



michoud messenger

Volume 5, Issue 03 | June 2013

Lockheed Martin building LNG Tanks at MAF

NASA's Michoud Assembly Facility will soon be building liquefied natural gas (LNG) tanks with commercial applications on site. Initially, the LNG tanks will be used for ship propulsion as part of Lockheed Martin's increased emphasis on converting defense technology to commercial technology.

In a ceremony on May 3, Governor Bobby Jindal and Lockheed Martin announced it is drawing on the unique experience and equipment at Michoud to manufacture the LNG tanks. With a 37-year history of producing the giant external tank for the space shuttles, and as a prime contractor of NASA's Orion spacecraft being built at Michoud, Lockheed Martin is familiar with the facility's capabilities.

"We are very pleased to add Lockheed Martin's LNG tank production to the portfolio of advanced manufacturing work and research under way here," said Roy Malone, director of Michoud Assembly Facility. "It's gratifying to see the manufacturing process and capabilities developed to build large scale flight structures being put to use in the energy industry."

Producing liquefied natural gas



In the foreground, NASA employees Robert Champion, Malcom Wood, Governor Bobby Jindal and Representative Greg Chromer enjoy a tour of the Michoud Assembly Facility after discussing Lockheed Martin's new liquefied natural gas tanks and its purposes.

tanks require the process and capabilities of a large tank structure-manufacturing site that Michoud is uniquely built to support. Lockheed Martin said it has received initial orders to manufacture cryogenic tanks for fueling LNG-powered vessels.

"Our entry into the LNG tank market is a prime example of how Lockheed Martin is leveraging capabilities and technologies developed for government programs to meet the needs of private

sector customers who drive our nation's economy," said Gerry Fasano, president of Lockheed Martin Information Systems and Global Solutions. "We look forward to a long-term relationship with the state of Louisiana and the greater New Orleans area, and to bringing quality employment opportunities to the community." The project will create around 166 new direct jobs and another 236 new indirect jobs, for a grand total of 400 new direct and indirect jobs.

Letters from Leadership

I would like to start by expressing my appreciation to the entire Michoud Team for their excellent performance over the last 3 months and let you know that your hard work and dedication to mission success is not going un-noticed. Hardly a day goes by that I do not receive positive feedback, from both NASA Headquarters and NASA Programs, for your efforts in preparing the facility to support SLS manufacturing.

As the number one of three Michoud priorities, the successful delivery of SLS Core Stage and Orion MPCV hardware is critical to both the future of NASA and the Michoud Assembly Facility. So far, we are knocking the ball out of the park.

Another of the three Michoud priorities is bringing additional tenants to Michoud to help offset the cost of operating the facility. In this effort, the External Tank Transition and Retirement continues at full speed. As unneeded tools and equipment are removed and manufacturing space is cleaned out, we increase the amount of space available for new tenants and our opportunity to generate additional funding to help offset facility operations costs. Currently, we are in discussions with several potential tenants and I believe we have a high probability of bringing their work to Michoud. As we continue to diversify our tenant portfolio, we will be able to build a stronger, more sustainable business model for Michoud.

Most recently, in keeping with the end of the current 5 year MSFOC contract, NASA issued a sources sought notice announcing the Synergy Achieving Consolidated Operations and Maintenance Contract, or SACOM in early June. This mechanism would give NASA the ability to leverage assets between Stennis Space Center, and Michoud Assembly Facility, particularly in areas of technical excellence, best practices, and readiness. This is another example of how Michoud is working to remain a competitive, viable asset that benefits the Greater New Orleans Region's economy.

Again, the leadership team at Michoud appreciates your dedication to mission success and getting the facility ready for SLS production. Please stay safe and continue to look out for yourself and your fellow teammates.

- Roy Malone,
Director of Michoud Assembly Facility

Beyond Zero Presidential Gold Coin Program

Mike Dawson, General Manager of the MSFOC Contract, would like to thank the following individuals for their contributions toward creating a "Culture of Caring" at Michoud. In April, MSFOC employee David Freshour was selected as "Gold Jacket" winners and Mike Stein and Terry Penton as runner-up for the gift cards. MSFOC employee Paul Houdobre was selected as May's "Gold Jacket" winner. All are now eligible for the NASA Caring in Action (CIA) program as well as the semi-annual drawing of \$500.00 to take place in September.

