

Aurora-CCPM

Enterprise Level Multi-Project Critical Chain Project Management

Sophisticated Scheduling Software

Aurora-CCPM™ is a sophisticated scheduling software system that combines a variety of scheduling techniques, intelligent conflict resolution, and decision support tools to make Critical Chain scheduling faster and easier. The software's scheduling decisions take into account resource requirements, a variety of constraints, and any pertinent domain knowledge.

Aurora-CCPM can drastically reduce the resulting schedule's duration.

Graphical Displays & Reports

Once Aurora-CCPM has created a schedule, it is displayed in a series of graphical displays that allow the user to see the resource allocations and the temporal relationships among the elements. These displays also allow the user to edit the schedule directly and easily. Scheduling problems, such as unresolved conflicts, are highlighted to attract the user's attention.

Unique Capabilities

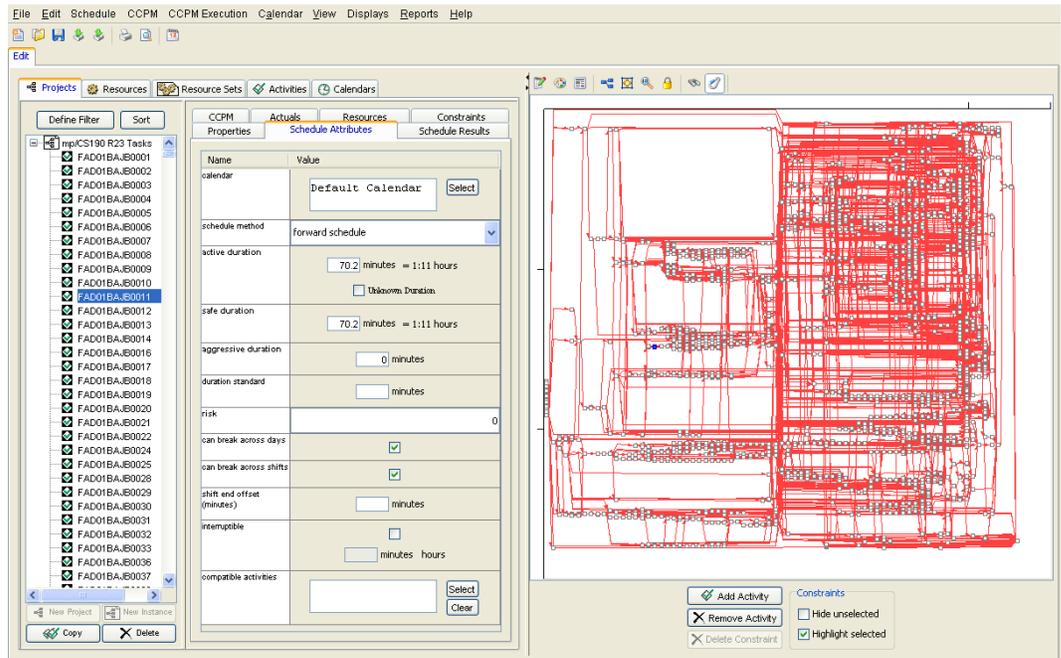
- Ability to handle short-duration tasks, and update buffer reports on any timeframe (E.g., once every hour)
- Multiple-pass intelligent resource-constrained scheduling that results in shorter projects than the single-pass resource leveling provided in Microsoft Project, & Primavera P3 / P6.
- Mixed-mode scheduling providing both forward and backward scheduling, available on a task-by-task basis.
- Schedule Rationale – Aurora-CCPM includes the rationale for each task on why it was schedule where it was schedule. So it is easy to determine what changes could be make for a task to occur earlier.
- Ability to take variability of tasks in a chain into account in buffer consumption. That is, if a chain consists of a series of low variability tasks at the beginning then a few high variability tasks at the end of the chain, standard buffer consumption reports could give an overly optimistic view of the situation.
- Sophisticated constraints beyond human -- ability to handle physical space constraints, including taking into account the creation and elimination of the space during the project.
- Enterprise level Critical Chain Project Management capabilities that can handle projects consisting of thousands or tens of thousands tasks.
- 64-bit version can handle projects into the hundreds of thousands of tasks
- Ability to leverage knowledge about resource-constrained placed tasks during execution. Due to execution time differences in how tasks are actually executed the resources may become available for a task that was placed later mainly due to resource constraints, but actually could be done now and otherwise these resources would lie idle. The system could determine in real time that it is best to complete a task now.
- Designed to interface with other tools – since the benefits of scheduling are only a mouse click away, Aurora-CCPM is designed to interface with Microsoft Project, Primavera P3 / P6 and others so that you do not have to change the way you work, but can still receive the benefits of Aurora-CCPM's scheduling engine.
- Ability to run how the client wants to run. It can run as a standalone application under Windows and Linux web-based application.

