

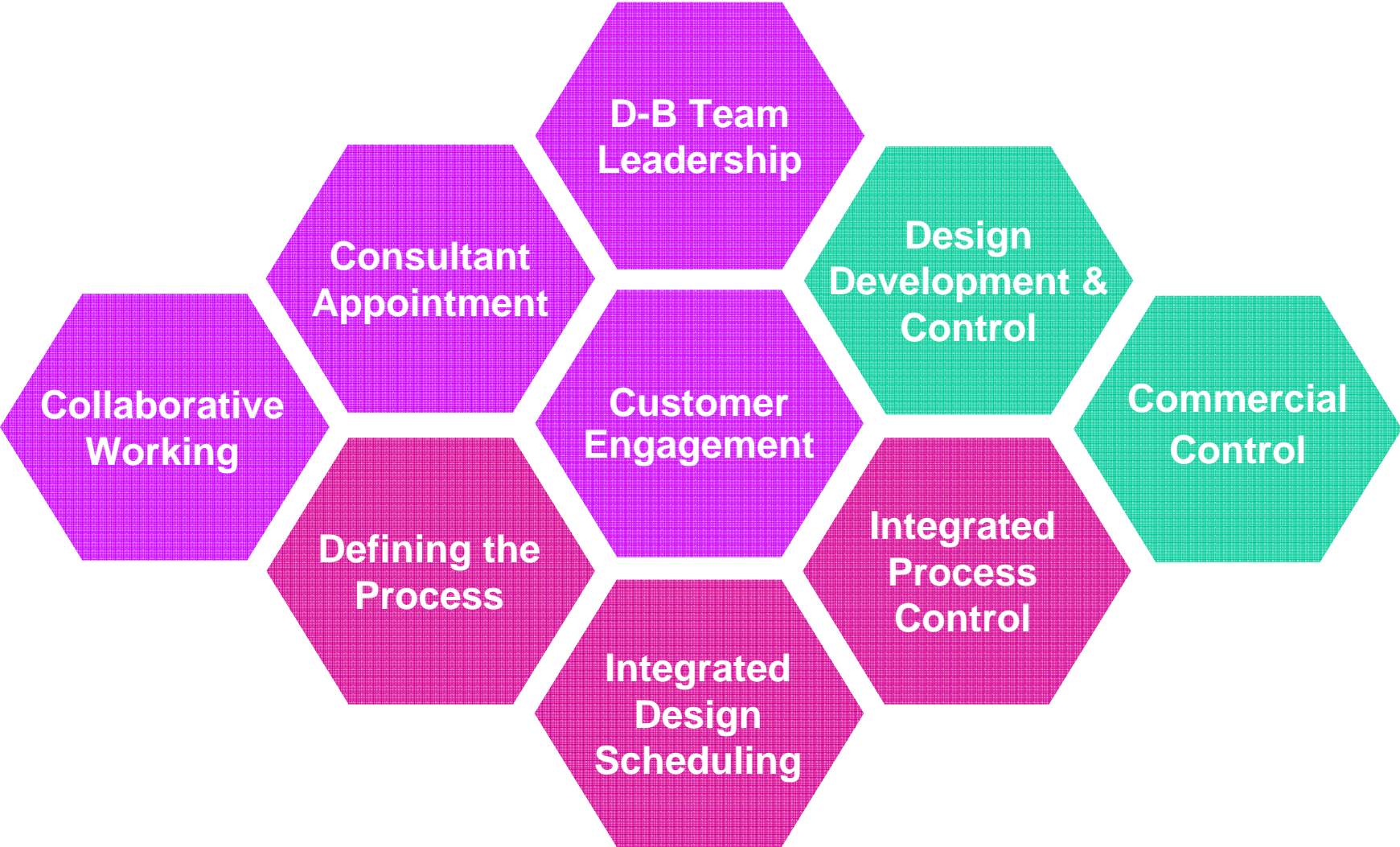
The context to Integrated Scheduling & Control

- o 2008 Construction - the state of play:
 - Design Projects - 37% overspend and 42% are late
 - Construction Projects - 48% overspend and 40% are late

- o Why is design difficult to deliver:
 - It is complex with increasing specialisms and silos;
 - It is iterative & rework must be planned;
 - Increasing use of contractor led procurement;
 - Unrealistic timescales vs managing design risk to deliver to timescales;
 - Impact of changes not fully understood; &
 - Not planned or managed with an empathy for designers.

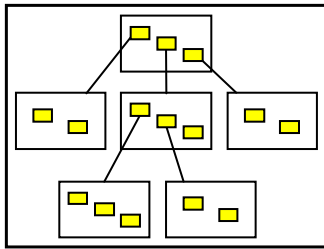
- o Our approaches to scheduling and managing design delivers
 - Enhanced predictability of design delivery
 - Better co-ordinated design solutions
 - Greater transparency in design delivery

AML's Design Management Framework



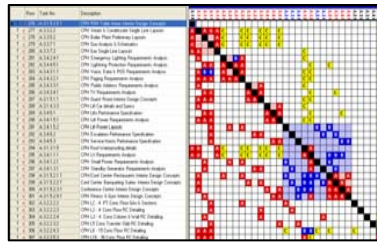
ADOPT™ - Process at the Heart of Design

Stage 1



Modelling:
Understand the problem & the constraints

Stage 2



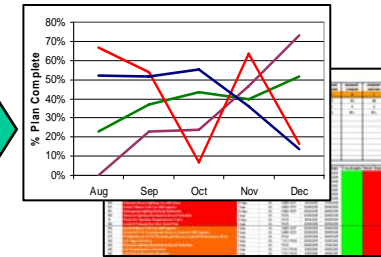
Optimisation:
Optimise the sequence process

