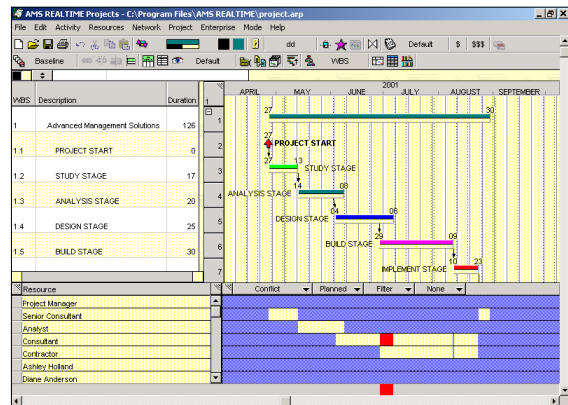


AMS REALTIME Projects is a powerful and easy-to-use project management, planning, scheduling and cost management solution. It supports the needs of individual project managers and allows consolidation, aggregation, analysis and management via powerful multi-project facilities in standalone mode or across the enterprise.

Instant visibility of resource usage and availability, planned vs. baseline dates and cost variance is available as project work is carried out and the plan changes. Defining or modifying activities, assigning resources and creating professional graphical reports is easy. Combining simplicity with power and flexibility, AMS REALTIME Projects provides an easy-to-use graphical interface that allows users to create projects on screen quickly and easily. Data is accepted and displayed as bar charts, network diagrams, histograms, tables, or any combination of these. Providing common access and functionality across multiple platforms and several data repository options (Oracle, Microsoft SQL Server or other ODBC compliant databases), AMS REALTIME Projects lets organizations maintain their investment in existing hardware and existing systems. Powerful data export – import feature allows information to be moved back and forth between AMS REALTIME Projects and other systems.

The reporting functionality of AMS REALTIME Projects is called AMS REALTIME Vision. This powerful tool facilitates the display of statistical data in easily understood graphical and tabular reports. It is supplied with a comprehensive library of over 50 pre-defined reports which can be used as-is or modified to fit more closely with your business requirements. AMS REALTIME Vision allows reports to be designed on screen, in real time. User-defined borders, logos and legends can be added, and after running a report, annotations can be added to any page so that key items can be clearly highlighted. The background can be textured or wallpapered with a watermark, providing a professional look-and-feel. Finished reports can be previewed on screen, annotated, printed, or exported in Adobe PDF format for portability across platforms and distribution via email.

AMS REALTIME Projects provides flexible calendar definitions for your activities and your resources. Scheduling can be set in units ranging from minutes through years. Fiscal calendars can be used to define accounting periods for resource, schedule and cost summarization. In addition to the usual 5-day working week, working cycles are supported, allowing complex work patterns that repeat over several weeks to be modelled. A calendar can have an unlimited number of holidays/non-working days. Activities can be scheduled based on any calendar and each resource can have their own working calendar.



See tasks against the calendar in Gantt form with the unique resource conflict view that identifies over committed resources.

AMS REALTIME Librarian, another powerful feature of AMS REALTIME Projects, simplifies centralised project management by providing concurrent user services and client/server access to projects. Group access rights provide users with specific access to projects. Projects or templates can be loaded and stored in one of four ways:

- 1 On local or network drives as native files
- 2 In a Librarian centralized database (AMS REALTIME Object Store - AOS)
- 3 In Oracle or other SQL database repositories
- 4 In any ODBC compliant data sources

No other solution provides users with this level of storage flexibility and control.

## A look at some of the detail...

AMS REALTIME Projects can be used to plan work in Gantt chart, spreadsheet or network/dependency modes, as it provides the most powerful GUI of any product. Networked schedules can be constructed, from which a critical path is calculated in real time as activities and constraints are manipulated. Different constraint types are supported on tasks and dependencies. Resources assigned to tasks can be profiled to reflect their exact workload. Schedules can be baselined into many separate revisions to enable comparison between approved schedule, contracted schedule, and other project baseline revisions. Resource utilisation is calculated and displayed in real time, and resource levelling can be invoked to display and implement possible alternatives to meeting a schedule whilst minimizing resource overloads. Additionally, cost information can be specified, so that earned value calculations are managed automatically by the system.

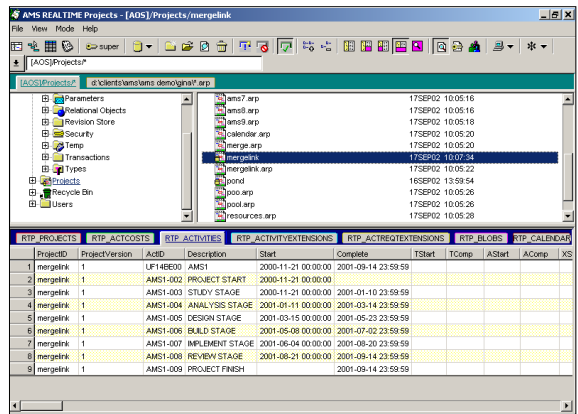
AMS REALTIME Projects has the most flexible summarising facilities of any project management software. Automatic WBS, OBS, Phase and ad-hoc roll-ups based on any user-defined parameter are available. Roll-ups include; start and end dates, baselines, resource utilisation, costs, technical progress and performance measurement data. Various options allow different methods for applying weights to progress and performance information on detailed activities. This allows the right emphasis to be placed upon the critical activities as they are summarized.

