Asta Powerproject

PROJECT MANAGEMENT SOFTWARE FOR CONSTRUCTION AND ENGINEERING PROFESSIONALS

Version 12

asta
An Eleco plc Company

The benchmark project management solution

Since 1988, companies across the construction and engineering industries have turned to **Asta Powerproject** to help get ahead: delivering professional tenders; managing resources such as labour and materials; communicating with stakeholders and trades; and retaining accurate, up to date information, to protect from the risk of delay, disruption and litigation.

Asta Powerproject Software Timeline

1988						1995				2000				
88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	0
1				**2**		**3**			**4**		**5**	**6**		**7**		**8**

Asta Powerproject Version
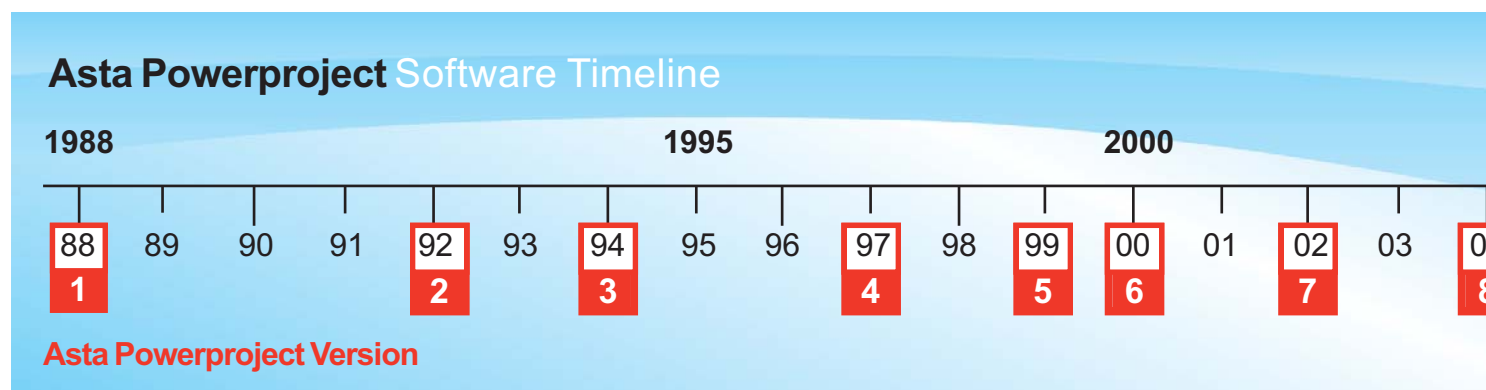
Used by 90% of the top UK main contractors* and sold worldwide to over 60,000 users in 7 different languages'

Driven by construction customers independent user group feedback, **Asta Powerproject** Version 12 is designed to handle the business challenges that face construction project management today and provides robust tools that are easy to use and offer the power and flexibility to plan and manage projects more proficiently and successfully.

*Building Magazine, European League Tables, 2011

Suitable for any size of company and any type of project

Asta Powerproject can provide any size of company – from the smallest planning consultancy to the largest global contractor – with a firm foundation for project management achievement and future growth.

It is used on all types of projects including: house building; general commercial build such as schools, offices and hospitals, as well as road and rail construction and maintenance.
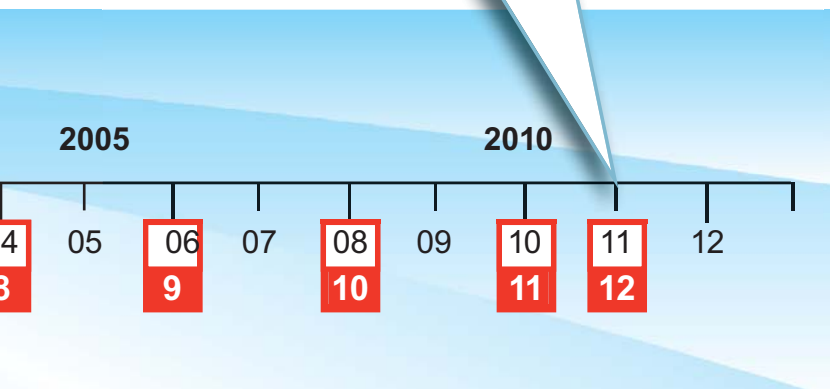
for construction and engineering

