PIM Suite
CRITICAL CHAIN PORTFOLIO MANAGEMENT (CCPM)

AGI®

WHAT IS CRITICAL CHAIN PORTFOLIO MANAGEMENT (CCPM)?

It is a constraint-based project planning and scheduling process designed to provide significantly better performance outcomes – on-time, in-scope and in-budget. Controlling performance outcomes is accomplished through visibility of each project's completion status across a portfolio of projects with clearly connected task assignment priorities. Well-defined task time completion updates are used to determine predicted buffer consumption and shifts in resource loading that need to be proactively addressed.

PIM Suite provides an easy to understand priority system for all in-process work which significantly improves execution management. Problem areas where work is queuing are identified and priorities adjusted while there is still time to do so without disruption or the need for additional resources. Problem areas where projected task completion times will impact project completions are identified for proactive corrective actions.

*Unless your business performance has reached **Infinity**, your performance is **Constrained**!*

Constraint-Based Decision-Making significantly improves workflow management, customer service, and bottom-line performance.

AGI's Decision-Support Software provides an effective, easy-to-use constraint-based workflow management capability for improved performance whether the workflows are Project, Production, or Inventory-based.

Visibility and Control –
Project Status, Task Priority and Resource Loading

BUSINESS ISSUES

From a business perspective, the purpose of all planning and scheduling activities is to control delivery and achieve desired cost performance. Whether actually effective or not, every workflow intervention – or "expediting action" – introduces additional variability which further increases workflow turbulence and results in the need for more interventions. Hence, business performance control is best accomplished through focused and very limited workflow interventions.

Control means seeing what is coming before it arrives with adequate time to respond and adjust.

Constant rescheduling, commonly called "dynamic scheduling", results in an out-of-control Business Management Process. It leads to uncertainty, not predictability

KEY FUNCTIONALITY OF PIM SUITE

Time buffers, properly sized and positioned, are designed to absorb time delays in workflow and protect completion commitments.

It is the relationship between actual and planned Time Buffer Remaining that powers the "ONE number priority system" you can rely on.
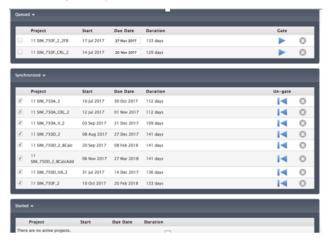
PIM Suite utilizes a patented process that monitors actual to planned task completion in relation to time buffers with a "ONE number priority system" where the lowest value always indicates highest priority.

BUSINESS BENEFITS
- Improved delivery performance.
- Reduced delivery costs.
- Improved customer – vendor relationships.
- Increased resource effectiveness – fewer and more focused shifts in priorities.

PIM SUITE – THE "ONE NUMBER PRIORITY SYSTEM" THAT WORKS FOR YOU

Project Synchronization Status

Resource Loading Histogram

Overall Status of Open Projects

Task Assignment Priority List

What it Takes to Run PIM Suite

What You Already Have in Place

What You will Need to Do

- ✓ Critical Path Project Management Software
- ✓ Project Networks, which may not have finish-to-start task relationships
- ✓ Task time estimates that include safety
- ✓ Regular task completion data updates
- ✓ Established Work Day Calendars for each Type of Resource

PIM Suite works with your existing Project Management system to further leverage your return on investment and sets the stage to identify opportunities to IMPROVE.

- ❑ Build Project Network Templates with finish-to-start tasks detailed to the level required to control workflow, not manage the execution of work process
- ❑ Reposition safety from task completion level to project completion level
- ❑ View Project Lead Time in terms of components that directly relate to managing the effects of workflow variability, primarily:
  - o Task and Resource dependencies defining a project's Critical Chain,
  - o Aggressive But Possible (ABP) and Highly Probable (HP) task time estimates, and
  - o Expected workflow delays (HP – ABP) at each task that are accounted for with properly sized and positioned Time Buffers
- ❑ Synchronize or stagger projects to release work as early as necessary, level load limited resources and determine project completion dates
- ❑ Provide task time remaining updates at regular intervals

Over 30 years of experience in constraint-based decision making, AGI's PIM Suite Software is designed to help companies deliver more effectively and efficiently.

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