AMS REALTIME Projects supports extension of the existing data structure by means of user defined extension fields at the project, task, resource and resource assignment levels. The extension fields can be of different types, allowing the user to specify alphanumeric, date, status-type or calculated expressions.

Generating project costs or measuring earned value in AMS REALTIME Project is also possible. Any custom-defined cost structure, including cost-center definitions, accrual of regular and overtime costs, multiple cost heads, grouping resource costs, differential resource rates over time are supported.

Rich and detailed configuration options in the tool, provides the capability to implement desired features whilst at the same time restricting or allowing certain users access to different functionality.

AMS REALTIME Projects supports seamless extension through use of Python API's. This feature combined with the capability to define templates, sharing resources and calendars and standard rate tables support standardization of business processes in the organization.



The screenshot shows the AMS REALTIME Projects application window. The top part displays a tree view of project elements including Parameters, Revisional Objects, Revision Store, Security, Temp, Transactions, Types, Issues, Recycle Bin, and Users. Below the tree is a Gantt chart showing project activities with columns for ProjectID, ProjectVersion, Description, Start, Complete, TStart, TComp, AStart, and AComp. The Gantt chart shows a sequence of tasks for 'mergelink' project, including 'PROJECT START', 'STUDY STAGE', 'ANALYSIS STAGE', 'DESIGN STAGE', 'BUILD STAGE', 'IMPLEMENT STAGE', 'REVIEW STAGE', and 'PROJECT FINISH'.

AMS Librarian acts as a centralised location for all project information, allowing direct access to MS Project®, Oracle or any ODBC data source

Supporting multi-project and sub-project models, AMS REALTIME Projects can be used to provide both high-level summaries and detailed reports. Cross-project constraints can reflect complex interdependencies between projects. AMS REALTIME Projects provides a very flexible resource model. Resources can be scheduled to work on tasks in units of minutes through to months and in a variety of ways:

### Fixed or varying levels of effort over the duration of a task

- A total amount of work assignment, which automatically calculates the level of effort as the duration of the activity changes.
- An effort driven resource, changing the duration of the task as the level of effort or total amount of work is modified.
- A level of effort assignment, where as the duration of the activity changes, the total amount of work changes.
- As a spreadsheet indicating the planned amount of work, or level of effort of resources, period by period over the duration of the activity.
- Depletable resources such as inventory or budgets can be modelled, with arriving shipments or newly allocated budgets replenishing these resources.

AMS REALTIME Projects can be used in conjunction with AMS REALTIME Resources, our resource planning and time collection tool, to bring project and resource management together and support planning, tracking and reporting at all levels of the organization.

AMS REALTIME Projects provides facilities to allow free data interchange with other standard project management tools such as Microsoft Project®.

## Features

### Platforms

- PC (Microsoft Windows XP, 2000, NT4, 98)
- Apple Macintosh (PowerPC) - MAC OS 8, MAC OS 9
- UNIX (X-Windows, Motif)
  - Sun Solaris 8.0 or SunOS
  - HP UX 11.0
  - IBM RS/6000 4.3
- Linux (Redhat) 7.2
- Simultaneous multi-platform client/server access

### Network environment

- Client/server or standalone environment
- Communication: TCP/IP

### Graphical User Interface

- Interactive graphical Gantt bar chart allows you to create and edit using your mouse:
  - Create activities
  - Adjust start and complete dates
  - Move entire tasks
  - Post progress or show slips
  - Create network links
  - Create resource assignments
  - Adjust resource availability
- Spreadsheet-style tables
- Toolbar icons, menus and hotspots
- Direct time line control with zoom and pan
- Interactive resource window
- Save screen layouts, sort and match criteria as views

### Network/Dependencies

- Full network features
- Free-float and total float
- Logic mode with custom definable box, line styles
- Time-phased, waterfall, critical and logical sorts
- Network analyser mode
- Real-time network calculations
- Critical Path and The Path To...