Asta Powerproject

Asta Powerproject Version 12 has been built and honed following continuous development and integration of user feedback.
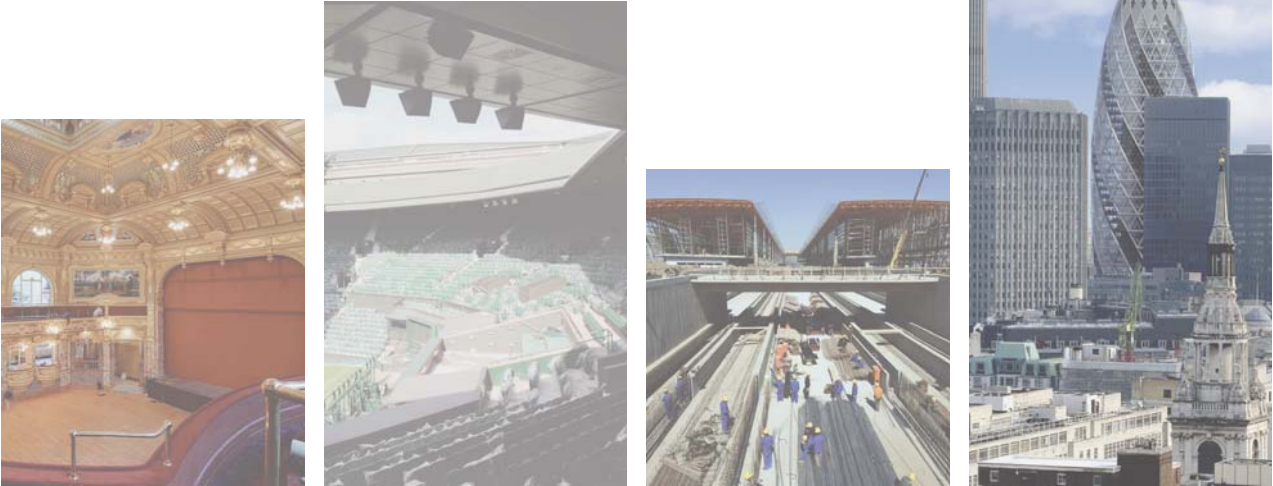
- ▼ High performance scheduling
- ▼ Control of project and resource plans
- ▼ Prevention and protection against project claims
- ▼ Acutely accurate progress reporting
- ▼ Proven scalability – from 1 to 1000+ users
- ▼ Enhanced presentation of plans
- ▼ Easy management of sub contractors
- ▼ Powerful, tailored reporting
- ▼ Improved communication and collaboration

2005   **2010**

4	05	06	07	08	09	10	11	12
3		**9**		**10**		**11**	**12**	

Flexible licencing options to manage single or multiple projects in standalone or multi-user environment

Asta Powerproject is available with supported licencing options – to, standalone, concurrent or multi-user making the software cost-effective no matter whether you need it for 1 or 1000+ users. The multi-user version enables a number of people to access and work on the same project plan at the same time.

Asta Powerproject is used on a host of small, mid and high profile projects including: Edinburgh Royal Infirmary, Harrogate Royal Hall, Wimbledon and the Lloyds Gherkin.

Communicate and present outstanding project plans

Asta Powerproject is the recognised standard for high performance project management, scheduling and resource control. Its unrivalled presentation tools help to win project tenders and communicate effectively.
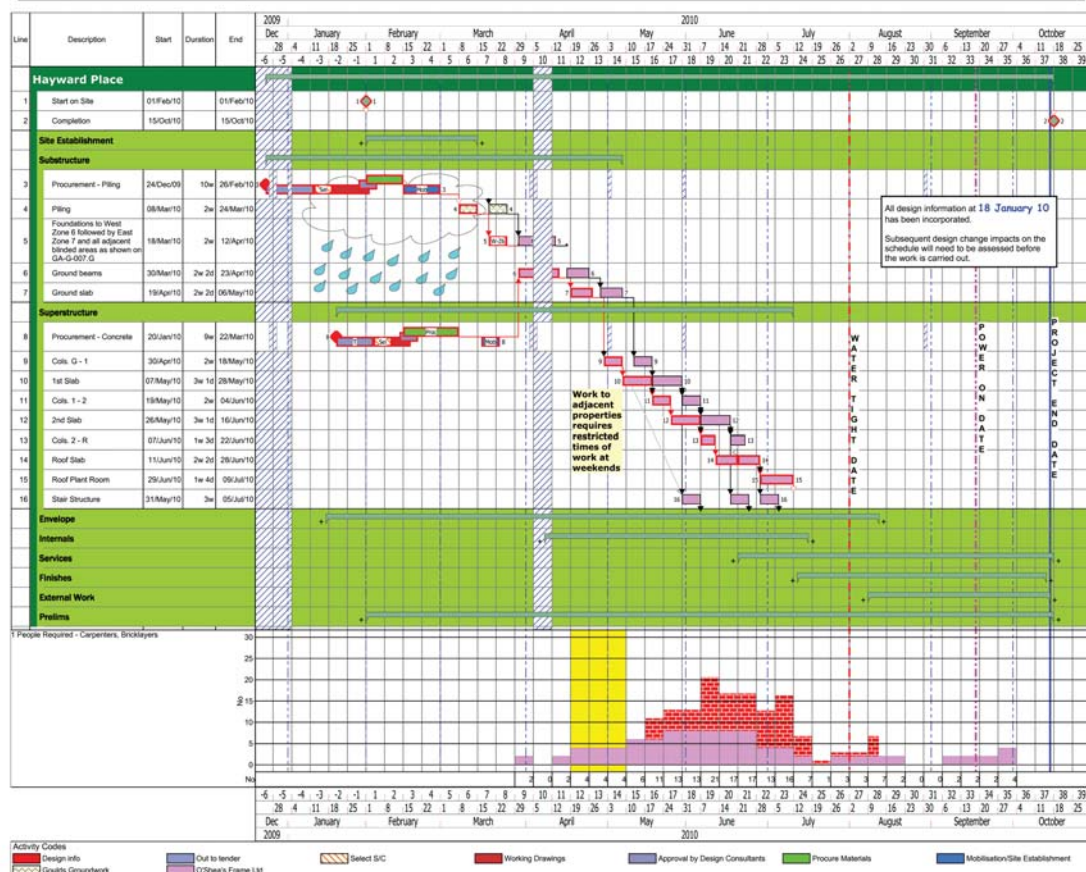
- Highlight important information with annotations – add text, BMP, WMF, EMF, JPG and GIF graphics etc.