Aurora- CCPM's History

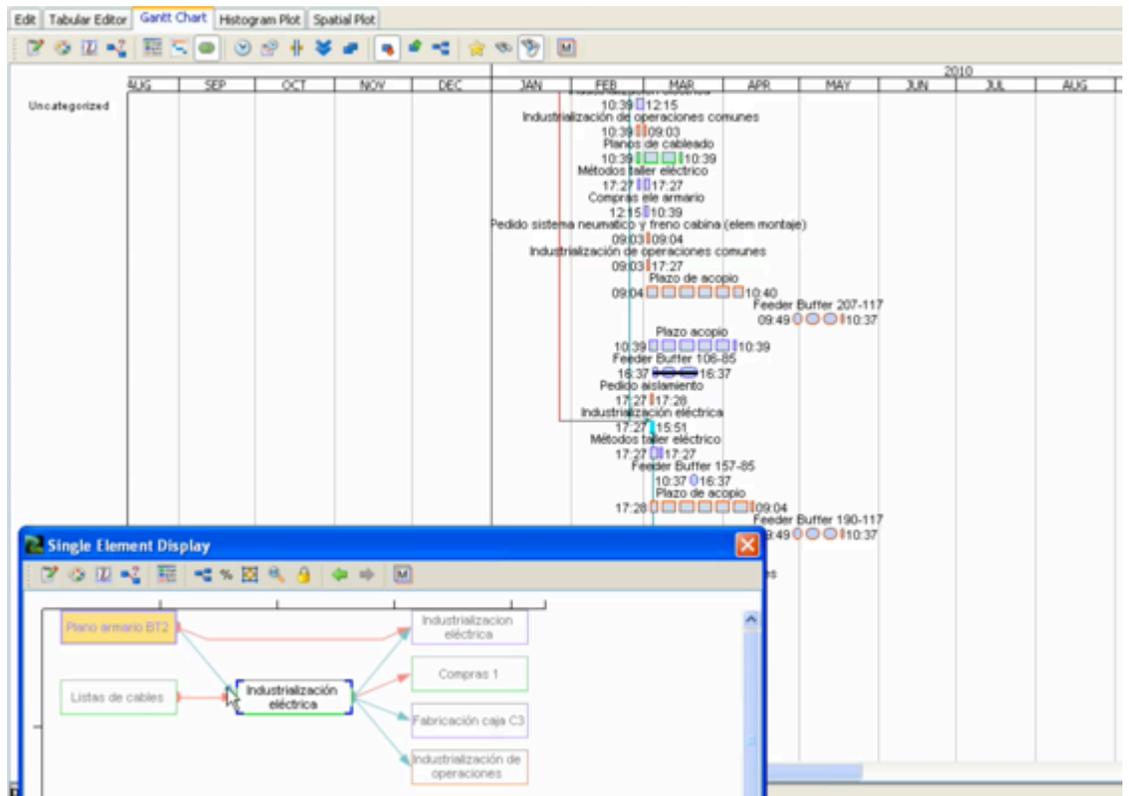
Aurora was originally developed to help NASA tackle difficult, mission-critical scheduling problems that previously required the judgment and experience of expert human schedulers. For example, Aurora was deployed at NASA's Kennedy Space Center to schedule the use of floor space and other resources at the Space Station Processing Facility (SSPF), the world's largest low-particle clean room where International Space Station components are prepared for space flight.

