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# Common Data Environment



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# What is CDE?

**“The common data environment (CDE), is the single source of information used to collect, manage and disseminate documentation, the graphical model and non-graphical data for the whole project team,”**

**- BIM Wiki**

Demand for data management has significantly risen in the past few decades, moving from passing data around on printed drawing and reports, we have now reached a time where it is not just ideal but essential to have a single truth of information to be consumed in real time by all project stakeholders.

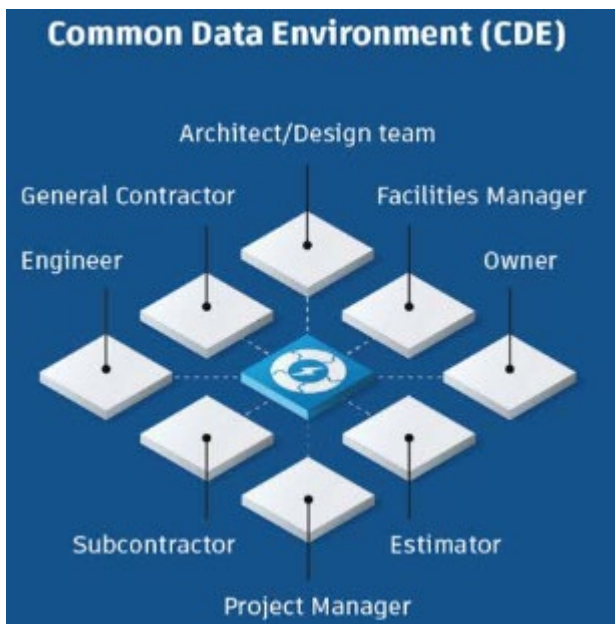
Essentially, a Common Data Environment is a cloud-based digital collaboration area where a project leader can securely store all data, while giving access to relevant stakeholders to make changes and revisions in real-time. Basically, if it involves information created during a project, it's available to everyone who is given permission from its inception through to the end of the project and beyond.



# Why do we need CDE?

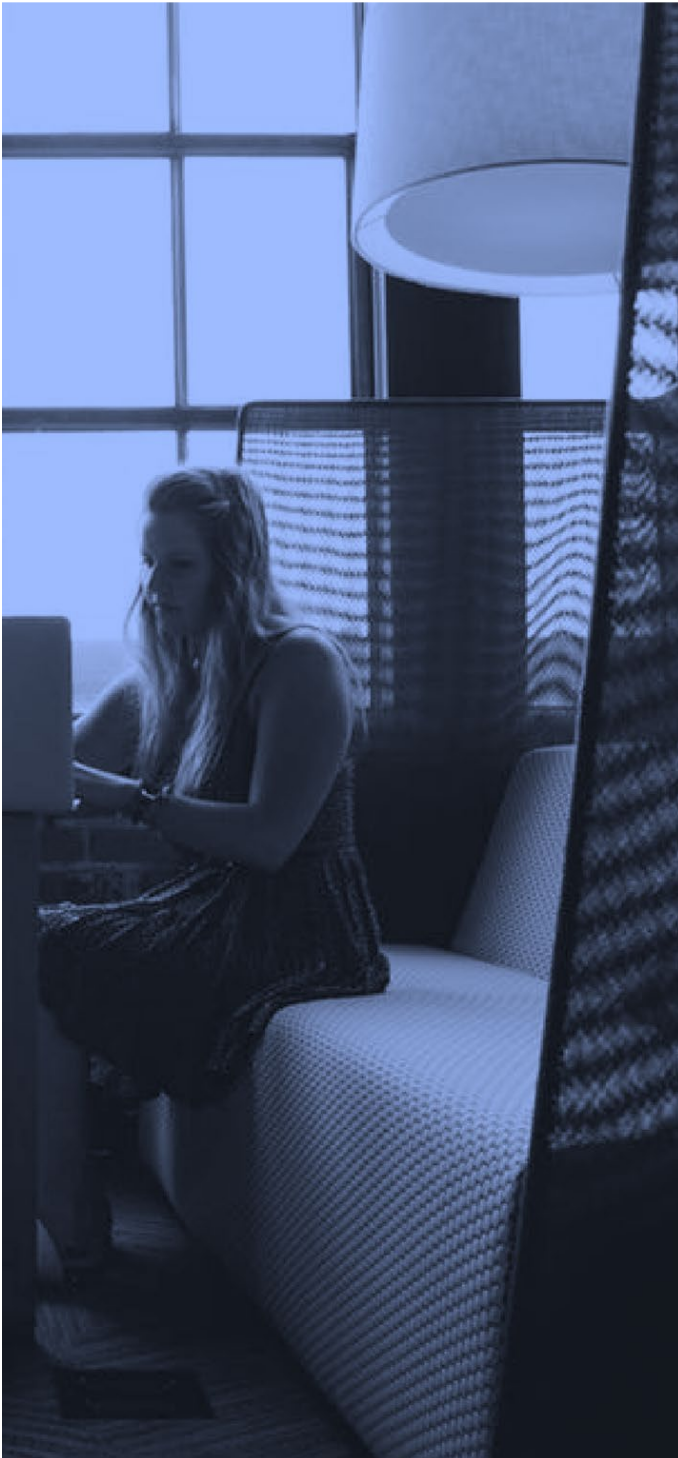
Autodesk has recently found that some 96% of all data captured in the engineering and construction industry goes unused, that 30% of initial data created during the design/construction phases is lost by project closeout – and that a staggering 13% of construction teams' working hours were wasted hunting for project data.