- Import Microsoft Windows objects: Excel spreadsheets, AutoCAD etc.

- Create graphical surrounds to your output. Borders can be created with the included PowerDraw software

- Gain output quality that is fully 'what you see is what you get'

- Get to what you want quickly with multiple scaling aspects

- Choose which features are displayed such as float, non-driving links etc.

- Save Views, certain aspects of a Project, or the full Project, as HTML output with graphics if required for Intranet/Extranet/Internet Publishing

> **Asta Powerproject is a straightforward tool and very simple to use, it can cope with all size of projects from small to complex and offers excellent presentation features.**
>
> **Paul Crockett**
> **Chief Planner, Henry Boot**

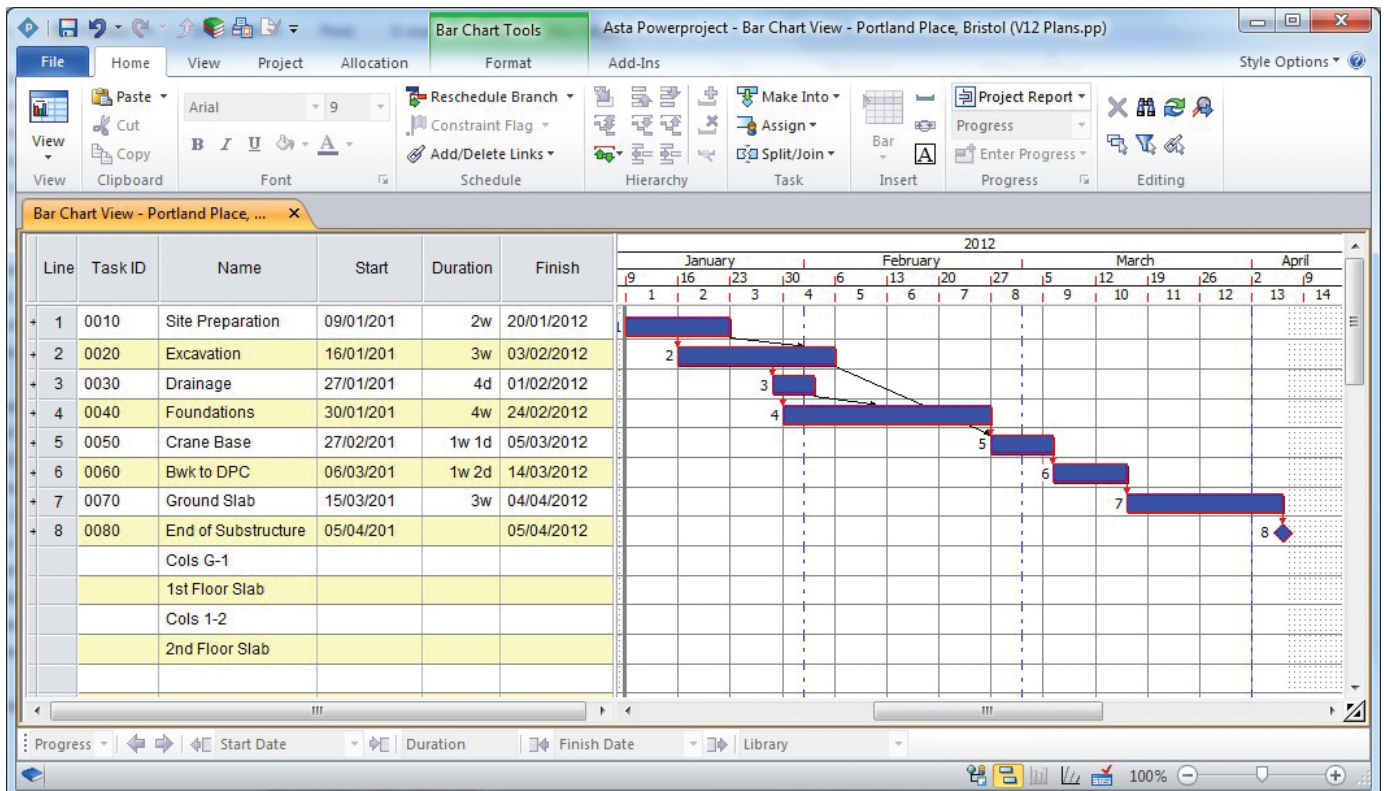Project: Hayward Place, New Town

Get planning quickly and efficiently

Asta Powerproject is the fastest way to create construction and engineering project plans.

