

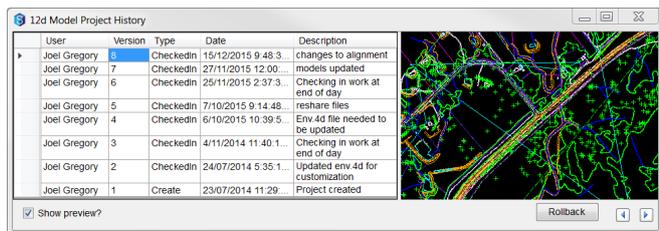
# 12d Synergy for Surveyors and Contractors

12d Synergy is a Data Management System (DMS) that has been developed with contractor-specific workflows in mind. The product has the familiar 'look and feel' of Windows Explorer to simplify training and increase user acceptance.

## 12d Model Data Management

12d Synergy is the only DMS that can manage 12d Model project data. Each time a 12d Model project is saved, information relating to that session is saved as a version. This provides the full history of the 12d Model project which can be used to generate an audit trail of "who, what, when, why" for each version. The ability to rollback a 12d Model project to any previous version is a comforting safety net in case of operator error or data loss. 12d Model sharing can be managed from within 12d Synergy.

Information relating to 12d Model customisation can be stored within 12d Synergy, simplifying maintenance of the customisation. 12d Synergy Permissions provides control of which users can view, edit or share data from a project, ensuring unauthorised users cannot make changes or even see your precious data. 12d Synergy maintains an access log which provides a list of every user which has accessed the 12d Model project or shared data from the project.

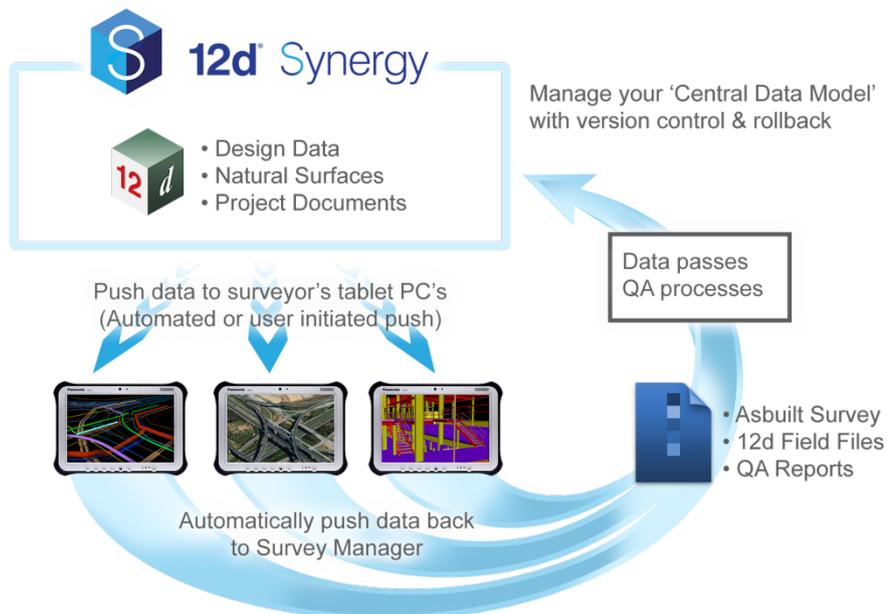


User	Version	Type	Date	Description
Joel Gregory	8	Checkedin	15/12/2015 9:48:3...	changes to alignment
Joel Gregory	7	Checkedin	27/11/2015 12:00...	models updated
Joel Gregory	6	Checkedin	25/11/2015 2:37:3...	Checking in work at end of day
Joel Gregory	5	Checkedin	7/10/2015 9:14:48...	reshare files
Joel Gregory	4	Checkedin	6/10/2015 10:39:5...	Env 4d file needed to be updated
Joel Gregory	3	Checkedin	4/11/2014 11:40:1...	Checking in work at end of day
Joel Gregory	2	Checkedin	24/07/2014 5:35:1...	Updated env 4d for customization
Joel Gregory	1	Create	23/07/2014 11:29...	Project created

## Data Synchronisation

Whether using 12d Model, 12d Field or another surveying application, data needs to be transferred to surveyors to work in the field. 12d Synergy offers a simple and robust one-way data synchronisation option that pushes a 'central data model' to all selected computers or tablet PCs. Data synchronisation can be configured to perform overnight, or on demand and the data owner is also notified when the data has successfully been synchronised.

After completing the survey field work or as-built assignment, the surveyor can upload the 12d field files (the electronic field book of all measurements, instrument location details, codes and attribute information), As Constructed data and QA reports and other required files to the 12d Synergy server for managed QA distribution



## Enforce Naming Conventions

The adoption of strict naming conventions across a construction site is essential for efficient data workflows, however not all staff comply. 12d Synergy allows the enforcement of file naming rules and the ability to restrict the types of files in a folder (e.g. ensuring only PDF files are located in the “reports” folder). These options ensure all data is clean and complies with company naming conventions (and the rules are simple to implement).

## Assign and Monitor Tasks

12d Synergy’s task management system allows tasks to be assigned to users, managers and supervisors to monitor work progress. Workflows can be built into the system, e.g. when a task is completed, a subsequent task can be initiated, plus the manager and assignee can be notified of any updates. 12d Synergy can provide an audit trail of which tasks were completed, when and by whom. Entire processes or groups of tasks can be saved as templates. Tasks can also be associated with files or folder locations, so users will know which file or 12d Model project they are meant to be working on.

## Publishing

12d Synergy provides a simple and seamless way to transfer large and complex datasets without using cloud services such as Dropbox. The dataset resides on the company’s server and not on a third party server. 12d Synergy’s publishing system is secure plus it creates an audit trail of the process. An expiry date and password can be defined for the transfer. The intended recipient will receive a URL link which can be used with any Internet browser to download the dataset.



**A file has been made available for you to download.**

<b>File:</b>	Pacific Highway Project - Section D .12daz
<b>Description:</b>	All 12d data models and construction layers
<b>Password:</b>	<input type="password"/>
	<input type="button" value="Download"/>

## Email Management

12d Synergy can automate the filing of email correspondence, ensuring all emails are captured. 12d Synergy’s email management system has search tools which allows fast retrieval of emails. Use of metadata allows for granular email searches based on filters such as project name, date, recipient, sender, subject and content.