Stage 3

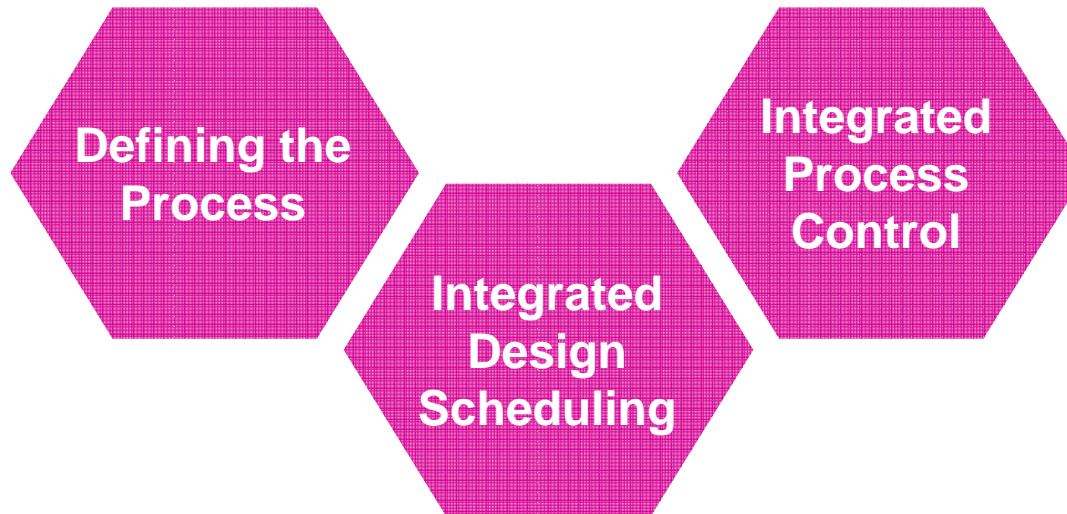


Programming:
process in detail

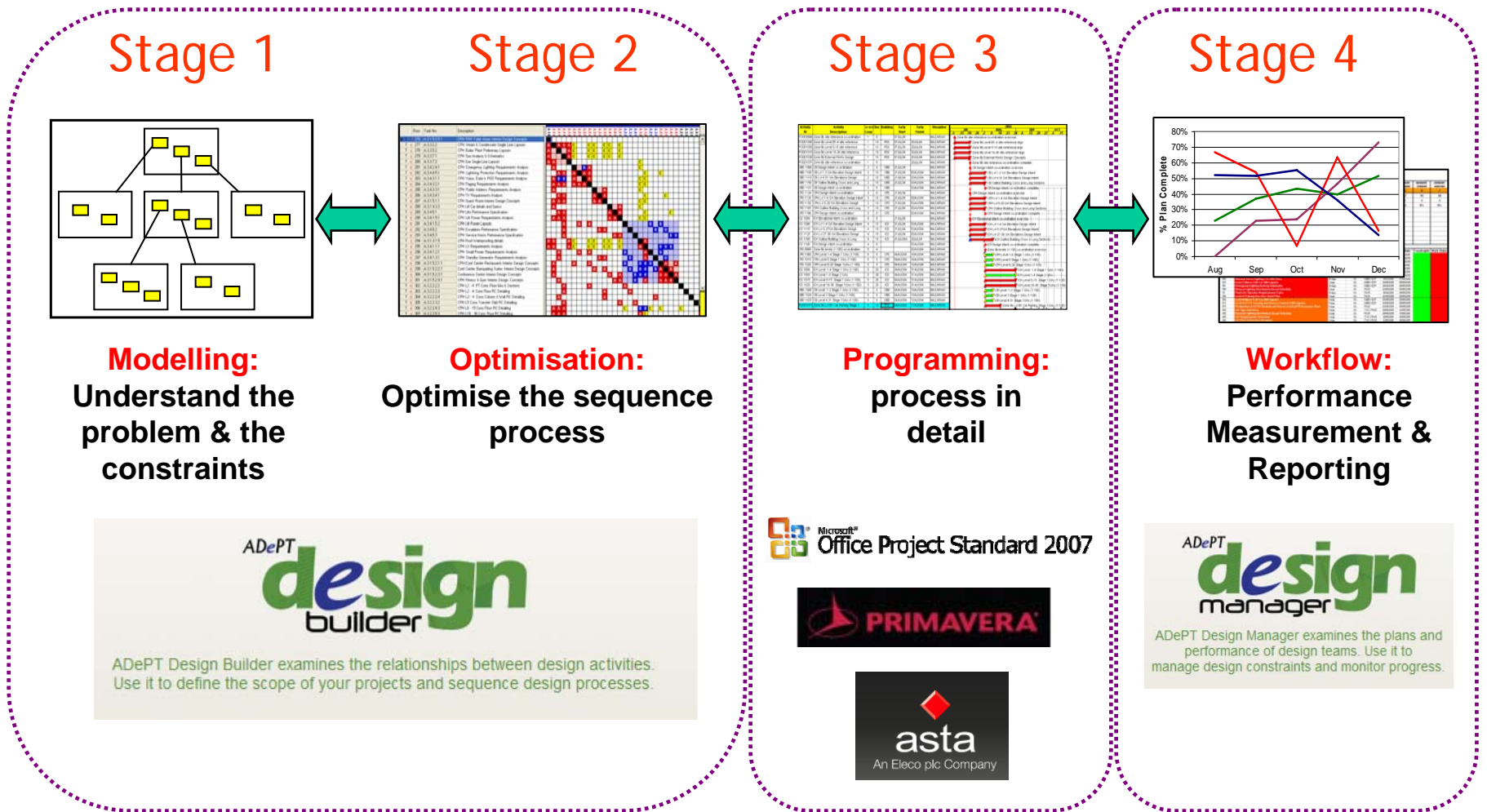
Stage 4



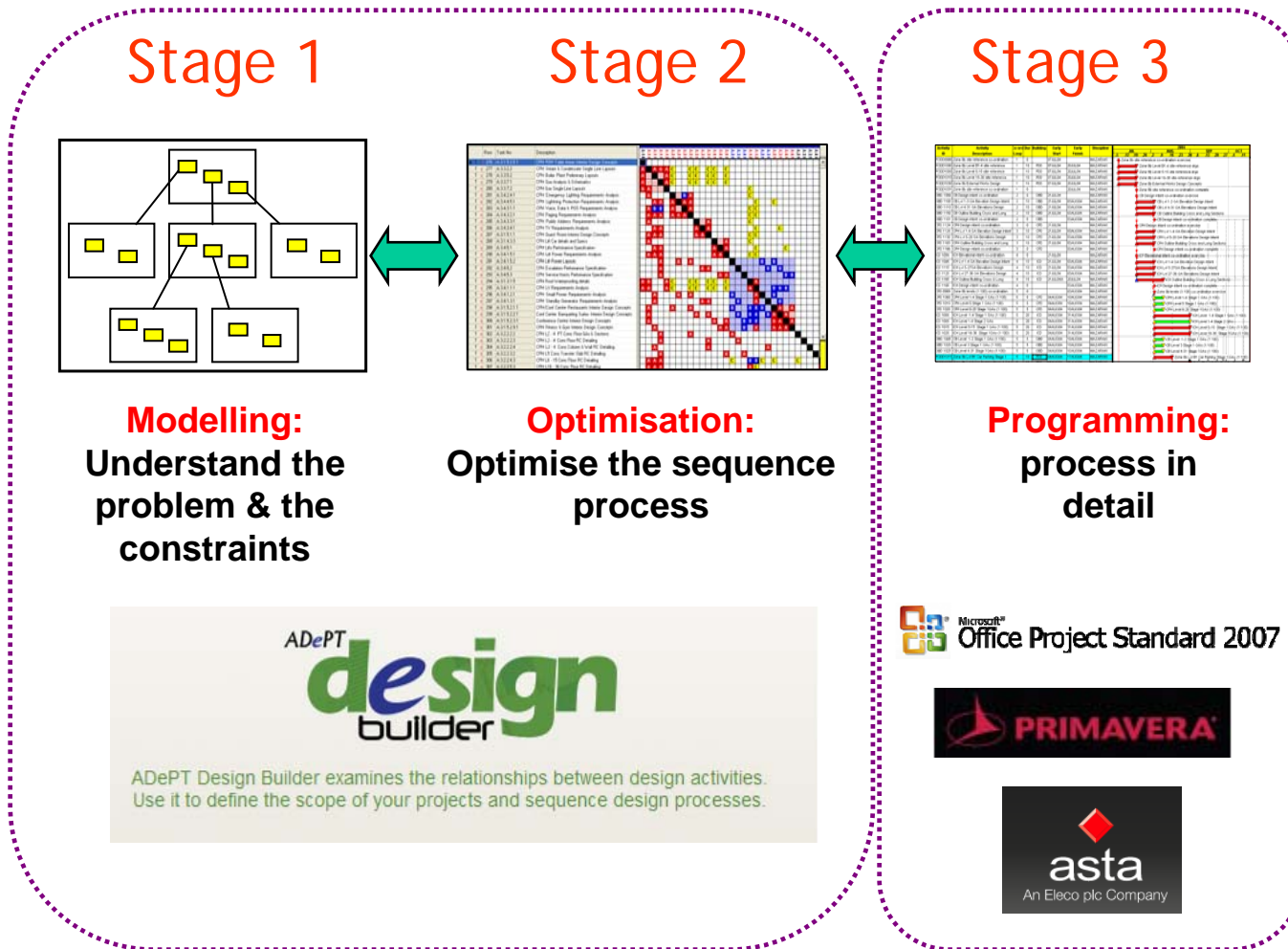
Workflow:
Performance Measurement & Reporting



ADePT - The method and associated software



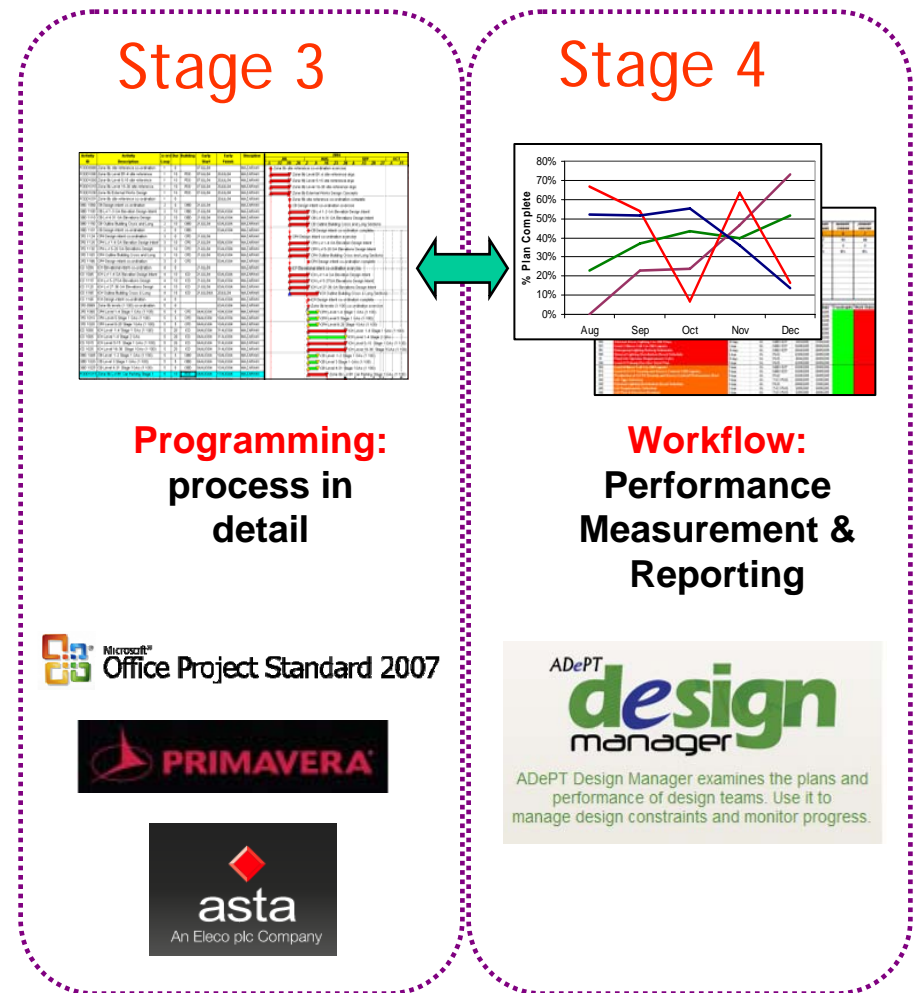
ADePT - The method and associated software



This is where the elements of the process are defined, integrated & then sequenced to enable re-work to be eradicated, iteration to be identified, and coordination 'hot-spots' to be pinpointed. Key decision are highlighted and, via the procurement strategy, the design and construction processes are dove-tailed. The output is a single, integrated schedule in your tool of choice.

ADePT - The method and associated software

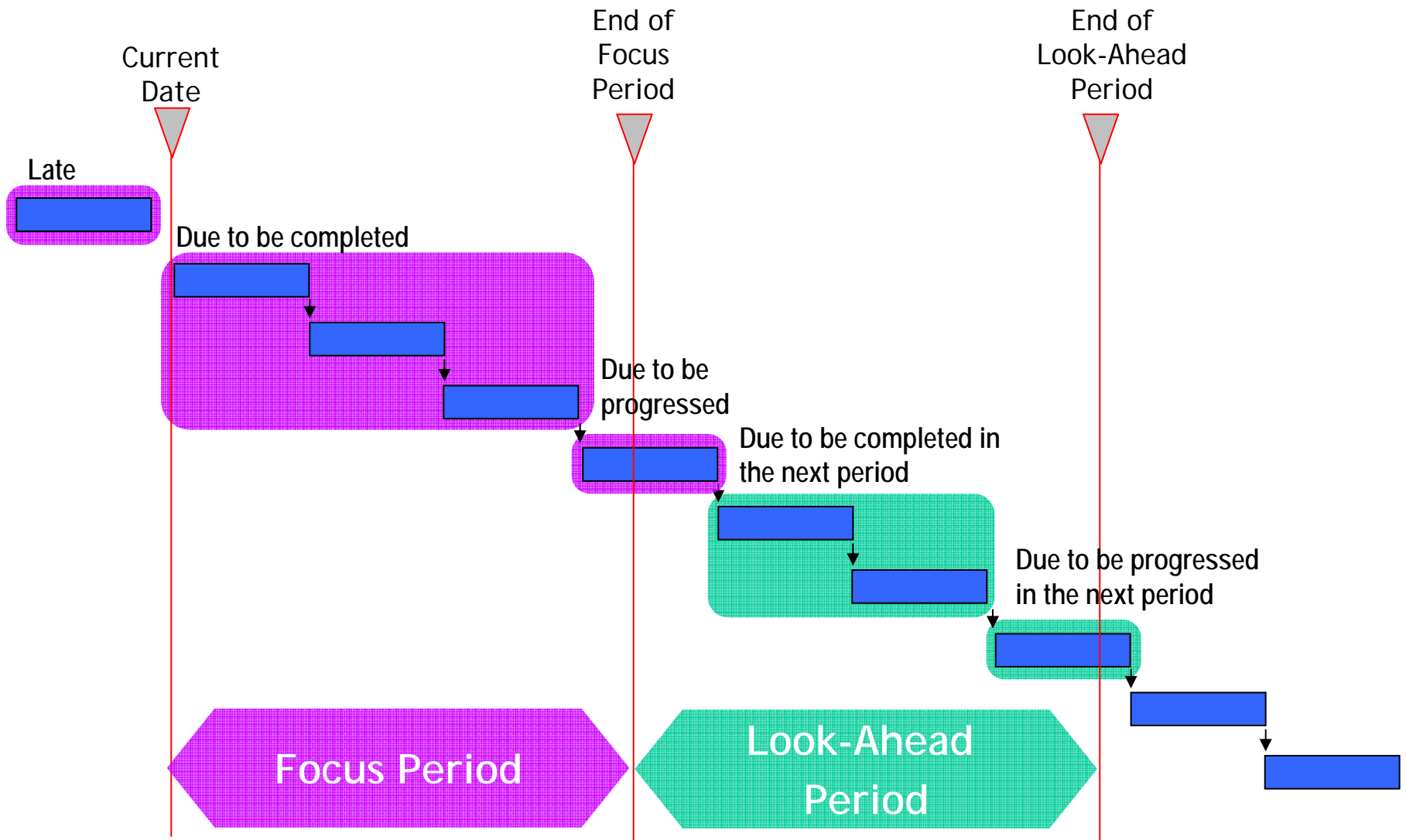
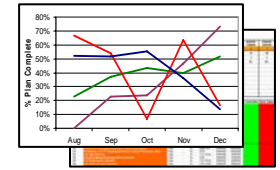
This is where the single, integrated schedule is used as a live management tool to ensure that work-flow is maintained in line with the agreed process. The ADePT Design Manager application uses production control principles to manage and sustain the agreed rate of design information production, whilst enabling any constraints to be captured and removed before they negatively impact the delivery process. This enables real-time management, monitoring and control of performance during design, procurement and construction.



