



# EVENGINE STANDARD

## TRAINING MODULE

### CONTENT



There are five training modules. Your selection depends on where you maintain and source your schedule and units of cost, work, material usage data.

On completion of the training modules you should be able to track, analyse and report your project's performance to Industry best practice.

Lets look at the module content.



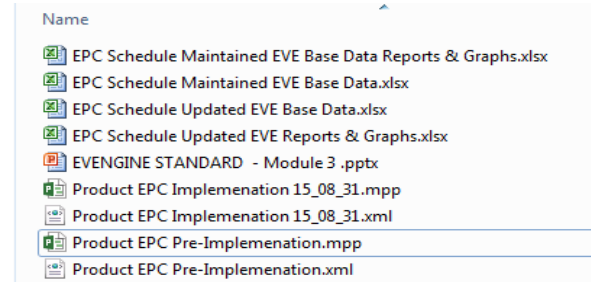
# **MODULE 2 AND 3**

## **WORKING IN WITH MICROSOFT PROJECT PLANNING SOFTWARE**



## ➤ **Module 3 - All Earned Value Base and Schedule Data held and maintained solely in Microsoft Project**

- On completion of this module you are in a position to establish a basic project control system with units of cost, work and material usage data sourced entirely from a Microsoft Project maintained schedule, where EVENGINE is used as an advanced Earned Value and Schedule performance measurement and reporting tool. You will be working with the following files:
- Product EPC Pre-Implementation.mpp(xml) - contains all the base pre-start EV data to be imported to the EVE Project Data sheet.
- EPC Schedule Maintained EVE Base Data.xlsx – contains the Pre-Start Cost Plan with the imported EV data ready for reports.
- EPC Schedule Maintained EVE Base Data Reports & Graphs.xlsx – contains the Pre-Start Cost Plan range of Reports and Graphs for Standard.
- Product EPC Implementation 15\_08\_31.mpp(xml) file contains all the updated EV data to be imported to the EVE Project Data sheet.
- Product Schedule Maintained EVE Base Data reports & Graphs.xlsx - contains the Pre-Start Data ready for reports.
- Product Schedule Maintained EVE Reports & Graphs.xlsx – contains the Updated Report Period range of Reports and Graphs for Standard.
- Lets Now Take a Look at the Actual Process





- At each Report Period import to the EVENGINE EVE Data sheet the Baseline and Updated Planning Software Schedule, Units of Cost, Work and Material Usage data.

