



Project Orion Lockheed Martin

When NASA selected Lockheed Martin as the prime contractor for Project Orion it recognized the need for flexibility and agility in its chosen management team. Funding and schedule pressures have dominated the landscape of the initial phases of Orion's development – and TTJ&B's tools and processes have been heavily leveraged to help navigate the program through this volatile period.

TTJ&B has been a minor subcontractor to Lockheed Martin in support of NASA's Project Orion since 2005. Our work has been recognized by NASA and Lockheed Martin as a discriminator in both the contract's award and subsequent award fee periods. Our Integrated Cost & Schedule (ICS) modeling process has been the centerpiece of our support – providing the ability to generate detailed cost and schedule re-planning solutions in real-time.

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HELPING LOCKHEED MARTIN WIN

"The final LM strength in this area was for use of an integrated management assessment tool to track cost and schedule. This will enable LM to manage schedule and cost proactively. The use of such a tool is very important given the environment in which CEV and the entire Constellation Program will be operating in over the next several years. Use of this integrated management assessment tool is also of value to the Government in that it provides the ability to quickly respond to the early stages of a developmental project which will help in quantifying potential schedule problems that might arise as a result of program management decisions."

NASA Project Orion Contract Award Debrief, Management Volume p.16, September 2006

HELPING LOCKHEED MARTIN PERFORM

"The contractor provided outstanding support to numerous unplanned activities during this period... including what if scenarios surrounding a second budget cycle; budget and schedule trades for the Project, Program & Administrator; analysis of pending contract changes; and supporting analysis of multiple baseline scenarios with different milestone planning dates... exceeding expectations for responsiveness within difficult deadlines."

NASA Project Orion Performance Determination for Award Fee Period 2, September 1, 2007 to April 30, 2009 (Items PPC-PM-S1, PPC-PM-S9, PPC-TECH-S3)

"TTJ&B brings a unique capability of integrating cost, schedule and risk into a single model in order to perform integrated analyses previously never done. The integration of these historically separate pieces of information is not only unique to NASA programs but to Lockheed Martin as well. As a result of TTJ&B's hard work and dedication their analysis directly impacted Lockheed Martin's recent award fee... linked to no less than 4 strengths NASA identified in the Award Fee letter dated June 29, 2009."

Lockheed Martin Space Systems Project Orion Minor Subcontractor of the Year Nomination, July 2009