### Business Management

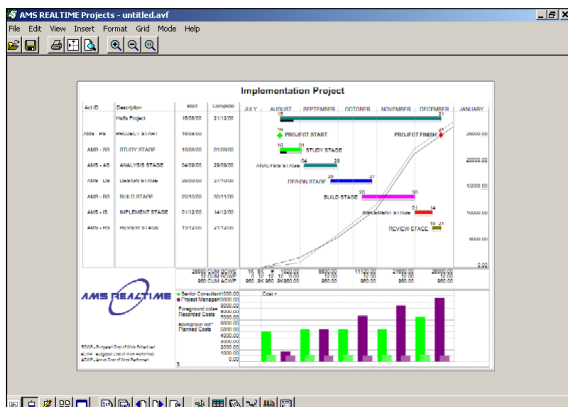
- Military and industry milestones
- Select individual activity bar, symbols, colour and pattern
- Up to 250 working calendars: Scales from minutes to years using multiple scales for rolling wave
- Define daily shifts with start and stop times, including breaks
- Define cycles, holidays, overtime and calendar ranges
- Up to 100 user-definable fields each for projects, activities, resources and resource assignments
- Calculated fields can be defined from other activity fields
- Up to 64,000 activities per schedule (unlimited through use of sub-projects)
- Assignments can be comprised of multiple schedules and subproject schedules
- Rollups for executive summaries
- WBS tools and Outliner
- Integrated resource usage and costs in real-time
- Technical, span and baseline progress modes
- Store over 200 baselines
- Batch commands
- Attached documents
- Use of Templates, rate tables, cost structures, shared resources, and calendars.

### Librarian / Repository features

- Template schedules for calendars and resources
- Save to relational databases through Oracle OCI, MS-SQL or ODBC
- Allows definition of 'bookmark' tabs for quick access to virtual and local file systems
- Provides client/server access to **AMS REALTIME** Projects
- Read and write directly to Oracle repositories
- Database mapping to external tables
- Calendars, Resources and resource availability shareable between projects

### Data Exchange and Storage

- Microsoft Project MPX
- Import and Export
- Generic translator
- ODBC Repositories
- AOS Repository



A report being constructed graphically on screen. A wide variety of metaframes and metastrings are available to choose from, accounting for virtually any desired report.

#### Resource Scheduling

- Schedule resources in months, weeks, days, hours or minutes
- Interactive graphic resource assignment or spreadsheet entry
- Rate, total and period-based resource assignment
  - Effort-driven resourcing
- Resource and time-constrained levelling
- Interactive conflict resolution and analysis tools
- Variable resource availability
- Resource calendars
- Resource summarisation and categorisation

#### Costing

- Calculated from resources or spreadsheet entry
- Cost breakdowns by resource type, cost centre or both
- Rate tables and apportioned costs
- Standard Earned Value methods
- Custom accounting calendars
- Baseline locking

#### Publishing Reports

- WYSIWYG composition
- Custom report design includes logos, legends and annotations
- Output as PDF and Metafiles
- Filters and sorts provides manipulation of data to be published
- Thumbnail views and text descriptions of report forms
- Presentation mode provides print preview of one or multiple pages

#### System Requirements

##### Windows

##### Hardware

Computer with Pentium 133-megahertz (MHz) or higher processor

##### Operating System

Windows 98, Windows 98 Second Edition, Microsoft Windows NT(r) version 4.0 with Service Pack 6 (SP6) or later, Windows 2000 Professional, or Windows XP Professional, TCP/IP

#### Advanced Management Solutions Inc., USA

Tel: +1 909 793 0111, Fax: +1 909 793 7405, Toll Free: 800 397 6829, Email: sales@amsusa.com

#### UK

Tel: +44 (0)118 9605 800, Fax: +44 (0)118 9605 801, Email: sales@amsuk.com

Visit our web site at <http://www.amsrealtime.com>

#### RAM requirements depend on the operating system used

- Windows 98, or Windows 98 Second Edition  
24 MB of RAM plus an additional 32 MB of RAM for AMS REALTIME Resources (Minimum)
- Windows NT 4.0 (SP6)  
32 MB of RAM plus an additional 32 MB of RAM for AMS REALTIME Resources (Minimum)
- Windows 2000 Professional  
64 MB of RAM plus an additional 32 MB of RAM for AMS REALTIME Resources (Minimum)
- Windows XP Professional  
128 MB of RAM plus an additional 32 MB of RAM for AMS REALTIME Resources (Minimum)

#### Apple Macintosh

##### Hardware

PowerPC processor

##### RAM requirements:

64 MB of RAM plus an additional 32 MB of RAM for AMS REALTIME Resources

##### Software

Mac OS software version 8.6, 9.0.4, 9.1, or Mac OS X (\*supported in classic mode), TCP/IP

#### UNIX

##### Hardware

Any standard UNIX machine.

##### RAM requirements

64 MB of RAM plus an additional 32 MB of RAM for AMS REALTIME Resources

##### Software

X Windows/Motif, Sun Solaris or SunOS, HP UX version 8 or later, IBM RS 6000 AIX 3.2 or later, TCP/IP.

#### Linux

##### Hardware

X86 compatible processor

##### RAM requirements

64 MB of RAM plus an additional 32 MB of RAM for AMS REALTIME Resources (Minimum)

##### Software

X Windows/Motif, Redhat, TCP/IP.