

NASA Goddard Space Flight Center

3<sup>rd</sup> Annual NASA Supply Chain

Quality Assurance Conference

October 14-16, 2009

Exceeding Expectations Through Innovation and Quality



#### Who is LJT & Associates

LJT & Associates Inc. is a small, veteran-owned disadvantaged business headquartered in Columbia, Maryland. Chartered in 1994, LJT provides diversified, high-technology services to NASA, the Department of Defense, and other civilian agencies as well as State and Local Governments.



**Corporate Facility Clearance** 

Top Secret, authorized to store classified material

150 employees in 19 locations nationwide





#### Our Mission

#### Our Vision

Premier provider of innovative engineering and technical solutions through strong partnerships and a team of quality-driven professionals.

#### Our Mission

 Partner with our customers to develop innovative engineering solutions, information technology services and technology development by leading a team of highly skilled professionals. We help prepare our customers for the missions of today while building new capabilities to meet the challenges of tomorrow.



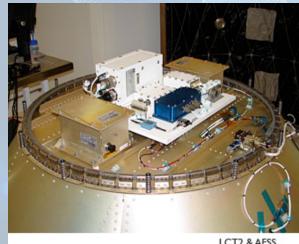
### NASA Programs

- □ LJT provides NASA a variety of services through a number of Prime and Sub contracts.
  - ➤ Mission/Project Management
  - > Range Operations
  - > Air Traffic Control
  - > Shuttle Support
  - ➤ Constellation Studies and Analysis
  - > Systems and Sustaining Engineering
  - > Technology Development



### Technology Development

- □ LJT engineers have worked closely with NASA Wallops Flight Facility engineers to develop Space Based Range technology. Two of the more mature technologies include:
  - > Autonomous Flight Safety System (AFSS)
  - > Low Cost TDRSS Transceiver (LCT2)
- □ These technologies support the evolving vision of a Space Based Range. The vision is to establish future Range architectures, designed to decrease the cost of launch operations while increasing Range services and customer responsiveness.



LCT2/AFSS integration for SpaceX Falcon 1 DemoFlight 2





## GSFC Contractor Excellence Award LJT Overview

- □ 2006 Small Business Services
  - > Finalist
- □ 2007 Small Business Product
  - > Finalist
- □ 2008 Small Business Product
  - > Winner





## GSFC Contractor Excellence Award Process Overview

- Award Guidelines
  - > early January
- Applications
  - > due early February
- □ Site visits
  - > Questions in early March
  - > Mid March through mid April
- Award Notification
  - ➤ Late May June
- Debrief
  - > Late June



### GSFC Contractor Excellence Award What it Takes to Win

- □ First and foremost is an excellent track record in execution Products or Services
- Commitment to Quality
  - > Well documented Quality Program
  - Quality Manager
  - > Industry standards registration and/or certifications
    - ➤ ISO 9001:2008, CMMI, AS9100, ...
- Continuous Improvement
  - > Well documented historical data
  - > Well documented forward looking plan
    - > This should be linked to your benchmarking process



## GSFC Contractor Excellence Award What it Takes to Win

#### Well Organized and Prepared Site Visit

- > Presentation addressing questions
- > Prepared backup and supporting material
- > Staff availability for interviews
- > Site Tour





### GSFC Contractor Excellence Award Lessons Learned

- □ The award process is focused on contract performance and quality/continuous improvement more than the particular service or product.
- □ The application process and site visit provides feedback and self examination which may not normally occur. This is beneficial to the continuous improvement process.
- □ Keep applying. The process, application questions, and site visits continue to evolve.



# GSFC Contractor Excellence Award Suggested Improvements

- □ The application process and site visits are beneficial to the improvement and quality of the Product and/or Service that contractors deliver.
  - > This is an independent assessment of your company's performance.
- However, the feed back received during the debrief was presented by one person in a PowerPoint presentation that was not released.
  - ➤ It would be beneficial to have the site visit team provide the debrief to answer questions.
  - > Provide the debrief material to the contractor.



### GSFC Contractor Excellence Award Conclusion

- □ This is a great way to receive recognition for our hard work.
- □ I would like to encourage competition in all categories.
  - > There are years when no one applies to some categories.
- □ The application process is a good way to provide self assessment and independent assessment of the Products and/or Services that we as contractors provide to NASA.
- □ We look forward to next year!