Here is a simplified view of how team members typically exchange information on a project. It is a giant matrix, and it is hard to ensure the right information is with the right person at the right time. Often information lives within different systems, and information exchange is manual, error prone, and can lead to costly mistakes.



With a CDE, the information flows through a central repository where, ideally, it is more easily controlled and up to date. Also, making sure the right information goes to the right person at the right time to review, approve, etc. We can visually see how, CDE enables better collaboration, drive efficiency, reduce human error and most importantly, makes sure your data doesn't go into the wrong hands!

# What should we consider?



The benefits seem undeniable at this point, we do need ask ourselves questions, internally to make sure we pick the right CDE.

## **Are Stakeholders Sold on it?**

For a CDE to be successful in an organization, it shouldn't be met with resistance. You should also think about a CDE training course to make the rollout as painless as possible.

## **Standardization.**

Think carefully about which workflows and processes you'll introduce first. Consider the areas where standardization will have the most benefit and make sure you outline how the information sharing and distribution process will work across the business.

## **Future Vision.**

How do you see the future? You shouldn't adopt a CDE just for the sake of it. It's important to have a vision for where this new way of working will lead the business, while considering your parameters for success.

## File Levels.

Set up separate folders for WIP, Shared, Published and A Set up separate folders for WIP, Shared, Published Archived for each discipline.

## Assign Roles

Set up Role-based or Company-based permissions for each of these folders.

## Setup Template Projects

Best practice is to set up a Template Project, so that it is easy to create additional project CDEs.



# The Autodesk Construction Cloud

Autodesk Construction Cloud™ is helping to deliver on the promise of connected construction by building next-generation industry technology on a unified platform.



A common data environment sets your businesses and projects up for success today by allowing your team to optimise and utilise the information when it matters most. Better yet, good data can empower future technologies, including machine learning and AI, to accelerate project delivery.

## The Construction Cloud BIM 360 supports all the following features & more!

- **Permission Control**
- **Audit Trail**
- **Document Control and Versioning**
- **Custom Metadata.**
- **Integrated Design Workflows.**
- **Design and Office file Viewing.**
- **2D and 3D Viewing Compare.**
- **Approval Workflow**
- **Transmittals**
- **Markups and Issue Management.**
- **Markups and issue management.**
- **Mobile Access.**
- **Reporting and Analytics**
- **Support for unique File Naming.**
- **Support for File Naming Standards.**
- **Revision and Status**
- **Enhanced Review and Approval Workflows**

# How can Cadgroup help you?

We've been around for 34 years, are a Construction cloud elite partner and a Platinum partner with Autodesk. We specialise in BIM and have currently over 3000 customers in Across Australia and New Zealand.

We at Cadgroup have resources in place and offers various training and services for implementation of a CDE.



Some of our many offerings include:

- ✓ [Onboarding](#)
- ✓ [Configuration](#)
- ✓ [Customization](#)
- ✓ [Premium Services](#)
- ✓ [Business Process Assessment](#)
- ✓ [Training](#)

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