



# 12d International Innovation Awards



12d<sup>®</sup> International Conference

# 2016

## David Healy & Phillip Stoddart Dashboard Customisation

WINNER: 12D SYNERGY



Name: David Healy, Phillip Stoddart

Position: Civil Design Engineers

Company: J Wyndham Prince

Name Project: Dashboard Customisation

Client: J Wyndham Prince

Category:

- Design & Visualisation
- Survey & Construction
- Drainage, Sewer, Utilities & Rivers
- Customisation
- 12d Synergy

**J. WYNDHAM PRINCE**  
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS  
& PROJECT MANAGERS



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## Description of Project:

- To extract financial information and display it in a sensible format on the 12d Synergy Dashboard for each project

## Description of problem faced / task undertaken:

- Be able to extract the financial information
- Be able to display the information in a readable and logical format
- Be able to show the information specific to each project

## How the problem was solved:

- PHP was used on the server side to extract information from a SQL database and return it to the Dashboard page
- After receiving the information from the PHP script, HTML, Javascript and CSS was used to display and order the information on the Dashboard

## Relevant 12d screenshots and/or data attached:

The screenshot displays the 12d Synergy 3.1.1.24 interface. The main dashboard area shows a 'Total Project' summary with 'Contract Value: \$334,168', 'Invoiced 27%', and 'Spent 29%'. Below this, there are three package cards: '01 01. Main Job - No Packages' (Package Value: \$0), '02 Preliminary Engineering Advice' (Package Value: \$10,288, Invoiced 100%, Spent 100%), and '03 Civil Design' (Package Value: \$207,000, Invoiced 24%, Spent 26%). A 'My Active Items' window is open on the left, listing tasks with columns for Name, State, Progress, Priority, Start Date, and Due Date. Red annotations highlight a search bar at the top and the financial data on the dashboard, with text indicating that the job number and name are populated from Synergy attributes and financial information is retrieved from a SQL database via PHP.

**JOB NUMBER AND NAME POPULATED FROM SYNERGY ATTRIBUTES**

**FINANCIAL INFORMATION RETRIEVED FROM SQL DATABASE WITH PHP**

File	State	Last Changed By	Last Server Change	CheckedOut	Version	File Size	Outdated?	Path
You have no files checked out.								



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JQUERY, CSS AND JAVASCRIPT USED TO FORMAT FINANCIAL INFORMATION DISPLAY. GREYED OUT PACKAGES ARE INACTIVE

The screenshot displays the 12d Synergy 3.1.1.24 application window. The main dashboard features a grid of project cards for various packages, each with progress bars for 'Spent' and 'Invoiced' percentages. A 'My Active Items' table is visible on the left, and a 'My Checked Out Files' table is at the bottom. A red arrow points from the text annotation to the inactive (greyed out) project cards.

Name	State	Progress	Priority	Start Date	Due Date
Deliverable - Prec...	In Progress	<div style="width: 50%;"></div>	Trivial		
Hold Point 50...	Not Started	<div style="width: 0%;"></div>	Trivial		
Prepare 5...	In Progress	<div style="width: 20%;"></div>	Trivial		
Update De...	Not Started	<div style="width: 0%;"></div>	Trivial		
Hold Point 100...	Not Started	<div style="width: 0%;"></div>	Trivial		
Prepare 1...	Not Started	<div style="width: 0%;"></div>	Trivial		
Update De...	Not Started	<div style="width: 0%;"></div>	Trivial		
Prepare Plans...	Not Started	<div style="width: 0%;"></div>	Trivial		
Amend dr...	Not Started	<div style="width: 0%;"></div>	Trivial		
Package u...	Not Started	<div style="width: 0%;"></div>	Trivial		
Issue Drawings	Not Started	<div style="width: 0%;"></div>	Trivial		
CC Task List	Not Started	<div style="width: 0%;"></div>	Trivial		

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You have no files checked out.								