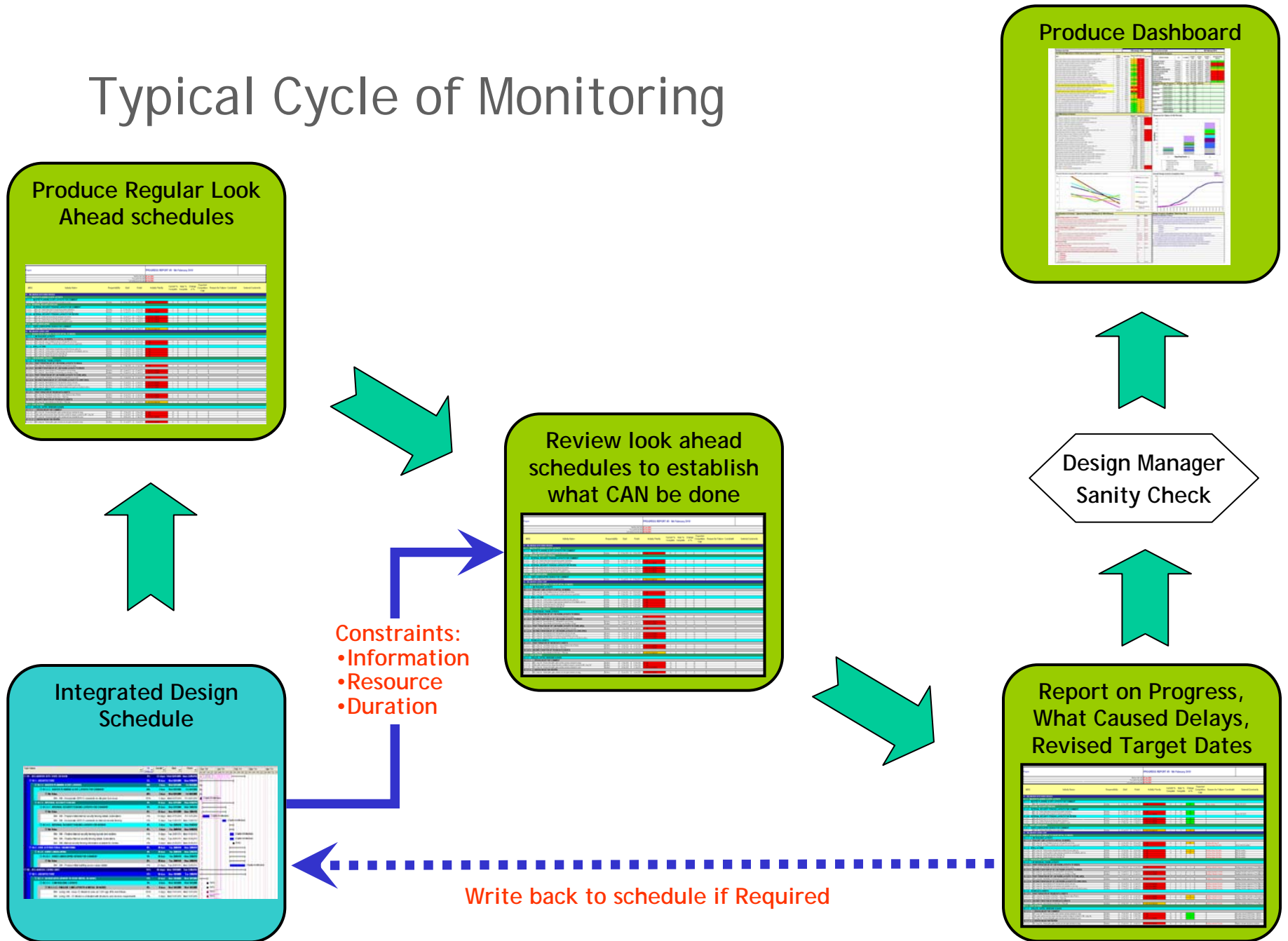
Managing the project to the Integrated Schedule

Integrated Progress
Reporting, Management &
Performance Monitoring to
enable Process Control

