



## Engineering Project Scheduling



### Engineering Productivity Solution

- Drastically Decrease Drafting Time
- Eliminate Drawing Errors
- Reduce Time to Market

#### Problem Description

A manufacturer of high-end custom machinery often missed delivery deadlines by 30 to 60 days. In addition to losing customer goodwill, the market was beginning to demand liquidated damages for late deliveries.

#### AIM Solution

A system was developed using major bill of materials (BOM) items as engineering milestone points. BOM items were classified according to whether new or existing engineering was required to produce the item. Historical data was used to determine actual lead-times for BOM items that could be manufactured with existing engineering and to develop estimates for new items. Engineering deadlines were calculated by starting with the customer delivery date and subtracting manufacturing time. Internal resources were assigned based on manufacturing release deadlines. Contract engineering was engaged to augment staff engineering as required. Weekly management reports tracked progress and allowed resource adjustments to be made based on actual progress. The system was also used to track project quality and as an input to a merit-based bonus program. The entire system was implemented on the existing corporate network using off-the-shelf database software.

#### Benefits

Management was able to identify engineering problems early enough to properly adjust engineering resources to meet project deadlines and avoid liquidated damages.

#### Why choose AIM?

Choose AIM to guarantee a quality project managed by a hands-on project manager, engineer, MBA, with Six Sigma quality credentials and decades of experience not only designing and implementing productivity and management solutions, but using them as a “real-world” professional manager.

Choose AIM to ensure your project does not go over budget. AIM can offer fixed or ROI-based pricing. Over many years and dozens of projects, AIM has never exceeded a fixed priced budget – and never will.

Choose AIM to reduce delays and missed deadlines. AIM eliminates needless layers of management and communication obstacles inherent to traditional project teams.

Choose AIM because you want a partner with both a winning attitude and record that brings a competitive advantage to your team.

#### How can I learn more?

Contact Chris Kliesmet at **ADVANCED INTEGRATED METHODS**  
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