- Familiar Microsoft-style interface
- Unique project view for easy manipulation and assignment of tasks
- Intuitive 'drag and drop' assignment of resources, codes etc
- Classic spreadsheet with formulas and bar chart (Gantt)
- Integral pre-defined templates
- Unlimited Undo and Redo even after saving
- Publishes or imports tasks to/from Microsoft Outlook
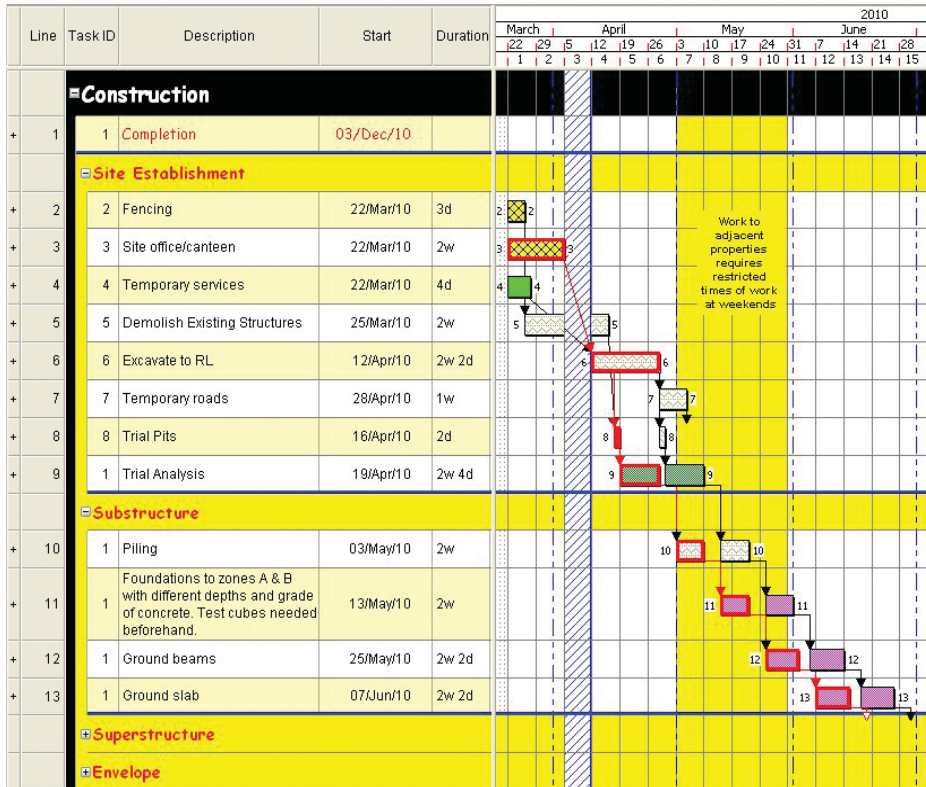- Customisable Work Breakdown Structure (WBS)

> **Asta Powerproject is far easier to use than other planning tools and far more visual. In addition it is great for communicating information – in fact it is the best tool I've ever seen for this.**
>
> **Gavin Clegg**
> **Contract Services Manager,**
> **North Midland Construction.**

Get planning quickly and efficiently with classic spreadsheet and bar chart (Gantt)

Line	Task ID	Description	Start	Duration
		▬Construction		
1	1	Completion	03/Dec/10	
		▬Site Establishment		
2	2	Fencing	22/Mar/10	3d
3	3	Site office/canteen	22/Mar/10	2w
4	4	Temporary services	22/Mar/10	4d
5	5	Demolish Existing Structures	25/Mar/10	2w
6	6	Excavate to RL	12/Apr/10	2w 2d
7	7	Temporary roads	28/Apr/10	1w
8	8	Trial Pits	16/Apr/10	2d
9	1	Trial Analysis	19/Apr/10	2w 4d
		▬Substructure		
10	1	Piling	03/May/10	2w
11	1	Foundations to zones A & B with different depths and grade of concrete. Test cubes needed beforehand.	13/May/10	2w
12	1	Ground beams	25/May/10	2w 2d
13	1	Ground slab	07/Jun/10	2w 2d
		⊞Superstructure		
		⊞Envelope		

Jagged progress line can highlight problem areas

Control and schedule more precisely

Protect against claims and plan for the unexpected, with analytical tools that can help you: control and schedule accurately, quickly identify and resolve any potential problems, and keep unequivocal records.

▼ Multiple critical paths if required

▼ Comprehensive calendar control, with all working conditions accommodated and any task or resource having any calendar

▼ Links can be drawn to maintain offsets between tasks

▼ Projects (and parts of projects) can be rescheduled (Critical Path Analysis)

▼ Tasks can be summarised into hierarchical work breakdown structure (WBS) of any complexity

▼ Unlimited number of Baselines with all original details retained

▼ Jagged progress line can highlight problem areas

▼ Create any type and number of links without having to specify the link type or lead/lag