Aurora was expanded to include Critical Chain (Aurora-CCPM) and is now utilized by Boeing in the Final Assembly of the B787 Dreamliner.

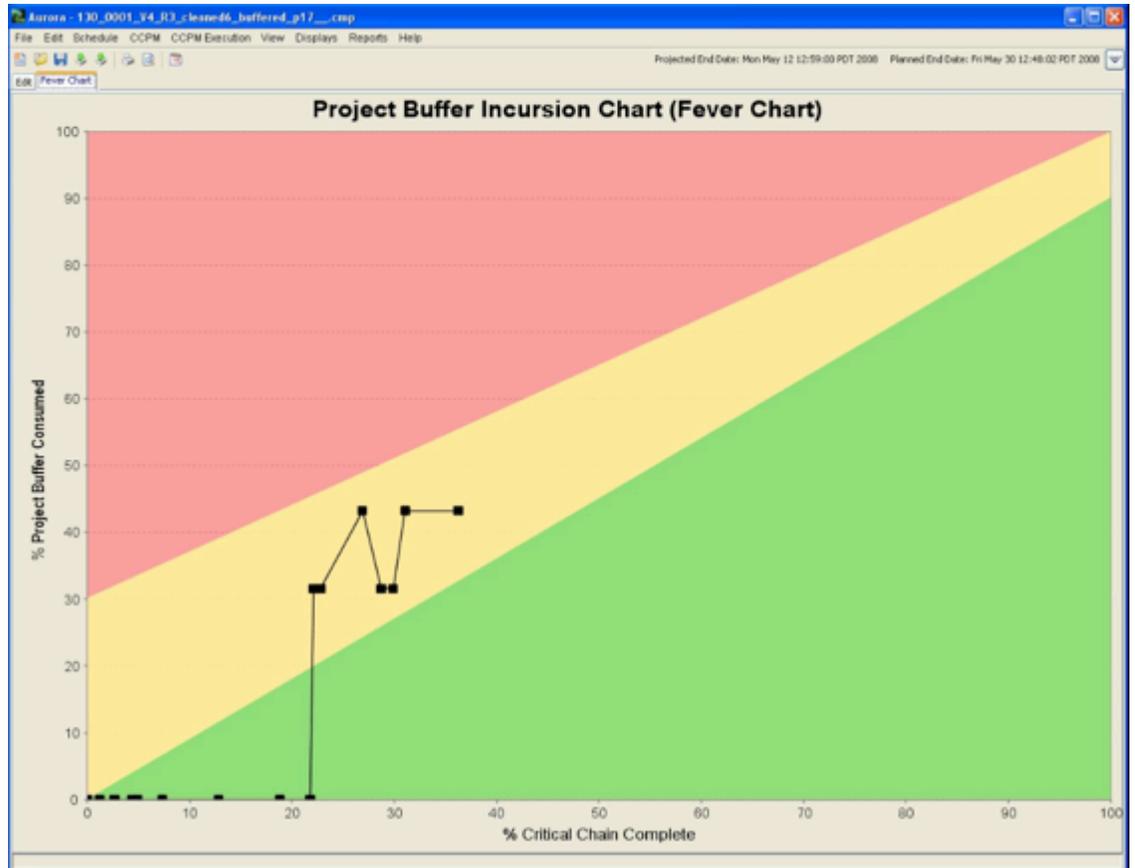
**Screenshot:
Project Editor
& Network
Chart**



**Screenshot:
Gantt Chart
showing
color coding
based on
properties,
single-
element view
& note Feeder
Buffers**



Screenshot: Fever Chart



More Information

For more information about Aurora or Stottler Henke Associates, Inc. itself, please contact:
Stottler Henke Associates, Inc.
1650 S. Amphlett Blvd., Suite 300
San Mateo, CA 94402
Phone: (650) 931-2700
Aurora@stottlerhenke.com
www.stottlerhenke.com