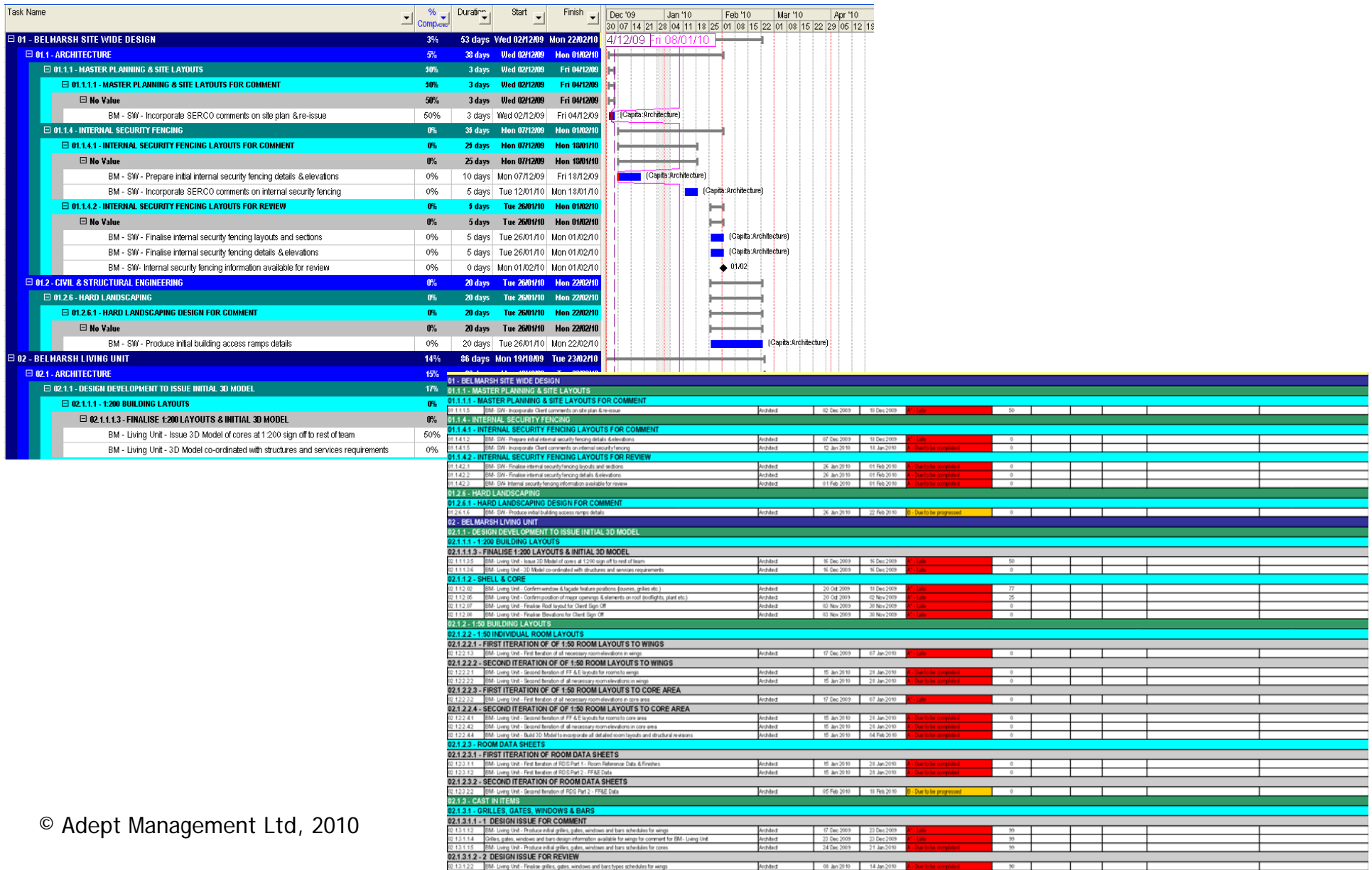
Stage 4: Production Control in practice



Typical Cycle of Monitoring



Linking Integrated Schedule with Lookahead Schedules



Blank Look Ahead for a given Focus period

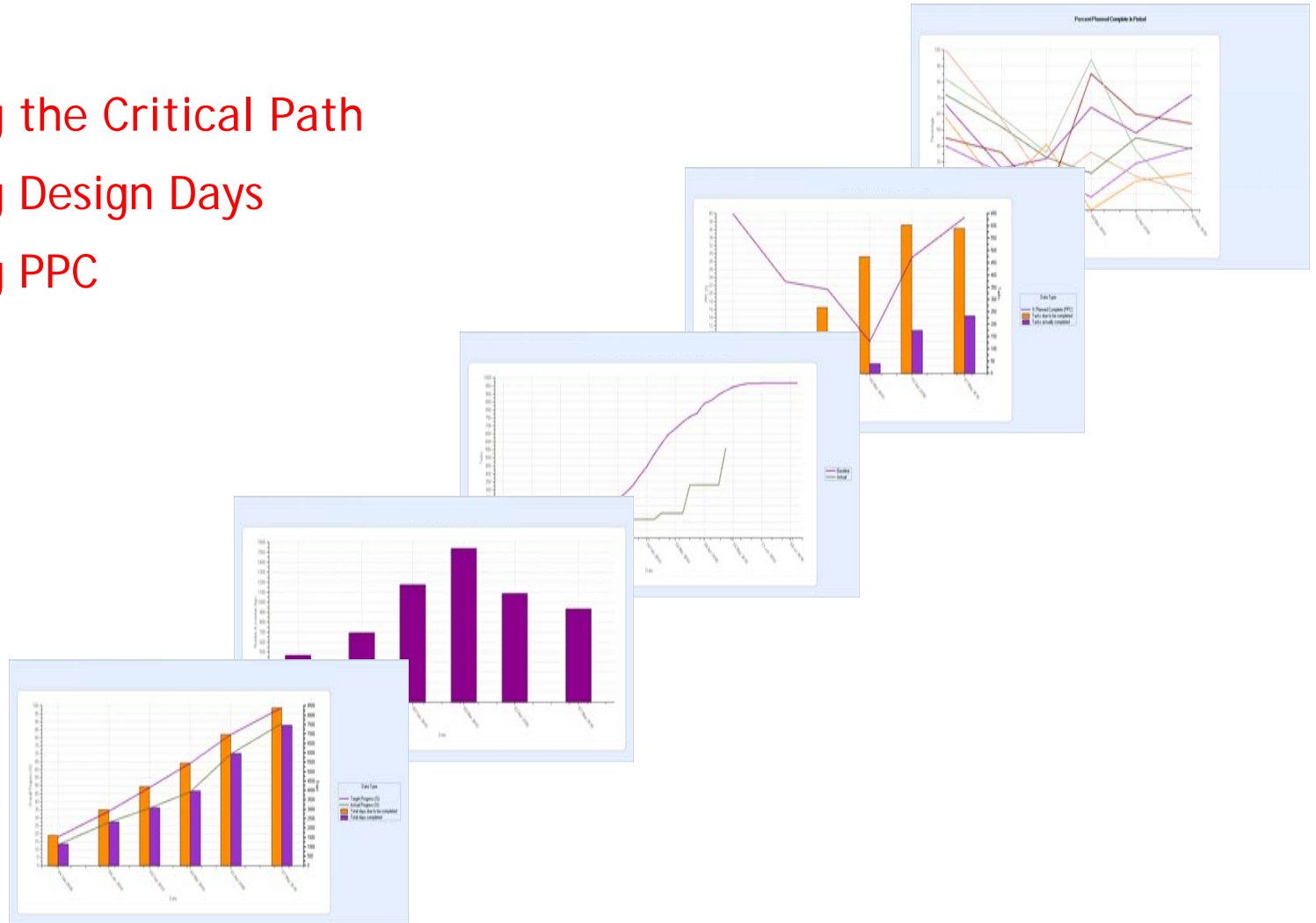
Project:		PROGRESS REPORT #3 - 5th February 2010									
		Workplan start date:	09 Jan 2010								
		Focus period end date:	05 Feb 2010								
		Look-ahead period end date:	05 Feb 2010								
WBS	Activity Name	Responsibility	Start	Finish	Activity Priority	Current % Complete	New % Complete	Change in %	Expected Completion Date	Reason for Failure / Constraint	General Comments
01 - BELMARSH SITE WIDE DESIGN											
01.1 - MASTER PLANNING & SITE LAYOUTS											
01.1.1 - MASTER PLANNING & SITE LAYOUTS FOR COMMENT											
01.1.1.5	BM- SW- Incorporate Client comments on site plan & re-issue	Architect	02 Dec 2009	10 Dec 2009	A ⁺ - Late	50					
01.1.4 - INTERNAL SECURITY FENCING											
01.1.4.1 - INTERNAL SECURITY FENCING LAYOUTS FOR COMMENT											
01.1.4.2	BM- SW- Prepare initial internal security fencing details & elevations	Architect	07 Dec 2009	18 Dec 2009	A ⁺ - Late	0					
01.1.4.5	BM- SW- Incorporate Client comments on internal security fencing	Architect	12 Jan 2010	18 Jan 2010	A - Due to be completed	0					
01.1.4.2 - INTERNAL SECURITY FENCING LAYOUTS FOR REVIEW											
01.1.4.2.1	BM- SW- Finalise internal security fencing layouts and sections	Architect	26 Jan 2010	01 Feb 2010	A - Due to be completed	0					
01.1.4.2.2	BM- SW- Finalise internal security fencing details & elevations	Architect	26 Jan 2010	01 Feb 2010	A - Due to be completed	0					
01.1.4.2.3	BM- SW- Internal security fencing information available for review	Architect	01 Feb 2010	01 Feb 2010	A - Due to be completed	0					
01.2.6 - HARD LANDSCAPING											
01.2.6.1 - HARD LANDSCAPING DESIGN FOR COMMENT											
01.2.6.1.6	BM- SW- Produce initial building access ramps details	Architect	26 Jan 2010	22 Feb 2010	B - Due to be progressed	0					
02 - BELMARSH LIVING UNIT											
02.1.1 - DESIGN DEVELOPMENT TO ISSUE INITIAL 3D MODEL											
02.1.1.1 - 1:200 BUILDING LAYOUTS											
02.1.1.1.3 - FINALISE 1:200 LAYOUTS & INITIAL 3D MODEL											
02.1.1.1.3.5	BM- Living Unit - Issue 3D Model of cores at 1:200 sign off to rest of team	Architect	16 Dec 2009	16 Dec 2009	A ⁺ - Late	50					
02.1.1.1.3.6	BM- Living Unit - 3D Model co-ordinated with structures and services requirements	Architect	16 Dec 2009	16 Dec 2009	A ⁺ - Late	0					
02.1.1.2 - SHELL & CORE											
02.1.1.2.02	BM- Living Unit - Confirm window & facade feature positions (squares, grilles etc.)	Architect	20 Oct 2009	18 Dec 2009	A ⁺ - Late	77					
02.1.1.2.06	BM- Living Unit - Confirm position of major openings & elements on roof (rooftlights, plant etc.)	Architect	20 Oct 2009	02 Nov 2009	A ⁺ - Late	25					
02.1.1.2.07	BM- Living Unit - Finalise Roof layout for Client Sign Off	Architect	03 Nov 2009	30 Nov 2009	A ⁺ - Late	0					
02.1.1.2.08	BM- Living Unit - Finalise Elevations for Client Sign Off	Architect	03 Nov 2009	30 Nov 2009	A ⁺ - Late	0					
02.1.2 - 1:50 BUILDING LAYOUTS											
02.1.2.2 - 1:50 INDIVIDUAL ROOM LAYOUTS											
02.1.2.2.1 - FIRST ITERATION OF OF 1:50 ROOM LAYOUTS TO WINGS											
02.1.2.2.1.3	BM- Living Unit - First iteration of all necessary room elevations in wings	Architect	17 Dec 2009	07 Jan 2010	A ⁺ - Late	0					
02.1.2.2.2 - SECOND ITERATION OF OF 1:50 ROOM LAYOUTS TO WINGS											
02.1.2.2.2.1	BM- Living Unit - Second iteration of FF & E layouts for rooms to wings	Architect	15 Jan 2010	28 Jan 2010	A - Due to be completed	0					
02.1.2.2.2.2	BM- Living Unit - Second iteration of all necessary room elevations in wings	Architect	15 Jan 2010	28 Jan 2010	A - Due to be completed	0					
02.1.2.2.3 - FIRST ITERATION OF OF 1:50 ROOM LAYOUTS TO CORE AREA											
02.1.2.2.3.2	BM- Living Unit - First iteration of all necessary room elevations in core area	Architect	17 Dec 2009	07 Jan 2010	A ⁺ - Late	0					
02.1.2.2.4 - SECOND ITERATION OF OF 1:50 ROOM LAYOUTS TO CORE AREA											
02.1.2.2.4.1	BM- Living Unit - Second iteration of FF & E layouts for rooms to core area	Architect	15 Jan 2010	28 Jan 2010	A - Due to be completed	0					
02.1.2.2.4.2	BM- Living Unit - Second iteration of all necessary room elevations in core area	Architect	15 Jan 2010	28 Jan 2010	A - Due to be completed	0					
02.1.2.2.4.4	BM- Living Unit - Build 3D Model to incorporate all detailed room layouts and structural revisions	Architect	15 Jan 2010	04 Feb 2010	A - Due to be completed	0					
02.1.2.3 - ROOM DATA SHEETS											
02.1.2.3.1 - FIRST ITERATION OF ROOM DATA SHEETS											
02.1.2.3.1.1	BM- Living Unit - First iteration of RDS Part 1 - Room Reference Data & Finishes	Architect	15 Jan 2010	28 Jan 2010	A - Due to be completed	0					
02.1.2.3.1.2	BM- Living Unit - First iteration of RDS Part 2 - FF&E Data	Architect	15 Jan 2010	28 Jan 2010	A - Due to be completed	0					
02.1.2.3.2 - SECOND ITERATION OF ROOM DATA SHEETS											
02.1.2.3.2.2	BM- Living Unit - Second iteration of RDS Part 2 - FF&E Data	Architect	05 Feb 2010	18 Feb 2010	B - Due to be progressed	0					
02.1.3 - CAST IN ITEMS											
02.1.3.1 - GRILLES, GATES, WINDOWS & BARS											
02.1.3.1.1 - 1 DESIGN ISSUE FOR COMMENT											
02.1.3.1.1.2	BM- Living Unit - Produce initial grilles, gates, windows and bars schedules for wings	Architect	17 Dec 2009	23 Dec 2009	A ⁺ - Late	99					
02.1.3.1.1.4	Grilles, gates, windows and bars design information available for wings for comment for BM- Living Unit	Architect	23 Dec 2009	23 Dec 2009	A ⁺ - Late	99					
02.1.3.1.1.5	BM- Living Unit - Produce initial grilles, gates, windows and bars schedules for cores	Architect	24 Dec 2009	21 Jan 2010	A - Due to be completed	99					
02.1.3.1.2 - 2 DESIGN ISSUE FOR REVIEW											
02.1.3.1.2.2	BM- Living Unit - Finalise grilles, gates, windows and bars types schedules for wings	Architect	08 Jan 2010	14 Jan 2010	A - Due to be completed	90					