Work Breakdown Structure

WBS Code	WBS Name	Task count	Start date	Finish date
⊟1.	Project			
1.1	Procurement	92	08/02/10 08:00	08/10/10 17:00
⊟1.2.	Construction			
1.2.1	Site Establishment	10	08/03/10 08:00	23/04/10 17:00
1.2.2	Substructure	8	19/04/10 08:00	10/06/10 17:00
1.2.3	Superstructure	16	04/06/10 08:00	13/08/10 17:00
1.2.4	Envelope	12	23/06/10 08:00	15/09/10 17:00
1.2.5	Internals	7	12/07/10 08:00	19/08/10 17:00
⊟1.2.6.	Services	1	22/10/10 17:00	22/10/10 17:00
1.2.6.1	1st Fix	12	26/07/10 08:00	01/10/10 17:00
1.2.6.2	2nd Fix	13	27/09/10 08:00	19/11/10 17:00
1.2.7	Finishes	32	17/08/10 08:00	17/11/10 17:00
1.2.8	External Works	6	13/09/10 08:00	18/11/10 17:00
⊟1.2.9	Prelims			
1.2.91	Staff	5	08/03/10 08:00	19/11/10 17:00
1.2.92	Plant	3	03/06/10 08:00	15/11/10 17:00
1.2.93	General	2	08/03/10 08:00	19/11/10 17:00

＋ Add   ▬ Remove   ⇦ Outdent   ⇨ Indent   ⇧ Up   ⇩ Down

Hierarchy Appearance...   Close
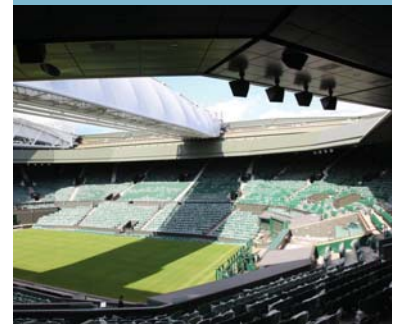
Understand and control project costs and resources
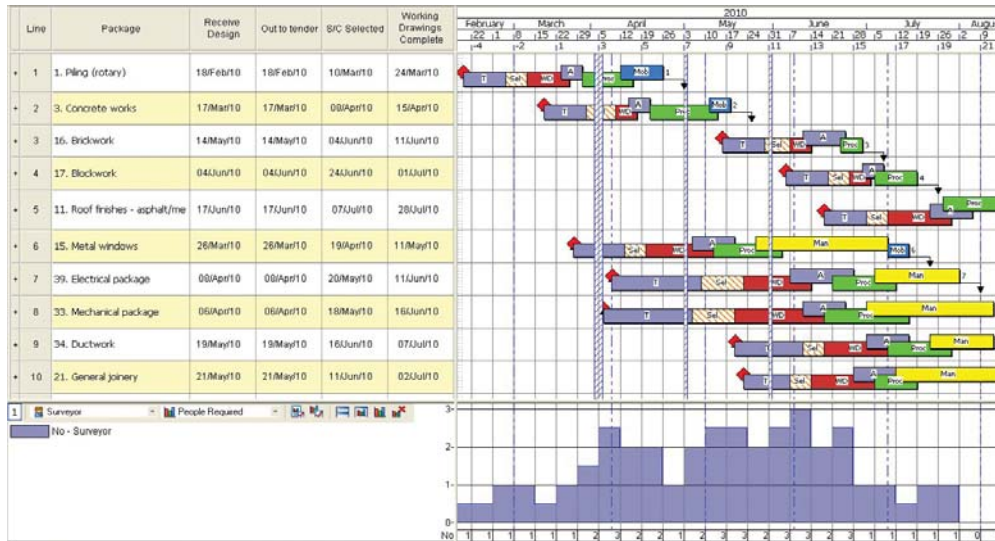
Manage different resources - labour, plant, materials etc.

Meet targets with **Asta Powerproject**. Gain the tools to be proactive with 'what if' analysis and store historical reports and analysis of costs, resource assignments and earned value. **Asta Powerproject** enables you to compare planned versus actual costs to help you to improve processes or enable estimates to be more accurate.

- Manage different resources – labour, plant, materials etc.
- Develop cost centres and assign monetary values to tasks or resources
- Control the appearance of activities, resources and costs with colour-coding and legends
- Multi-currency support £, $, DM etc.
- Define own currencies and fixed exchange rates between any of them
- Create your own formulae and display the results in the spreadsheet columns

> **Asta Powerproject enabled us to predict the cost and impact on the overall delivery schedule of the project when implementing new activities. It enabled us to provide 'what if scenarios' for a number of different solutions to a given requirement.**
>
> **Derek Clayton, MCIOB**
> **Planning Engineer, BAM Construction Ltd**

