients to manage the BIM Level 2 approval process for moving data through approval gates and functional areas. Once configured, the BIM 360 Docs approval gates and sign-off procedures will allow project information to flow between the sections. It provides functionality for hosting 'work in progress' information as well as the controlled publication and sharing of approved project information.

The BIM 360 Docs approval process will ensure that only the appropriate approver is able to allow information to pass through the approval gate, as specified in PAS 1192-2, clause 9.2.2. With BIM 360 Docs, the government client or its representative(s) can be given the correct authority and approvals to access information in the functional sections of the CDE and promote data to

the next functional level if the work passes the various checks required by the project

Activity Tracking

BIM 360 Docs will provide a full audit trail of all CDE activities including rollback capabilities to revert to previous versions when required. In addition, BIM 360 Docs provides authenticated access, data/time stamping, and version control.

Future Plans

As we fully integrate our workflow to encompass all BIM processes, we plan to upgrade our package to include Autodesk BIM 360 team and Autodesk 360 Field in the near future.

Signed:  _____

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Position: Managing Director

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