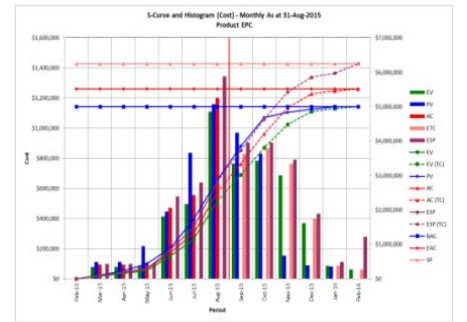
Unique ID	Task Name	% Complete	Physical % Complete	Duration	2/03/15	Finish	Baseline Cost	Actual Cost	Remaining Cost	Cost	SP/Revenue	Work	Actual Work	Remaining Work	BAC/PC
0	Equipment Manufacture & Supply	50%	0%	256 days	2/03/15	22/02/16	\$5,005,200.00	\$2,283,920.00	\$3,237,400.00	\$5,221,320.00	\$6,250,000.00	26,554 hrs	11,024 hrs	15,530 hrs	45
43	Equipment Manufacture & Supply	50%	0%	256 days	2/03/15	22/02/16	\$5,005,200.00	\$2,283,920.00	\$3,237,400.00	\$5,221,320.00	\$6,250,000.00	26,554 hrs	11,024 hrs	15,530 hrs	45
29	Phase 1 - System Design	100%	0%	130 days	2/03/15	20/08/15	\$726,400.00	\$850,400.00	\$0.00	\$850,400.00	\$950,000.00	6,880 hrs	6,880 hrs	0 hrs	0
31	Preliminary Design	100%	100%	90 days	16/07/15	16/07/15	\$359,200.00	\$427,600.00	\$0.00	\$427,600.00	\$450,000.00	4,180 hrs	4,180 hrs	0 hrs	0
32	Detail Design	100%	100%	85 days	10/08/15	20/08/15	\$377,200.00	\$422,800.00	\$0.00	\$422,800.00	\$500,000.00	4,180 hrs	4,180 hrs	0 hrs	0
33	Phase 2 - Prototype Manufacture & Test	75%	0%	90 days	10/08/15	21/09/15	\$948,000.00	\$643,120.00	\$87,880.00	\$730,120.00	\$900,000.00	1,934 hrs	1,164 hrs	650 hrs	0
34	Prototype Manufacture	100%	100%	55 days	10/08/15	14/09/15	\$521,200.00	\$580,400.00	\$0.00	\$580,400.00	\$700,000.00	880 hrs	880 hrs	0 hrs	0
35	Prototype Test & Modifications	40%	50%	40 days	10/08/15	21/09/15	\$126,000.00	\$52,720.00	\$87,280.00	\$139,720.00	\$200,000.00	1,034 hrs	304 hrs	650 hrs	0
36	Phase 3 - Manufacture, Test & Supply	22%	0%	100 days	20/07/15	14/12/15	\$3,140,000.00	\$790,400.00	\$2,670,400.00	\$3,460,800.00	\$3,600,000.00	11,760 hrs	2,880 hrs	8,880 hrs	45
37	Manufacture Batch 1	50%	60%	50 days	20/07/15	5/10/15	\$1,560,000.00	\$790,400.00	\$800,400.00	\$1,670,000.00	\$1,800,000.00	5,760 hrs	2,880 hrs	2,880 hrs	20
38	Manufacture Batch 2	0%	0%	60 days	20/09/15	14/12/15	\$1,580,000.00	\$0.00	\$1,790,000.00	\$1,790,000.00	\$1,800,000.00	6,000 hrs	0 hrs	6,000 hrs	25
39	Phase 4 - Installation & Commission	0%	0%	100 days	6/10/15	22/02/16	\$400,000.00	\$0.00	\$400,000.00	\$400,000.00	\$500,000.00	6,000 hrs	0 hrs	6,000 hrs	0
40	Install & Commission Equip. Batch 1	0%	0%	50 days	6/10/15	14/12/15	\$288,000.00	\$0.00	\$288,000.00	\$288,000.00	\$350,000.00	3,600 hrs	0 hrs	3,600 hrs	0
41	Install & Commission Equip. Batch 2	0%	0%	50 days	15/12/15	22/02/16	\$192,000.00	\$0.00	\$192,000.00	\$192,000.00	\$250,000.00	2,400 hrs	0 hrs	2,400 hrs	0
42	Equipment Fully Operational	0%	0%	0 days	22/02/16	22/02/16	\$0.00	\$0.00	\$0.00	\$0.00	\$200,000.00	0 hrs	0 hrs	0 hrs	0