Compare planned versus actual cost
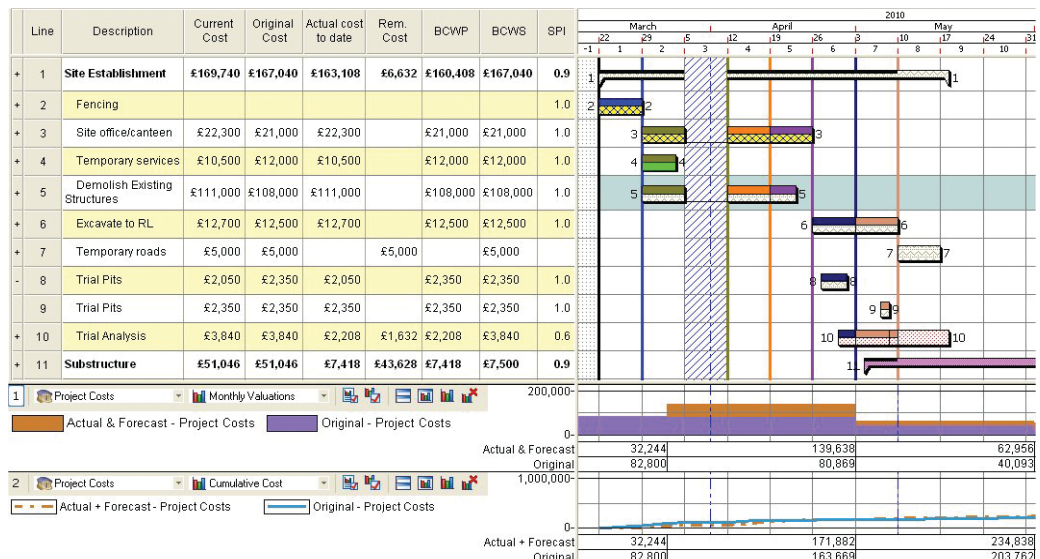
Acutely accurate progress reporting

Timely and accurate reporting improves decision making. With **Asta Powerproject** you gain an instant snapshot of project performance, expectations of the job and saved historical records in very fine detail, all of which can protect against litigation and claims.

- Record events in every progress reporting period – actual cost, effort, % of work remaining

- Record multiple gaps and 'resume dates' showing the true record of intermittent activities

- Display recorded progress percentage against baseline tasks in special Jagged Progress View – ideal for managers who don't want to show the effects on the forecast date

- Monitor planned versus actual progress by taking unlimited baselines

- Easily create various tabular reports to enable you to export data to Excel and produce graphical reports to make diagnostics easier.


Example of a Project Summary Report.

" Asta Powerproject is our standard planning tool. It is very easy for a planner to pick up another planner's work and to convey messages to people using the filters and colour coding features. We work with simple communications tools but need the detail behind them to prove that the plan is realistic and Asta Powerproject gives us that capability. "

**Phil Solomon
Planning Operations Director,
Mace**

Improve collaboration and communication
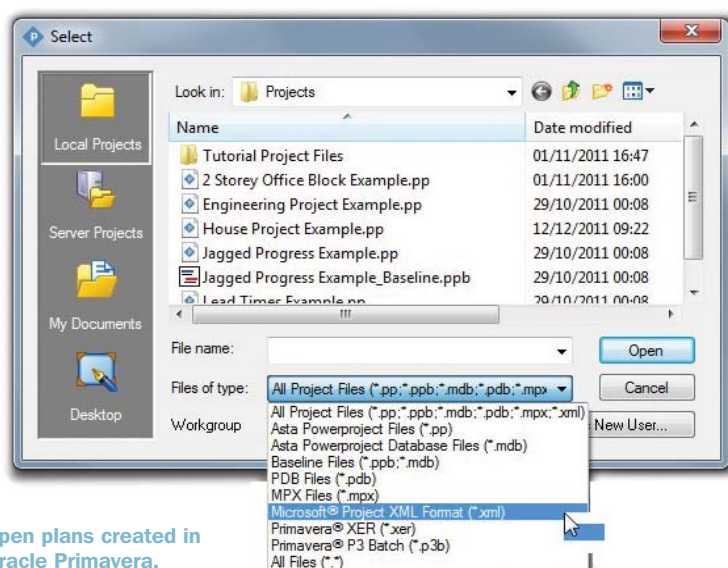
Open plans created in Oracle Primavera, Microsoft Project, Asta Easyplan, Excel and more.

Whether you are a trade or small contractor or one of the largest building contractors, you will no doubt need to share your project data and plans with other construction companies as well as with clients.

No matter the size of project or the number of stakeholders involved, **Asta Powerproject** enables you to exchange project data quickly, easily and cost-effectively.

- Open plans created in Oracle Primavera, Microsoft Project, Excel, Asta Easyplan and more

- Use the freely available Asta Project Viewer, downloadable from our website, to enable anyone to view an **Asta Powerproject** file, or plan created in Microsoft Project or Oracle Primavera software

Plan and manage repeated tasks

Useful for house builders and procurement in construction

There are times, particularly in house building or the procurement and finishing stages in all construction projects, when users need to plan and manage repeated tasks along one row of the plan. In **Asta Powerproject** you can:

- Save planning time and space on the Gantt chart by overlapping repeated tasks on the same bar line

- Build in the required lead/lag time by overlapping tasks

- Copy and paste the complete line, saving time setting up a new project

- See more detail, e.g. when updating progress, with one click of the mouse, opening up tasks onto separate lines

- Address data from individual build stages in the Spreadsheet columns

"It is not only during the construction stage that we use Asta Powerproject. We also utilise the software for tasks such as, for instance, the production of our Master Project Plans covering the whole spectrum of the development process from planning consent through to the completion of each project."