Completed Look Ahead for a given Focus period

Project:		PROGRESS REPORT #3 - 5th February 2010										
		Wbskplan start date: 09 Jan 2010 Focus period end date: 05 Feb 2010 Look-ahead period end date: 05 Feb 2010										
WBS	Activity Name	Responsibility	Start	Finish	Activity Priority	Current % Complete	New % Complete	Change in %	Expected Completion Date	Reason for Failure / Constraint	General Comments	
01 - BELMARSH SITE WIDE DESIGN												
01.1.1 - MASTER PLANNING & SITE LAYOUTS												
01.1.1.1 - MASTER PLANNING & SITE LAYOUTS FOR COMMENT												
01.1.1.1.5	BM- SW- Incorporate Client comments on site plan & re-issue	Architect	02 Dec 2009	10 Dec 2009	A* - Late	50	100	50		Design change	Issued 15/01/2010	
01.1.4 - INTERNAL SECURITY FENCING												
01.1.4.1 - INTERNAL SECURITY FENCING LAYOUTS FOR COMMENT												
01.1.4.1.2	BM- SW- Prepare initial internal security fencing details & elevations	Architect	07 Dec 2009	18 Dec 2009	A* - Late	0	100	100				
01.1.4.1.5	BM- SW- Incorporate Client comments on internal security fencing	Architect	12 Jan 2010	18 Jan 2010	A - Due to be completed	0	100	100			Issued 15/01/2010	
01.1.4.2 - INTERNAL SECURITY FENCING LAYOUTS FOR REVIEW												
01.1.4.2.1	BM- SW- Finalise internal security fencing layouts and sections	Architect	26 Jan 2010	01 Feb 2010	A - Due to be completed	0	100	100				
01.1.4.2.2	BM- SW- Finalise internal security fencing details & elevations	Architect	26 Jan 2010	01 Feb 2010	A - Due to be completed	0	100	100				
01.1.4.2.3	BM- SW- Internal security fencing information available for review	Architect	01 Feb 2010	01 Feb 2010	A - Due to be completed	0	100	100				
01.2.6 - HARD LANDSCAPING												
01.2.6.1 - HARD LANDSCAPING DESIGN FOR COMMENT												
01.2.6.1.6	BM- SW- Produce initial building access ramps details	Architect	26 Jan 2010	22 Feb 2010	B - Due to be progressed	0	10	10				
02 - BELMARSH LIVING UNIT												
02.1.1 - DESIGN DEVELOPMENT TO ISSUE INITIAL 3D MODEL												
02.1.1.1 - 1:200 BUILDING LAYOUTS												
02.1.1.1.3 - FINALISE 1:200 LAYOUTS & INITIAL 3D MODEL												
02.1.1.1.3.5	BM- Living Unit - Issue 3D Model of cores at 1:200 sign off to rest of team	Architect	16 Dec 2009	16 Dec 2009	A* - Late	50	95	45		Awaiting client sign off		
02.1.1.1.3.6	BM- Living Unit - 3D Model co-ordinated with structures and services requirements	Architect	16 Dec 2009	16 Dec 2009	A* - Late	0	0	0		Awaiting design information	SE and ME info awaited	
02.1.1.2 - SHELL & CORE												
02.1.1.2.02	BM- Living Unit - Confirm window & facade feature positions (squares, grilles etc.)	Architect	20 Oct 2009	18 Dec 2009	A* - Late	77	95	18		Awaiting design information	ME info awaited	
02.1.1.2.05	BM- Living Unit - Confirm position of major openings & elements on roof (rooflights, plant etc.)	Architect	20 Oct 2009	02 Nov 2009	A* - Late	25	50	25		Awaiting design information	ME info awaited	
02.1.1.2.07	BM- Living Unit - Finalise Roof layout for Client Sign Off	Architect	03 Nov 2009	30 Nov 2009	A* - Late	0	0	0		Awaiting design information	ME info awaited	
02.1.1.2.08	BM- Living Unit - Finalise Elevations for Client Sign Off	Architect	03 Nov 2009	30 Nov 2009	A* - Late	0	0	0		Awaiting design information	ME info awaited	
02.1.2 - 1:50 BUILDING LAYOUTS												
02.1.2.2 - 1:50 INDIVIDUAL ROOM LAYOUTS												
02.1.2.2.1 - FIRST ITERATION OF OF 1:50 ROOM LAYOUTS TO WINGS												
02.1.2.2.1.3	BM- Living Unit - First iteration of all necessary room elevations in wings	Architect	17 Dec 2009	07 Jan 2010	A* - Late	0	0	0		Awaiting Contractor Decision	Awaiting Contractor response on FF+E (Mg Dove)	
02.1.2.2.2 - SECOND ITERATION OF OF 1:50 ROOM LAYOUTS TO WINGS												
02.1.2.2.2.1	BM- Living Unit - Second iteration of FF & E layouts for rooms to wings	Architect	15 Jan 2010	28 Jan 2010	A - Due to be completed	0	0	0		Awaiting Contractor Decision	Awaiting Contractor response on FF+E (Mg Dove)	
02.1.2.2.2.2	BM- Living Unit - Second iteration of all necessary room elevations in wings	Architect	15 Jan 2010	28 Jan 2010	A - Due to be completed	0	0	0		Awaiting Contractor Decision	Awaiting Contractor response on FF+E (Mg Dove)	
02.1.2.2.3 - FIRST ITERATION OF OF 1:50 ROOM LAYOUTS TO CORE AREA												
02.1.2.2.3.2	BM- Living Unit - First iteration of all necessary room elevations in core area	Architect	17 Dec 2009	07 Jan 2010	A* - Late	0	0	0		Awaiting Contractor Decision	Awaiting Contractor response on FF+E (Mg Dove)	
02.1.2.2.4 - SECOND ITERATION OF OF 1:50 ROOM LAYOUTS TO CORE AREA												
02.1.2.2.4.1	BM- Living Unit - Second iteration of FF & E layouts for rooms to core area	Architect	15 Jan 2010	28 Jan 2010	A - Due to be completed	0	0	0		Awaiting Contractor Decision	Awaiting Contractor response on FF+E (Mg Dove)	
02.1.2.2.4.2	BM- Living Unit - Second iteration of all necessary room elevations in core area	Architect	15 Jan 2010	28 Jan 2010	A - Due to be completed	0	0	0		Awaiting Contractor Decision	Awaiting Contractor response on FF+E (Mg Dove)	
02.1.2.2.4.4	BM- Living Unit - Build 3D Model to incorporate all detailed room layouts and structural revisions	Architect	15 Jan 2010	04 Feb 2010	A - Due to be completed	0	0	0		Awaiting Contractor Decision	Awaiting Contractor response on FF+E (Mg Dove)	
02.1.2.3 - ROOM DATA SHEETS												
02.1.2.3.1 - FIRST ITERATION OF ROOM DATA SHEETS												
02.1.2.3.1.1	BM- Living Unit - First iteration of RDS Part 1 - Room Reference Data & Finishes	Architect	15 Jan 2010	28 Jan 2010	A - Due to be completed	0	15	15		Awaiting Contractor Decision	Awaiting Contractor instruction on RDS required for	
02.1.2.3.1.2	BM- Living Unit - First iteration of RDS Part 2 - FF&E Data	Architect	15 Jan 2010	28 Jan 2010	A - Due to be completed	0	5	5		Awaiting Contractor Decision	Awaiting Contractor response on FF+E (Mg Dove)	
02.1.2.3.2 - SECOND ITERATION OF ROOM DATA SHEETS												
02.1.2.3.2.2	BM- Living Unit - Second iteration of RDS Part 2 - FF&E Data	Architect	05 Feb 2010	18 Feb 2010	B - Due to be progressed	0	0	0		Awaiting Contractor Decision	Awaiting Contractor response on FF+E (Mg Dove)	
02.1.3 - CAST IN ITEMS												
02.1.3.1 - GRILLES, GATES, WINDOWS & BARS												
02.1.3.1.1 - 1 DESIGN ISSUE FOR COMMENT												
02.1.3.1.1.2	BM- Living Unit - Produce initial grilles, gates, windows and bars schedules for wings	Architect	17 Dec 2009	23 Dec 2009	A* - Late	99	100	1			Information issued 22/12/09 Excel +05/02/10	
02.1.3.1.1.4	Grilles, gates, windows and bars design information available for wings for comment for BM- Living Unit	Architect	23 Dec 2009	23 Dec 2009	A* - Late	99	100	1			Information issued 22/12/09 Excel +05/02/10	
02.1.3.1.1.5	BM- Living Unit - Produce initial grilles, gates, windows and bars schedules for cores	Architect	24 Dec 2009	21 Jan 2010	A - Due to be completed	99	100	1			Information issued 22/12/09 Excel +05/02/10	
02.1.3.1.2 - 2 DESIGN ISSUE FOR REVIEW												
02.1.3.1.2.2	BM- Living Unit - Finalise grilles, gates, windows and bars types schedules for wings	Architect	08 Jan 2010	14 Jan 2010	A - Due to be completed	90	90	0		Awaiting Contractor Decision	Requires comment returned by Contractor	

