

Teledyne Brown Engineering (TBE) - Successful Participation in NASA Mentor-Protégé Program (MPP) on Mission Operations & Integration (MO&I) Contract

- ▶ MO&I Scope: Provide Operations in support of the International Space Station (ISS) at MSFC in Huntsville, AL and Johnson Space Center (JSC) in Houston, TX.
- ▶ Includes mission preparation (plan), crew and flight controller training (train), and real-time (fly) requirements for spaceflight operations support and research utilization.
- ▶ Two Concurrent MPAs with HBCU/MSI Universities
 - ▶ Alabama State University (ASU)
 - ▶ University of Nevada, Las Vegas (UNLV)
 - ◆ Period of Performances: August 2015 – July 2016
 - ◆ Agreements: 100% engineering and technical based
 - ◆ Focus: Exposing the University teams to the International Space Station (ISS) Operations on the MO&I contract and providing real life work experience for the students



Why Were We Successful?

Communication:

- ◆ Communicate, Communicate, Communicate
– this really is the key to success

Partnership:

- ◆ Both entities must partner together throughout the entire agreement

Participation:

- ◆ Faculty and Staff involvement is necessary and critical to the success of the MPA



Successes

- ▶ Allowed Universities to gain valuable past performance and opened opportunities for support on other NASA contracts
- ▶ Provided Universities underlying knowledge to assist with writing proposals needed to sponsor experiments on board the International Space Station (ISS)
- ▶ Universities produced multi-media products for the TBE Payload Developer (PD) training team and as well as Ground Support Personnel (GSP). Two students also supported a task allowing them to gain an understanding of the Space Launch Systems (SLS) vehicle launch support requirements
- ▶ Based on outstanding level of support:
 - ◆ 2 students hired full time upon their graduation, another student participating in the MO&I Flight Controller Certification program
 - ◆ Identified additional UNLV doctorate student to assist with task order assignment on the MO&I contract
 - ◆ Subcontracts provided directly to ASU & UNLV to continue the work
 - ◆ TBE continuing discussions with both universities to engage in ISS R&D projects and other partnerships