Project	Unique ID	Level	Summary	Name	Early Start	Early Finish	Baseline Start	Baseline Finish	Baseline2 Start	Baseline2 Finish	BAC1	EAC	SP	Cost Var.	%CompW	BACW	BACW2	EACW	Work Var.	%CompQ	BACQ	BACQ2	EACQ	Qty Var.		
Product EPC	31	1	No	Preliminary Design	2-Mar-2015	16-Jul-2015	2-Mar-2015	5-Jun-2015	2-Mar-2015	16-Jul-2015	\$726,400	\$850,400	\$950,000	\$123,600	100.00%	\$359,200	\$0	\$427,600	\$450,000	0	100.00%	2,400.00	0.00	0.00	0.00	0.00
Product EPC	32	1	No	Detail Design	1-Jun-2015	28-Aug-2015	25-May-2015	14-Aug-2015	1-Jun-2015	28-Aug-2015	\$726,400	\$850,400	\$950,000	\$123,600	100.00%	\$377,200	\$0	\$422,800	\$500,000	0	100.00%	3,840.00	0.00	0.160	0.00	0.00
Product EPC	34	1	No	Prototype Manufacture	1-Jun-2015	14-Aug-2015	25-May-2015	17-Jul-2015	1-Jun-2015	14-Aug-2015	\$521,200	\$580,400	\$700,000	\$123,600	100.00%	\$521,200	\$0	\$590,400	\$700,000	0	100.00%	640.00	0.00	880.00	0.00	0.00
Product EPC	35	1	No	Prototype Test & Modifications	10-Aug-2015	2-Oct-2015	20-Jul-2015	11-Sep-2015	10-Aug-2015	2-Oct-2015	\$126,000	\$126,000	\$126,000	\$0	50.00%	\$126,000	\$0	\$139,720	\$200,000	0	50.00%	960.00	0.00	1,034.00	0.00	0.00
Product EPC	37	1	No	Manufacture Batch 1	28-Jul-2015	5-Oct-2015	14-Jul-2015	7-Sep-2015	28-Jul-2015	5-Oct-2015	\$1,560,000	\$1,560,000	\$1,800,000	\$0	60.00%	\$1,560,000	\$0	\$1,670,800	\$1,800,000	0	50.00%	5,760.00	0.00	5,760.00	20.00	20.00
Product EPC	38	1	No	Manufacture Batch 2	22-Sep-2015	25-Aug-2015	14-Dec-2015	22-Sep-2015	22-Sep-2015	14-Dec-2015	\$1,580,000	\$1,580,000	\$1,800,000	\$0	0.00%	\$1,580,000	\$0	\$1,790,000	\$1,800,000	0	0.00%	6,000.00	0.00	6,000.00	25.00	25.00
Product EPC	40	1	No	Install & Commission Equip. Batch 1	6-Oct-2015	14-Dec-2015	14-Sep-2015	20-Nov-2015	6-Oct-2015	14-Dec-2015	\$288,000	\$288,000	\$350,000	\$0	0.00%	\$288,000	\$0	\$288,000	\$350,000	0	0.00%	3,600.00	0.00	3,600.00	0.00	0.00
Product EPC	41	1	No	Install & Commission Equip. Batch 2	15-Dec-2015	22-Feb-2016	23-Nov-2015	29-Jan-2016	15-Dec-2015	22-Feb-2016	\$192,000	\$192,000	\$250,000	\$0	0.00%	\$192,000	\$0	\$192,000	\$250,000	0	0.00%	2,400.00	0.00	2,400.00	0.00	0.00
Product EPC	42	1	No	Equipment Fully Operational	22-Feb-2016	22-Feb-2016	29-Jan-2016	29-Jan-2016	22-Feb-2016	22-Feb-2016	\$0	\$0	\$0	\$0	0.00%	\$0	\$0	\$0	\$200,000	0	0.00%	0.00	0.00	0.00	0.00	

- Run Updated Report Period Graphs & Reports
- For the interpretation of reports refer to the Standard Guide.
- Having completed this module you are now ready to establish a basic project control system.

		23 Mar 2015	30 Apr 2015	07 May 2015	14 Jun 2015	21 Jul 2015	28 Aug 2015	04 Sep 2015	11 Oct 2015	18 Nov 2015	25 Dec 2015	01 Jan 2016	08 Feb 2016
Indicators	Schedule Variance	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Schedule Variance Percentage	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Cost Variance	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Cost Variance Percentage	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Quality Variance	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Quality Variance Percentage	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Performance Index	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	Performance Index Percentage	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	Performance Index Variance	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Performance Index Variance Percentage	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Performance Index Variance	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Performance Index Variance Percentage	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Indicators	Independent Estimate All Completions (BAC)	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200
	Independent Estimate All Completions (EAC)	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200
	Independent Estimate All Completions (EAC) (Average)	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200
	Independent Estimate All Completions (EAC) (Range)	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200
	Independent Estimate All Completions (EAC) (Min)	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200
	Independent Estimate All Completions (EAC) (Max)	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200	\$5,005,200
	Independent Estimate All Completions (EAC) (Std Dev)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Independent Estimate All Completions (EAC) (Variance)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Independent Estimate All Completions (EAC) (Percentage)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Independent Estimate All Completions (EAC) (Range)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Independent Estimate All Completions (EAC) (Min)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Independent Estimate All Completions (EAC) (Max)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00



## Module 3 - All Earned Value Base and Schedule Data held and maintained solely in Microsoft Project



- Having completed Module 3 you can now you can now establish a basic Earned Value Project Control System.
- For this module you are locked into maintaining all Units of Cost, Work and Material Usage Data within the Project Schedule.
- As the base data is readily accessible from the EVE Project Data sheet, you can easily factor the data to undertake what if simulations without having to make changes to the schedule maintained data.
- For more advanced reporting including the Tracking of Historical Data and Financial Administration seamlessly upgrade anytime to EVENGINE Premium or Project Control.
- For more information refer to the Website.