Performance & Current Progress Data

- o Tracking the Critical Path
- o Tracking Design Days
- o Tracking PPC



Prediction & Rectification Data

- o Milestone Tracking
- o Root Cause Analysis
- o Work in Progress



A Typical Dashboard Layout

Key Milestone Tracking

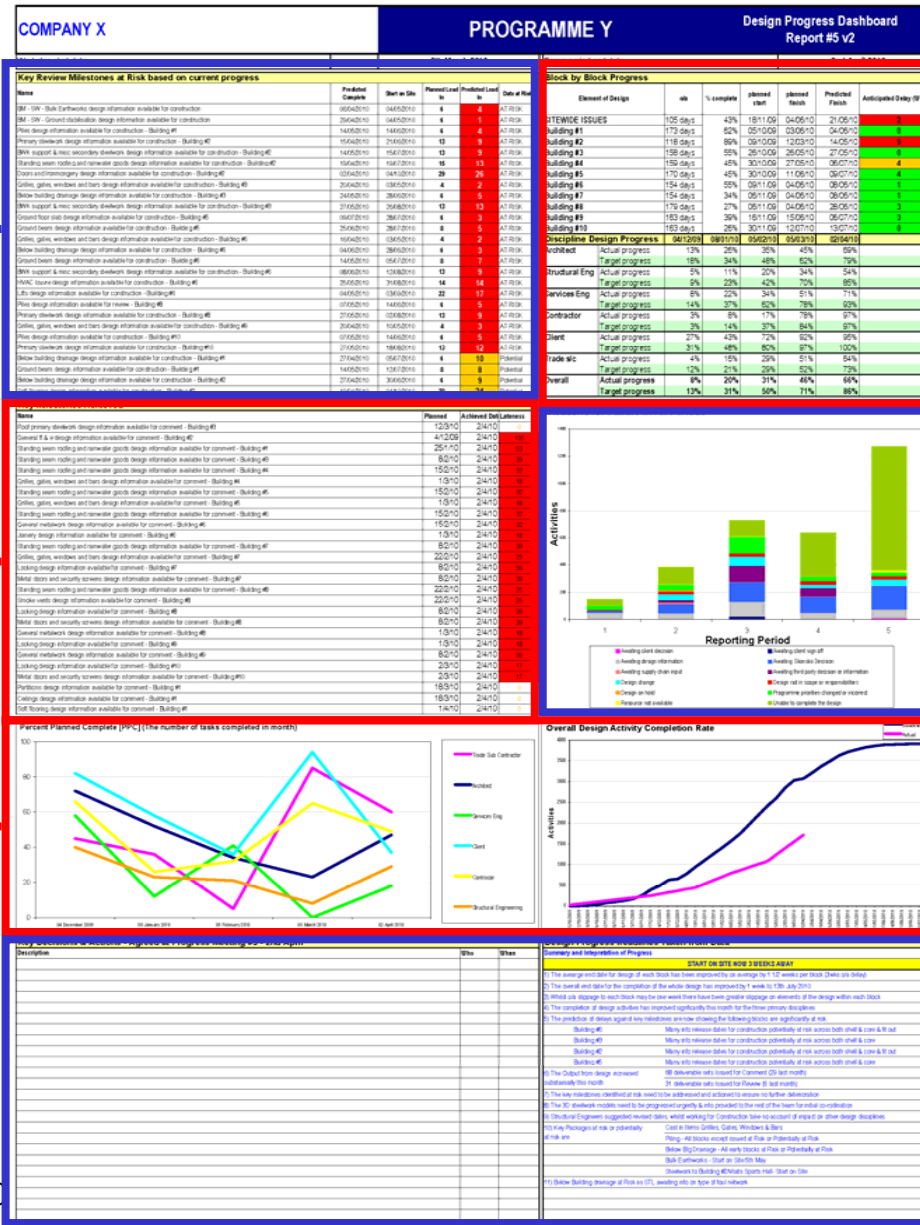
Documents issued

Planned Percent Complete Reporting

Critical Path & Design Days Reporting

Reasons For Delay across all periods

Commentary & Actions



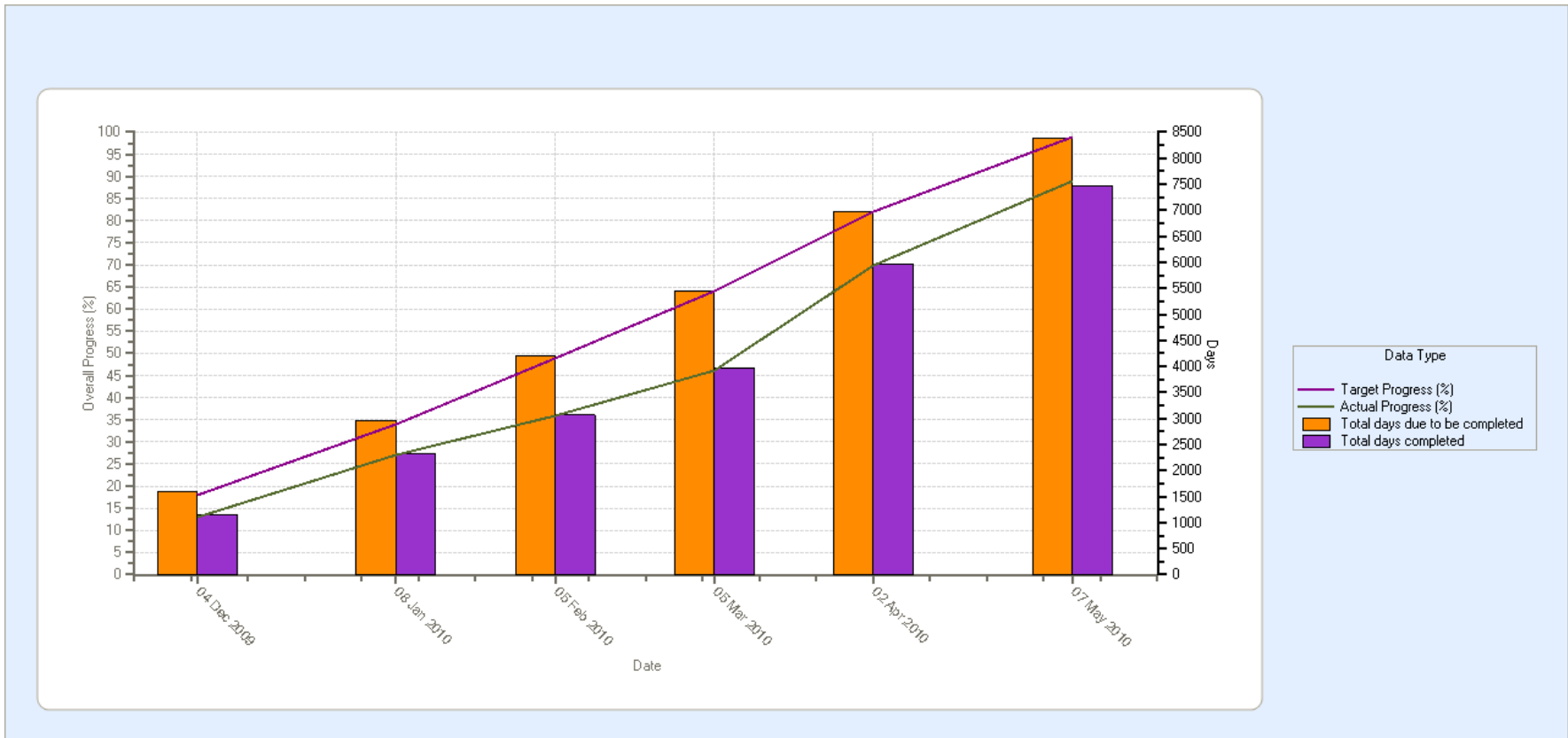
Reporting #1 - Tracking the Critical Path

Building by Building Design Progress							
Element of Design	o/a	% complete	planned start	planned finish	Predicted Finish	Anticipated Delay (Weeks)	Delays Predicted in Last Report
Building One	105 days	43%	18/11/09	04/06/10	21/06/10	2	0
Building Two	173 days	62%	05/10/09	03/06/10	04/06/10	0	3
Building Three	118 days	89%	09/10/09	12/03/10	14/05/10	9	6
Building Four	158 days	55%	26/10/09	26/05/10	27/05/10	0	6
Building Five	159 days	45%	30/10/09	27/05/10	06/07/10	4	4
Building Six	170 days	45%	30/10/09	11/06/10	09/07/10	4	6
Building Seven	154 days	55%	09/11/09	04/06/10	08/06/10	1	5
Building Eight	154 days	34%	06/11/09	04/06/10	08/06/10	1	5
Building Nine	179 days	27%	06/11/09	04/06/10	28/06/10	3	5
Building Ten	163 days	26%	30/11/09	12/07/10	13/07/10	0	1

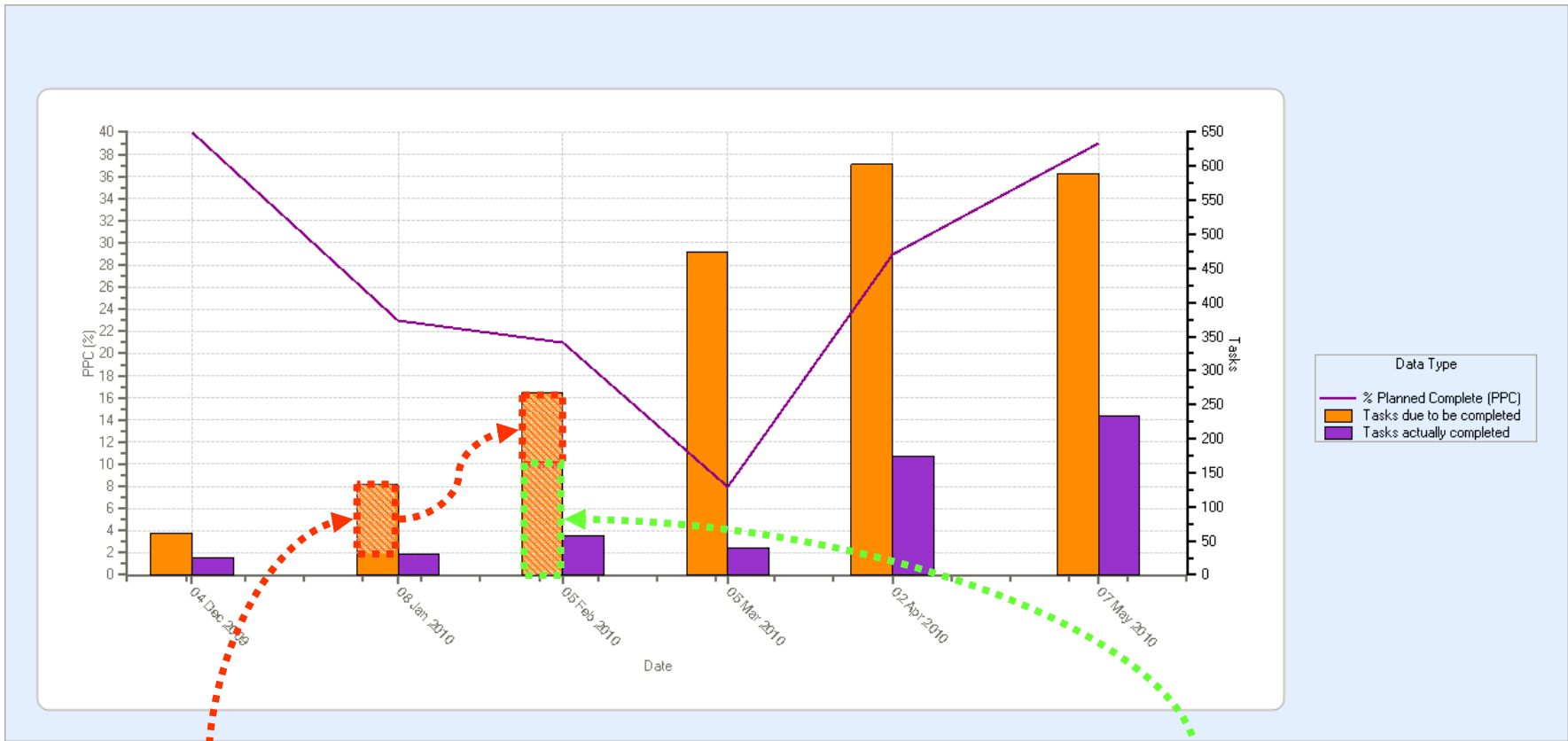
Improving from last report
Holding from last report
Deteriorating from last report