Alfred Tilt
Construction Director, Antler Homes

Overlapping tasks on the same bar line
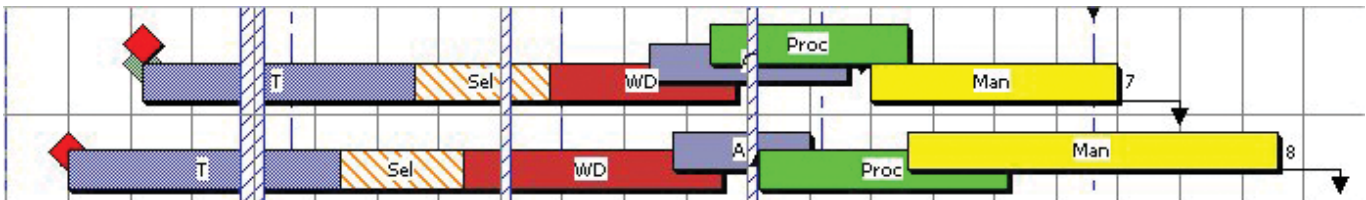
Key software features at a glance

- Intuitive, easy to use toolbars, menus and features

- Manages over 100,000 tasks (hardware dependant)

- Customisable, construction-specific project templates

- Work Breakdown Structure (WBS) or hierarchal project breakdown

- Formulae and calculations displayed in spreadsheet columns

- Accurate Critical Path Analysis

- Unlimited baselines – compare the evolving plan against the original

- 'Jagged' and 'As Built' Progress views

- Create any type and number of links between tasks

- Schedule accurately with mixed calendars

- Monitor resources with customisable histograms

- Record and track costs with extensive Earned Value Analysis

- Get seamless integration with Oracle Primavera, Microsoft Project & Excel

- FREE Project Viewer to share project plans

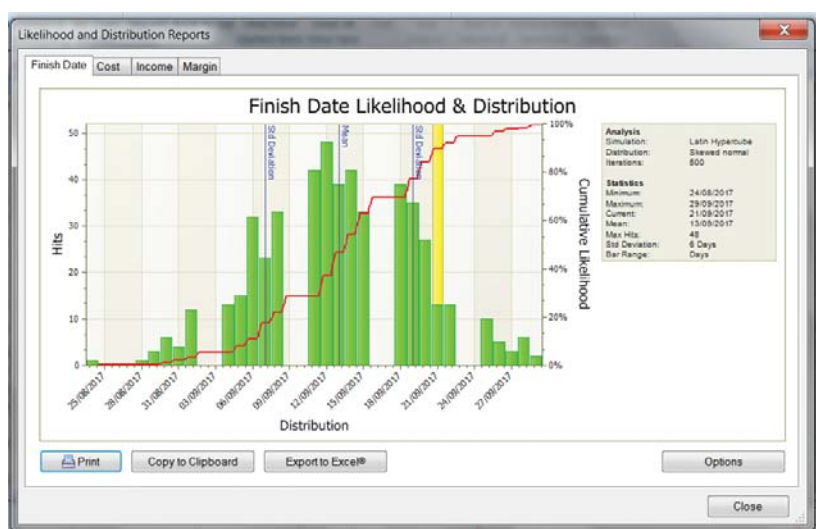# Assess the impact of project risks and re-model to best scenario

Poor risk analysis is a common practice that will all too often prove fatal to a project's success. With Risk Analysis you can understand the effects of your project risks so they can be better assessed, proactively managed and effectively communicated.

- Perform thousands of project simulations easily showing the effects on tasks, cost, margin and end-date

- Better understand the potential impact of risks and opportunities

- View clear graphical sensitivity reports which highlight those critical tasks that pose the greatest risk

- Create accurate and realistic project schedules that include the relevant contingency for optimum project success.

Example of a Risk Analysis Likelihood and Distribution Report

"The outputs we were able to get from Asta Powerproject were very impressive. The flexibility in being able to tailor reports in the formats we require was important, the reports had to be able to be understood by all stakeholders, as well as provide the info we were obliged to supply contractually."

**Andrew Campbell
Construction Manager,
Hansen Yuncken, Australia**

Update progress and view status reports via the web

Example of a project progress view in Web Access

View, edit and share all your current project data regardless of time or location for improved communication and project collaboration using Web Access.

This web-based project management tool gives remote access to all your projects in **Asta Powerproject** for easy progress updating by percentage, quantity and man hours.

- Anyone involved in the project can access and edit data online and view progress, resource and cost reports with ease.

- The level of access can be controlled by user access rights, including a read only access as a cost effective solution for occasional users.

- Facilitate faster, more efficient communication among stakeholders

- Get access 24-7 to real-time project status reports

Optional consultancy to integrate with other software and third party systems

Asta Development offers consultancy to help set up data import and export between **Asta Powerproject** and other software systems. **Asta Powerproject** is an open system and has been integrated with accounting, estimating, asset management, 4D visualisation, BIM and enterprise resource planning (ERP) software systems such as:

- BIW
- CMS Contractor
- COINS
- DStudio
- MIMS

- Navisworks 3
- RIB
- SAP
- Synchro
- Tekla

> **Using a project management tool and a 4D software tool together means that our methods and programmes are more efficient. Companies with a flexible enough project management tool, like Asta Powerproject, will be able easily to combine the two pieces of software and really offer their customers the visualisation of progress on planned and actual phases that they demand.**
>
> **Kyp Kyprianou**
> **Regional Planner**
> **BAM Construction Ltd.**

