



ICS MODELING

What do you do when your customer tells you that your project's funding is going to be cut, requirements changed, and somehow you need to avoid slipping the schedule? What do you do when all the rules change?

Projects today operate in an environment that is constantly changing, making the challenge of keeping a project sold, on budget, and on schedule a huge task. When a prime contractor or government agency can fully explore their cost, schedule and risk baselines in real time and identify optimized alternatives in light of a given set of challenges, it changes the way things get done. It saves time. It saves money. It reduces costly mistakes. It makes you agile.

TTJ&B's Integrated Cost & Schedule (ICS) Models make it possible to quickly and intelligently address questions like these. Simply put, an ICS Model integrates a project's cost and schedule data into a single analytical model whereby planning baselines can be dynamically manipulated and impacts across the cost and schedule spectrum are identified in real-time.

WHAT MAKES TTJ&B UNIQUE?

We bring the power of innovative modeling techniques and analytical expertise to bear on projects - turning static data into dynamic information whereby projects are more intelligently understood, more efficiently directed, and more productively executed. Getting things done faster, smarter and with fewer resources. We throw technology and innovation at your analytical challenges, not people. That results in high efficiency solutions that generate big results for far less money - and that equals value.

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QUESTIONS & ANSWERS

Q. What data does our project need to have?

A. ICS models leverage a project's cost and schedule baselines from their root source. You won't need to change anything in your cost and schedule datasets, just make them available.

Q. How long does it take to deploy?

A. ICS Models are typically constructed and deployed over a 2-4 week time period.

Q. When in the project lifecycle does an ICS model make the most sense?

A. ICS Models are deployed with great success during all project phases from the conceptual/proposal phase (where its use has been called out as a win discriminator in a number of proposals) thru the development and manufacturing phases of efforts (where its use has been identified as a critical contributor in securing performance based award fees).

Q. Can we run it ourselves?

A. Yes, we build & deploy models, and then train users from your project in their use.

Q. System Requirements?

A.

- MS Windows 2000, XP, Vista or 2007
- MS Excel, Access, & Project 2003 or later
- Oracle Crystal Ball with Decision Optimizer
- 512MB RAM, 800Mhz+ processor

ICS MODELING ARCHITECTURE

The diagram illustrates the ICS Modeling Architecture. It shows a local executable (1) that launches a Microsoft Excel spreadsheet (2). The Excel spreadsheet is linked to a Microsoft Access database (3) which houses project cost and schedule data. The Excel spreadsheet displays project schedules, expenditures, budget variances, and cumulative budget variances. A key icon (4) is also shown, representing the integration with Oracle's Crystal Ball application (5) for risk and optimization analyses.

1. ICS Models are launched using a simple executable stored locally on a user's PC
2. Project schedules can be manipulated and programmatic impacts observed in real-time
3. Microsoft Excel provides the user with a platform for modeling, analysis and generating custom reports
4. Microsoft Access relational databases house project cost and schedule data and facilitate their integration
5. ICS Models interface with Oracle's Crystal Ball application allowing for risk and optimization analyses