adept management ltd

Reporting #2 - Design Days Graph



Reporting #3 - Planned Percentage Complete (PPC) Graphs



Tasks not completed in a given period carried over to next month

New Tasks to be completed in a given period

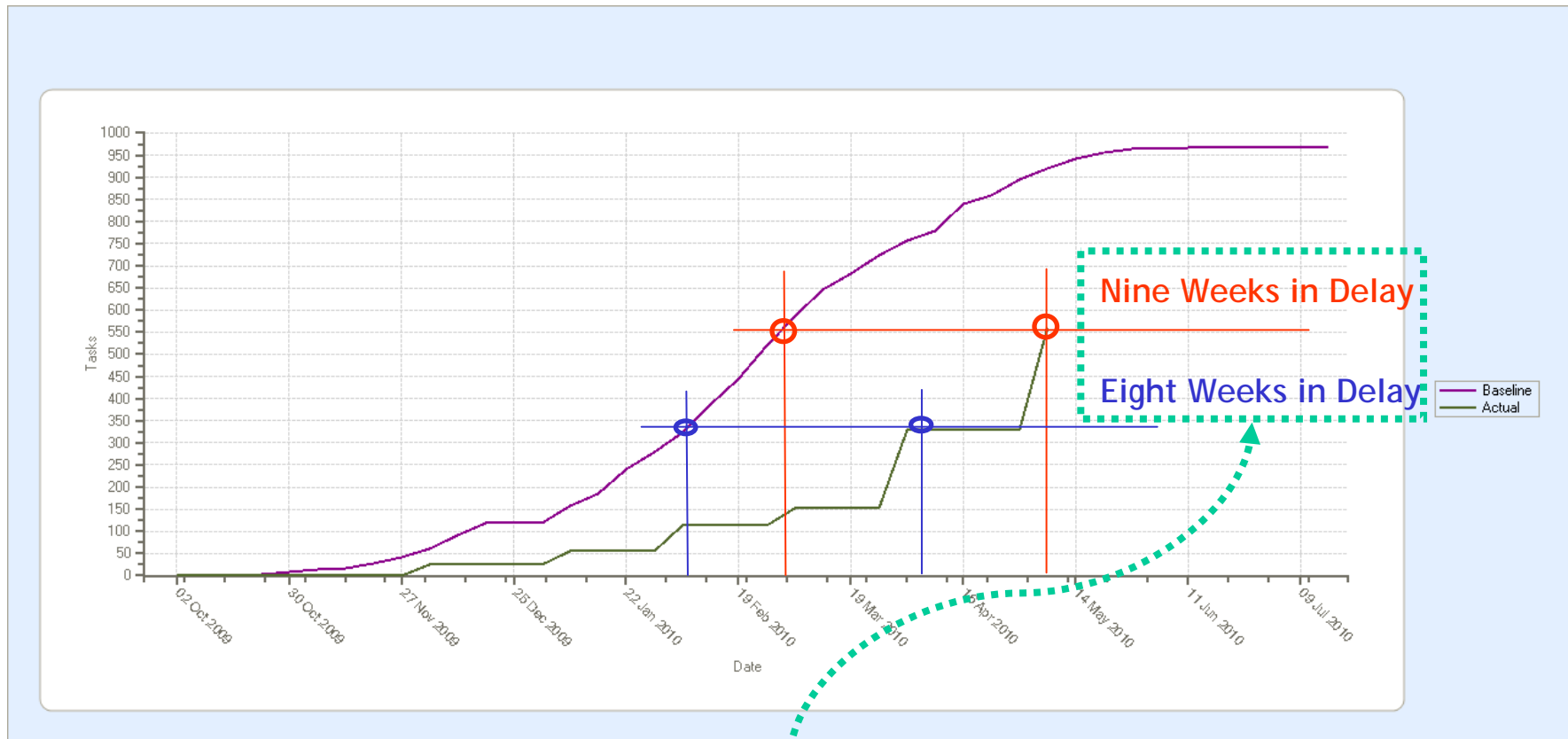
Planned Percentage Complete (PPC) Graphs

The Nos of tasks completed has increased in the last two months suggesting that more design is being produced - in this case because more resource was provided.



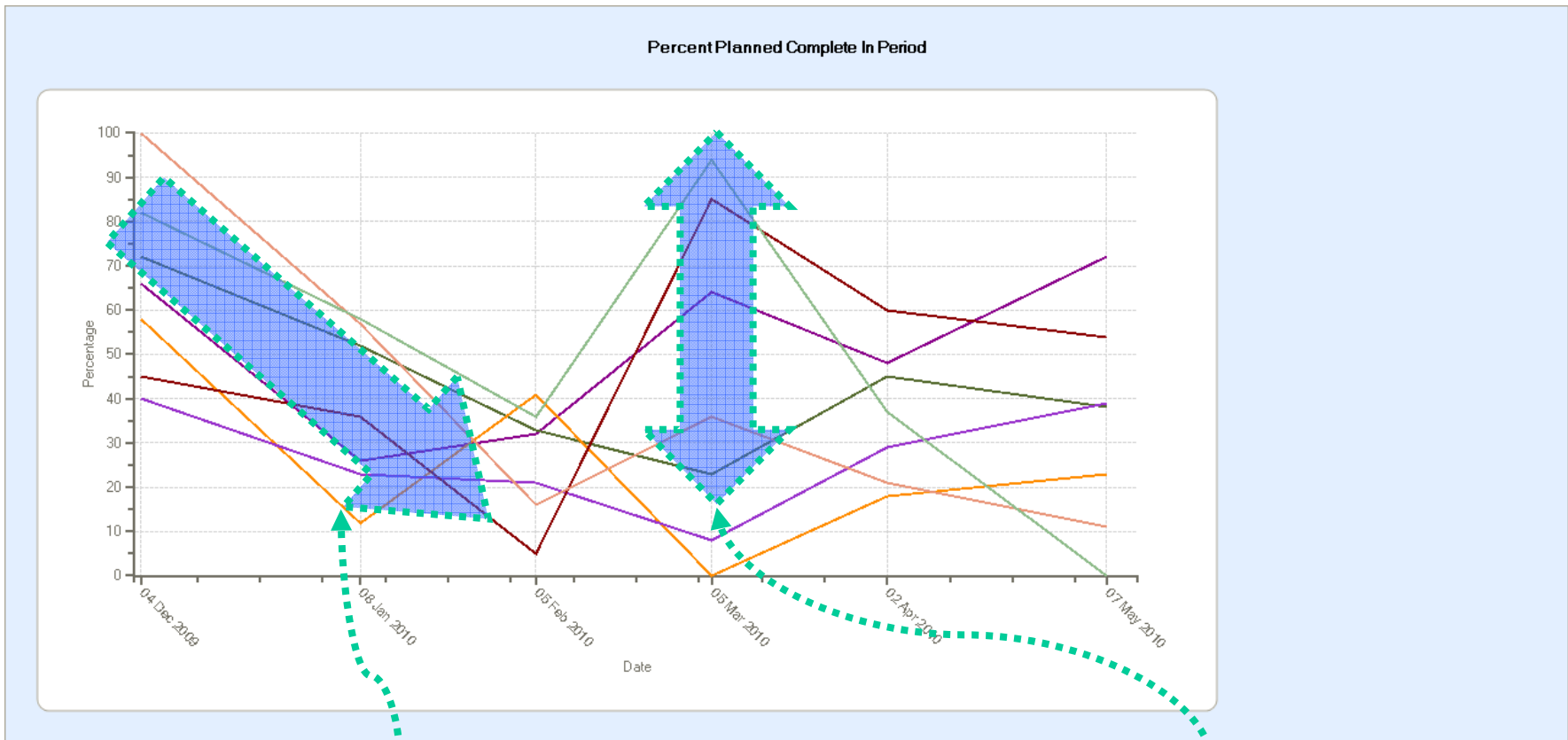
This demonstrates that a similar number of tasks were being completed each month and that the team was consistently under resourced & getting further and further behind schedule

Plotting PPC onto a S Curve to estimate delays



This measure represents a worst case delay to the project. In very basic terms this interpolation says that "we should have completed this number of tasks 'x' weeks ago, therefore we can say that we are 'x' weeks in delay". This scale of delay would, of course, be avoided in practice.

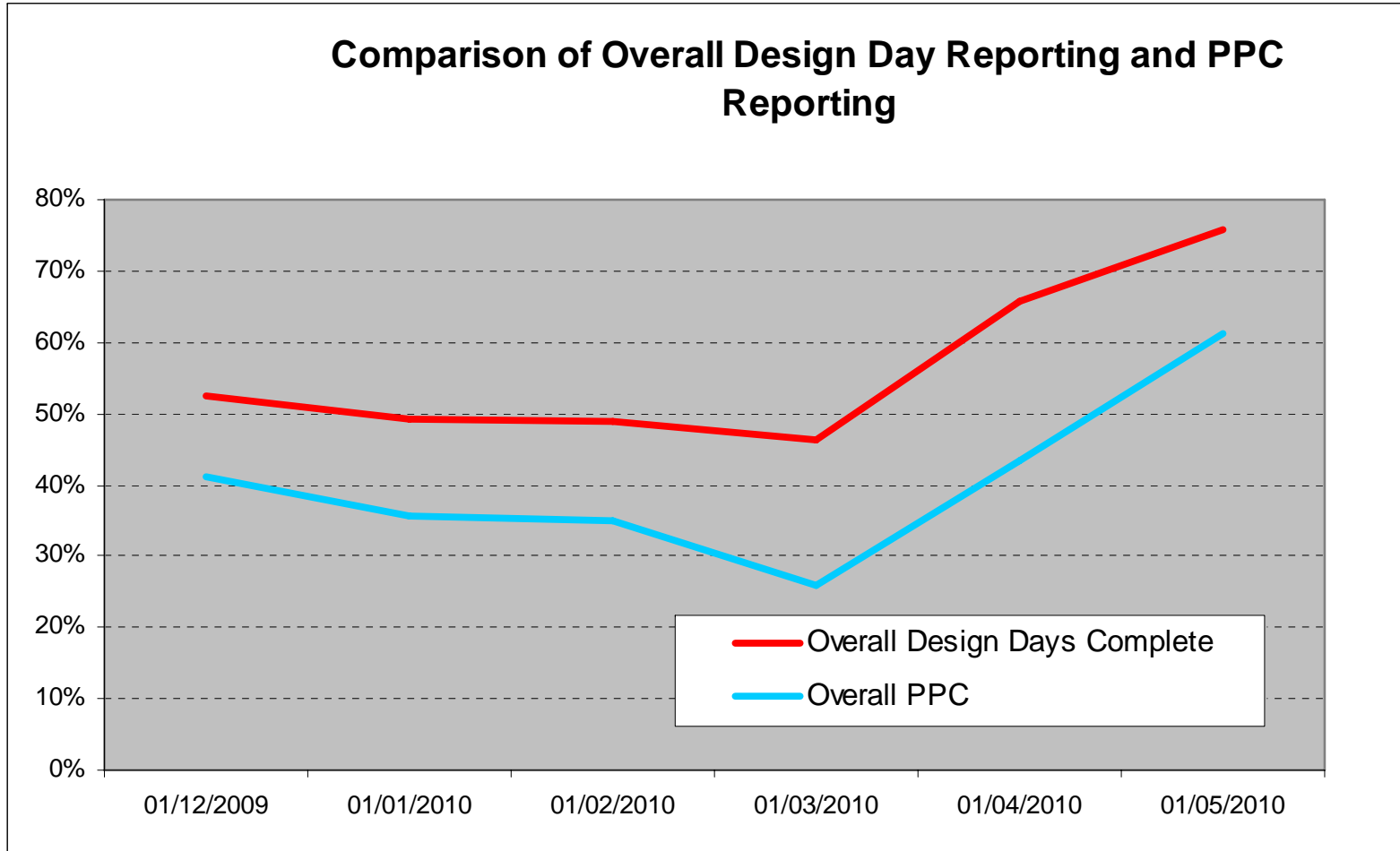
Comparing PPC for Different Disciplines



All disciplines' PPC decreasing uniformly would suggest either the schedule is incorrect or a consistent reason for failure is driving performance downward and as such, must be found & addressed urgently