Training and technical support

> **It does not matter how stable the software is, technical support is fundamental to its continuing success and on behalf of us, the users, I would like to thank the Technical Support team for their patience, knowledge and professionalism.**
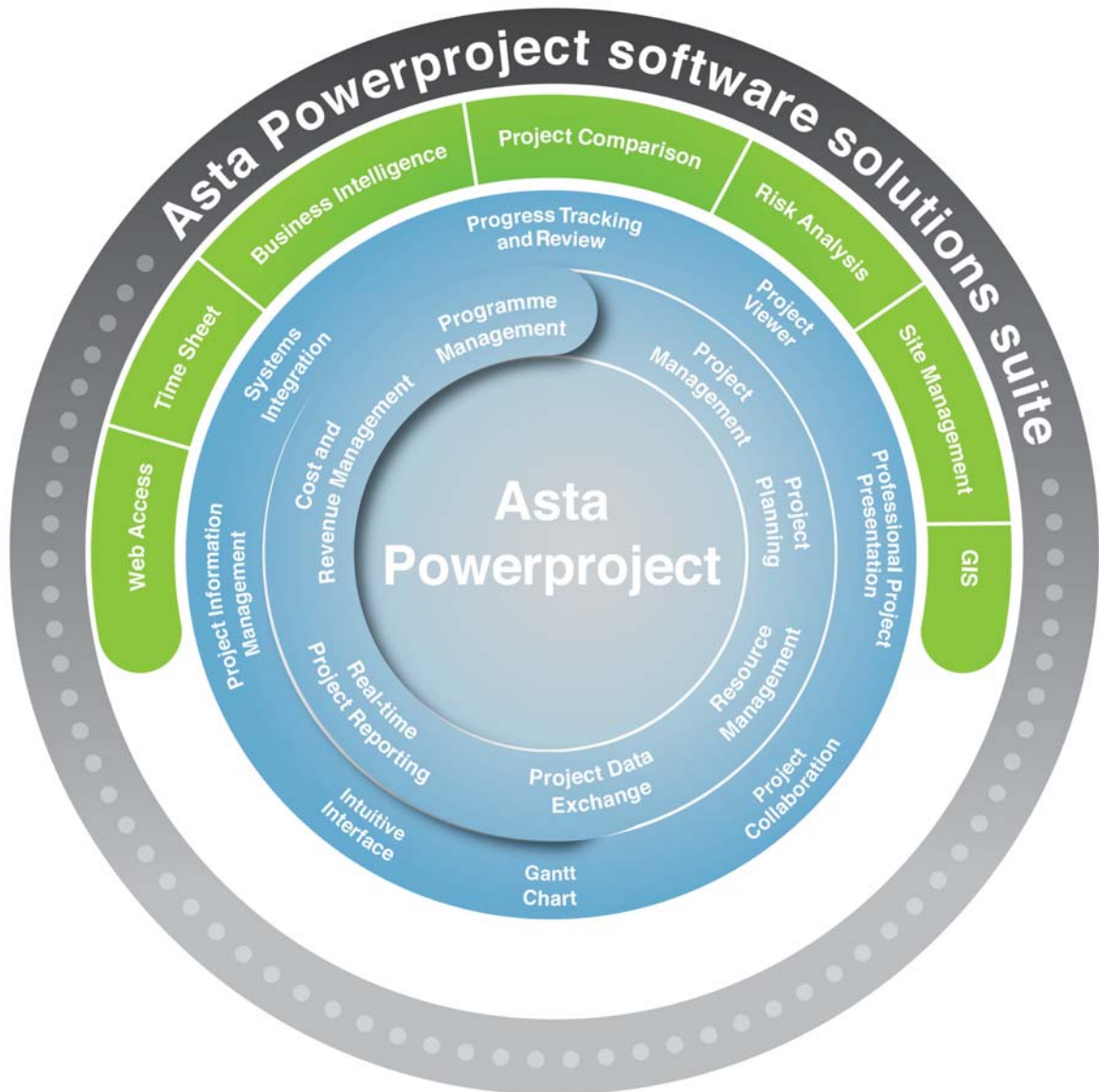>
> **Steve Field**
> **Regional Planner, Sir Robert McAlpine Ltd**

Responsive technical support is key to protecting your licence investment. Our technical support team are highly trained and certified specialists, based in the UK, and are on-hand to provide one-to-one support by phone, email or on the web.

Our annual support cover includes:

- Highly skilled analysts to submit problems to and get advice

- All maintenance updates and upgrades

- Re-activation cover if your hard drive should fail or if your laptop is lost or stolen

Asta Development provides training courses for both novice and advanced users at our Oxfordshire Training Centre, UK regional locations and at customers' premises.

For more information visit: www.astadev.com

Asta Powerproject software solutions suite

Asta Powerproject

Business Intelligence · Project Comparison · Progress Tracking and Review · Risk Analysis · Time Sheet · Web Access · Site Management · GIS · Systems Integration · Programme Management · Project Viewer · Project Management · Project Planning · Professional Project Presentation · Cost and Revenue Management · Project Information Management · Real-time Project Reporting · Intuitive Interface · Project Data Exchange · Resource Management · Project Collaboration · Gantt Chart

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