Beyond Zero Presidential Gold Coin Recipients for April were:

Jason Constantine
Kevin McKinnie
Barry Pearson
Ed Wright
Brian Pearson
Richard Augustin



LDP Tours Michoud



Participants of Jacobs' Leadership Development Program gather for a photo in front of ET-94 during a facility tour held Apr. 17. The Leadership Development Program is an opportunity for different Jacobs businesses to interact and share their lessons learned and develop the next generation of leaders for Jacobs Technology.

Councilman Gray Visits MAF



On March 5th, Councilman James Gray visited Michoud and met with Michoud leadership to discuss the intended improvements to the roads and grounds leading up to our facility.

LA Tech Space Days



NASA employee, Rob Gravolet, engages students in a discussion about the future of space exploration by including topics on the Space Launch System and Orion on April 25. The IDEA Place sponsored Space Days as an extension of NASA's 'Summer of Innovation' and to involve children in hands-on learning to motivate further exploration.

FIRST Robotics Bayou Regional

Hundreds of students from across the Southern United States recently participated in the 2013 Bayou Regional Tournament held March 21 – 23 at the Pontchartrain Center in Kenner, Louisiana.

During the FIRST Robotics Competition (FRC), 53 teams from eleven Southern states competed against each other. Each team had to design a robot with the ability to throw Frisbees into goals and hang on a structure for bonus points. Team 3753, better known as the Bulahbots, won the semifinals and advanced to the National FRC. The Bulahbots competed with a team of 20 high school students and six mentors. Along with the Bulahbots, Team 1912, also known as Team Combustion, competed and won the Chairman's Award. Team Combustion competed with 30 students and 10 mentors.

Again this year, the MSFOC teammates – Jacobs Technology, JIT, MTS, Sierra Lobo and Qualis, provided the Robot Repair Unit, a machine shop on wheels to assist the teams in quickly repairing their

robots during the timed competition.

The two teams advanced to the National FIRST Robotics Competition held on April 23 – 26 in St. Louis, Missouri. During the competition, over 200 of the best teams

from around the world competed against each other. More than 10,000 students from around the globe travelled to Missouri to put their skills and designs to the test. Congratulations to our local teams for competing at the national level.



The FIRST Robotics Bayou Regional decides which teams compete on a national level with robots made and designed by student teams. Two Louisiana teams, Team Combustion from Northshore High School and the Bulahbots from Baton Rouge emerged from the Bayou Regionals to compete in the National Tournament held on April 23-26 in St. Louis.

NASA Day in BR



NASA celebrated the agency's partnership with the people and industries of Louisiana at "NASA Day in Baton Rouge" on May 8. Above, Marshall's Center Director Patrick Scheuermann and employee Shannon Raleigh, talk with students about NASA's mission and the science, engineering, and exploration exhibits on display in the state capitol building. The Louisiana Legislature proclaimed that NASA and Louisiana share common goals in promoting aerospace and continuing education in technology and engineering.

Ala. AA&M Tour



On March 25, Pratt-Whitney Rocketdyne sponsored students and faculty from the College of Engineering at Alabama A&M to visit to Michoud Assembly Facility. NASA employee Travis Martin, an alumnus of Alabama A&M who works at Michoud, spoke to the students about his experience working for NASA. Martin encouraged the students to pursue their dreams and highlighted potential career paths within NASA.

Garver views Progress



Lori Garver, Deputy Administrator of NASA, visited the Michoud Assembly Facility on May 3 to observe the progress of the Space Launch System and Orion programs. The tour group assembled for a photo in front of the Vertical Weld Center. The Vertical Weld Center assembles cylindrical sections of the SLS Rocket.

SBA Leader Visits MAF



In the above picture, Robert Champion discusses the new Space Launch System with Dr. Winslow Sergeant, Chief Counsel for Advocacy for the Small Business Administration. During the facility tour, NASA highlighted Michoud's commitment to incorporating and utilizing small businesses into the facility's operation.

National Aeronautics and Space Administration

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Volume 5, Issue 03 | June 2013

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