Varying Performance across the team usually precedes a drop-off in performance across the team for the next period as design disciplines are proceeding at different rates and as such, are more likely to lack coordination

Comparison of Overall Design Days & PPC Reporting



Comparing Performance Measures

	Measuring Delay by Design Days Completed			Measuring Delay by Planned Percentage Complete	
	Actual/Target design days completed at report date	Actual/Target days of o/a design days in schedule	Overall Design Day Progress	Actual/Target Activities Completed	PPC
Architect	5986 days	69% of Total	87%	701 no	70%
	6905 days	79% of Total		995 no	
Structural Engineer	4399 days	54% of Total	64%	369 no	44%
	6834 days	85% of Total		838 no	
Services Engineer	9296 days	71% of Total	76%	349 no	42%
	12287 days	93% of Total		816 no	
Trade Contractor	1453 days	64% of Total	87%	82 no	87%
	1670 days	73% of Total		94 no	
Overall	22483 days	66% of Total	77%	1717 no	55%
	29492 days	86% of Total		3097 no	

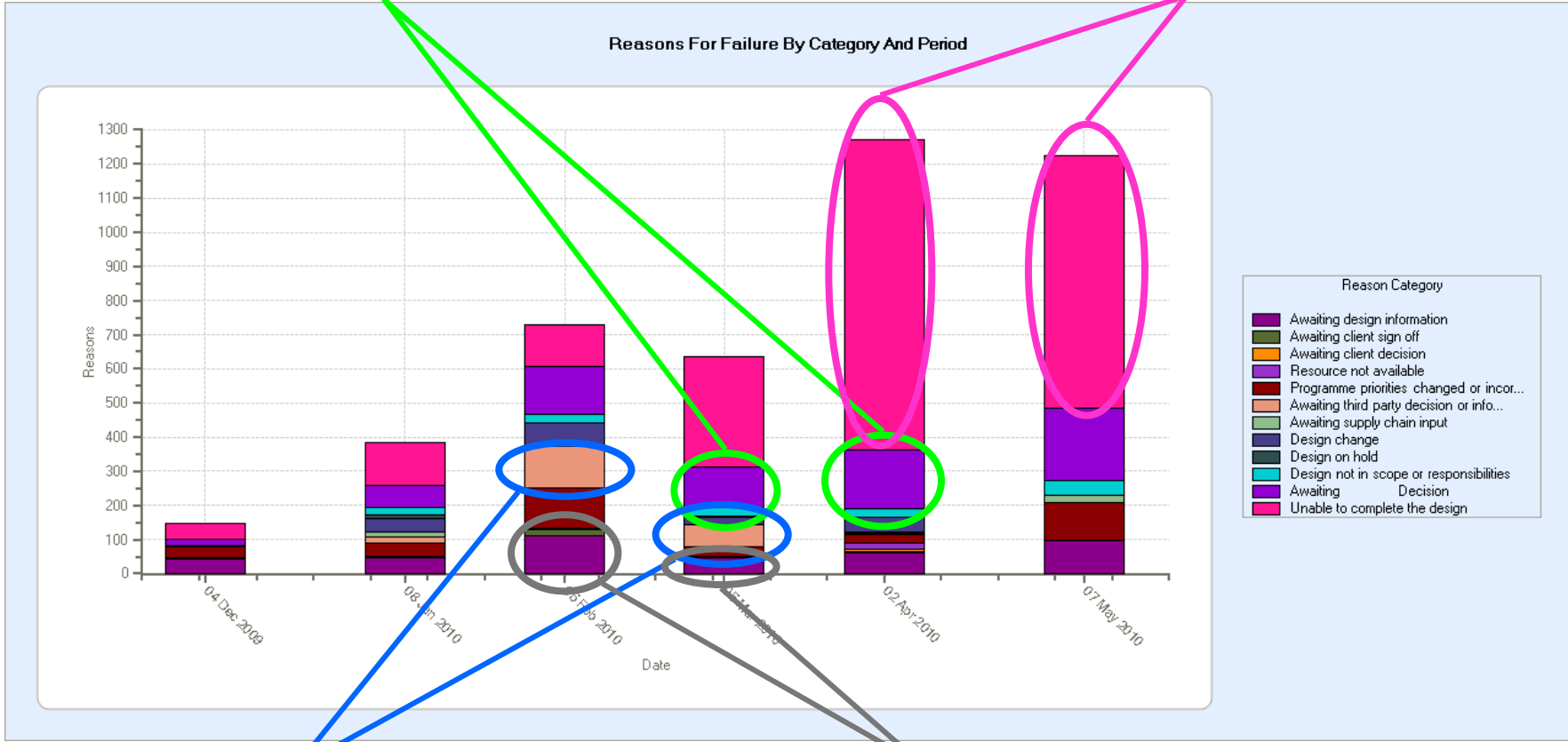
Comparing Performance Measures

- o Measuring performance by a % of **Design Days** provides a much better apparent performance than measuring **PPC**.
- o Measuring **Design Days** allows the design team to report very subjectively against individual activities
- o Measuring **PPC** is objective, however **PPC** takes no account of work in progress nor the work that is partially complete.
- o The true performance of the design disciplines is somewhere between these two extremes (i.e., these are indicators of performance, not absolute measures)
- o As both tender and construction are driven by the need for deliverables, the truer measure of performance and therefore delay is measuring **PPC**

Understanding the Root Cause of Delays

Awaiting Contractor Decision

Unable to complete Design



Awaiting third party info

Awaiting design info

Construction Milestones at Risk

Report Date - 5th March 2010

DESIGN RELEASE FOR CONSTRUCTION

Design & Construction Interface Dates - Report #4 05-03-2010	Start	Predicted Completion	Start on Site	Planned Lead in	Predicted Lead In	Required Lead in	Status
BM - SW - Bulk Earthworks design information available for construction	05/04/2010	06/04/2010	04/05/2010	4	4	6	AT RISK
BM - SW - Ground stabilisation design information available for construction	19/04/2010	29/04/2010	04/05/2010	2	1	6	AT RISK
Piles design information available for construction for BM - Living Unit	25/02/2010	14/05/2010	14/06/2010	15	4	6	AT RISK
Primary steelwork design information available for construction for BM - Visitors	01/02/2010	15/04/2010	21/06/2010	20	9	13	AT RISK
BWVK support & misc secondary steelwork design information available for construction for BM - Visitors	01/02/2010	14/05/2010	15/07/2010	23	9	13	AT RISK
Standing seam roofing and rainwater goods design information available for construction for BM - Visitors	25/12/2009	19/04/2010	19/07/2010	29	13	15	AT RISK
Doors and Ironmongery design information available for construction for BM - Visitors	18/12/2009	02/04/2010	04/10/2010	41	26	29	AT RISK
Grilles, gates, windows and bars design information available for construction for BM - FM	12/02/2010	20/04/2010	03/05/2010	11	2	4	AT RISK
Below building drainage design information available for construction for BM - FM	29/03/2010	24/05/2010	28/06/2010	13	5	6	AT RISK
BWVK support & misc secondary steelwork design information available for construction for BM - FM	13/05/2010	27/05/2010	26/08/2010	15	13	13	AT RISK
Ground floor slab design information available for construction for BM - Health & Education	13/05/2010	09/07/2010	28/07/2010	11	3	6	AT RISK
Ground beam design information available for construction for BM - Health & Education	29/04/2010	25/06/2010	28/07/2010	13	5	8	AT RISK
Grilles, gates, windows and bars design information available for construction for BM - Gatehouse	26/02/2010	16/04/2010	03/05/2010	9	2	4	AT RISK
Below building drainage design information available for construction for BM - Gatehouse	02/04/2010	04/06/2010	28/06/2010	12	3	6	AT RISK
Ground beam design information available for construction for BM - Gatehouse	19/04/2010	14/05/2010	05/07/2010	11	7	8	AT RISK
BWVK support & misc secondary steelwork design information available for construction for BM - Gatehouse	29/04/2010	08/06/2010	12/08/2010	15	9	13	AT RISK
HVAC louvre design information available for construction for BM - Gatehouse	12/04/2010	25/05/2010	31/08/2010	20	14	14	AT RISK
Lifts design information available for construction for BM - Gatehouse	15/02/2010	04/05/2010	03/09/2010	29	17	22	AT RISK
Piles design information available for review for BM - Visits & Admin	12/03/2010	07/05/2010	14/06/2010	13	5	6	AT RISK
Primary steelwork design information available for construction for BM - Visits & Admin	22/03/2010	27/05/2010	02/08/2010	19	9	13	AT RISK
Grilles, gates, windows and bars design information available for construction for BM - Care & Sep	22/02/2010	20/04/2010	10/05/2010	11	3	4	AT RISK
Piles design information available for construction for BM - Sportshall	22/03/2010	07/05/2010	14/06/2010	12	5	6	AT RISK
Primary steelwork design information available for construction for BM - Sportshall	13/04/2010	27/05/2010	18/08/2010	18	12	13	AT RISK

Predicted Completion Dates between a month and four months after Report Date

Does it Work – Contractor’s View Point?

“ We have used [ADePT] on a few projects now, to facilitate a collaborative planning workshop, produce an integrated design schedule, co-ordinate that with the procurement & construction schedules and manage the reporting against the integrated schedule thereafter. We have been so impressed with the methodology, we have bought software licences and are training design managers/co-ordinators to manage the process in-house.”

Contractor Head of Design

“ As a Management Team we get to clearly see how the design team is performing against our integrated project schedule and what issues are preventing the team from delivering. We also get to see trends in performance over time which can be very informative.”

“ The technique is powerful in improving the design team's ability to deliver to the schedule and in their performance in general. It has contributed to our efforts to continuously improve and we find ourselves in a much stronger position to deliver key procurement and construction information” .

Contractor Design Director

Does it Work – Design Team View Point?¹

- o “Identification and removal of “turbulence”
- o “Greater certainty of design co-ordination”
- o “Ability to better prioritise design work”
- o “Focus on task completion”
- o “Effective integration of sub-contractor design”
- o “Better change management”
- o “Improved team collaboration”
- o “Self-policing design team”
- o “Design fee validation”

¹ Taken From Capita Symonds Report - 2006 reviewing the Benefits of ADePT on projects

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