



# Cameron LNG

# Delivering energy to the world



## Proactive approach to safety yields results

CLNG continues to advance on the construction of the liquefaction project while making safety a top priority. After a year of construction activities, the team working with the contractor CCJV reached a significant safety milestone in early September, achieving two million man-hours without a recordable incident.

"This is a notable achievement for our project team, which includes our contractor CCJV," said Farid Bogani, Chief E&C Officer for Cameron LNG. "This milestone confirms our commitment to safety and motivates us to continue to pursue our goal of zero injuries."

Health, Safety, Security and Environment (HSSE) is a top priority at Cameron LNG for its employees, contractors, and the community. For Cameron LNG's CEO Farhad Ahrabi, this priority is rooted in a belief that if an organization is not disciplined to deliver exceptional performance in HSSE then it is unlikely to perform exceptionally in other key areas.

"I am proud to be part of an enterprise that takes safety just as seriously as it takes any other aspect of the business," said Ahrabi. "For me it is not just about what we achieve in terms of our bottom line targets; it is also just as important, if not more so, how we achieve it."

## CEO's corner

Farhad Ahrabi



In addition to a first year of significant milestones for our company, I recently marked my one-year anniversary as CEO. I am fortunate to be surrounded by a diverse group of people who are energized, optimistic and working extremely hard so that we can deliver on the promises we have made to our sponsors and the community. We are promoting and encouraging a culture that is based on collaboration, team work, support and a family environment that breaks down barriers between us with a can-do attitude.

At the helm of the construction team is Farid Bogani, Chief Engineering & Construction Officer. Farid leads the

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## CEO's corner

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engineering and construction (E&C) team to execute the Cameron LNG liquefaction project. Farid has more than 30 years of global experience in LNG project development, project management, liquefaction projects, plant management, operations, commissioning, start-up, plant design and technology, joint venture set-up and new business development in offshore and onshore integrated projects.

Farid also has hands-on plant and site-specific expertise involving four world class LNG facilities in the Far East, Australia, and Africa including senior leadership assignments with Pluto LNG, Persian LNG, and Nigeria LNG.

In the last 12 months working with Farid, I have learned his commitment to safety is second to none, he takes his accountabilities very seriously, and he is an extremely hard worker. These are some of the qualities that are a must when considering the magnitude of the challenges ahead of us.



Farid Bogani, CE&CO

## Increased traffic leads to heightened safety approach

Cameron LNG is committed to traffic safety. Construction entrances are experiencing more activity, and Highway 27 traffic is becoming increasingly more congested during peak hours. To help reduce the number of vehicles, EPC contractor, CCJV, began transporting workers to and from the site via chartered buses. Eventually, most of the construction workers will use these buses to help further decrease traffic on Hwy 27.

CCJV will be working with Louisiana Department of Transportation and Development (LDOTD) to permit new traffic control measures. These measures may include additional

construction signage and flashing lights or radar signs that post oncoming traffic's speed. LDOTD will also be installing turn lanes on Highway 27 in front of the project. Until these measures are in place, Cameron Parish Sheriff's Department deputies will continue monitoring traffic at several gate entrances and the curve between Ellender Bridge and the construction site.

*Community members can help keep the road safe for all vehicles. Drivers are encouraged to adhere to the local speed limits and be aware of vehicles that may need to turn into the facility.*



## School Supply Drive

CLNG employees from Houston and Louisiana joined together to make the first day of school a little brighter for the 365 students at W.T. Henning Elementary in Sulphur. Employees donated new school supplies for the Pre-K through 5th grade students.

"I would like to thank you for your outpouring of generosity for providing us with the overwhelming

amount of school supplies you delivered to our school," said principal Teri Collins. "For the first time ever, all of our students will begin the year with all the needed supplies".

Cameron LNG is looking forward to being a Partner in Education with our newly adopted school W.T. Henning Elementary.

## Construction around the clock

In just over a year Cameron LNG has cleared the ground for the liquefaction project and over 800 team members are working on site in two shifts, 24 hours, seven days a week. The night and weekend efforts are mostly soil stabilization activities that should be completed by the end of December.

Despite setbacks with heavy spring and early summer rains, drilling rigs have completed more than 4,100 of the 19,000 production piles that will serve as the attachment points for the foundations of the three liquefaction trains. The project team recently completed all the piles and foundations for the central pipe rack on Train 1, the foundation for the permanent

building that will house Cameron's construction team, and a dock to allow for barge delivery of large equipment. Heavy haul roads have been extended so that buses can bring workers to the various sites within the construction project.

Entergy began construction on the onsite substation that will eventually provide electric power to the liquefaction plant. Installation of Entergy's new facility will also help provide more stable and reliable electricity transmission to the local communities.

Visit [www.CameronLNG.com](http://www.CameronLNG.com) for updates in between issues of the quarterly newsletter.



Drilling production piles

## Whooping Crane Project

In keeping with its commitment to protect and preserve the environment, CLNG recently donated \$25,000 to the Louisiana Wildlife and Fisheries Foundation in support of the state's Department of Wildlife and Fisheries' (LDWF) Whooping Crane reintroduction project.

In a ceremony at Rockefeller State Wildlife Refuge in Grand Chenier, Cameron LNG's Julie Nelson and Stevie Trahan presented a check to LDWF Secretary Robert Barham. They also toured the refuge where future juvenile crane releases are planned.

The funds will provide for materials and supplies, including GPS tracking devices and pens needed for crane re-introduction activities in and around Cameron Parish. For more information visit [www.wlf.louisiana.gov/wildlife/whooping-cranes](http://www.wlf.louisiana.gov/wildlife/whooping-cranes)



Robert Barnham (LDWF Secretary), Robert Love (LDWF Division Administrator), Julie Nelson (CLNG VP Government Relations & Public Affairs), Stevie Trahan (CLNG External Relations Manager)



A Great Egret in flight. One of the many types of bird taking refuge in Cameron Parish

# LNG Refrigeration Systems

To turn Natural Gas into Liquefied Natural Gas (LNG), the gas must be super-cooled to minus 260 degrees Fahrenheit. At that temperature, natural gas condenses into a liquid, which takes up to 600 times less space than the original gas. The refrigeration system called a "train," is the core of the cryogenic process.

For each train at CLNG, the refrigeration system is comprised of two compressor strings. Each compressor string consists of a large gas turbine that drives two compressor casings. A helper motor starts the gas turbine and provides additional power during high temperature periods.

All six large General Electric gas turbines were manufactured in Greenville, South Carolina and shipped to GE's assembly facility in Italy. These turbines will be installed on baseplates with the compressors. A major milestone was achieved when construction for the string test (performance test) commenced.



*Turbine assembly for number 6 turbine*



*Shell assembly for number 5 turbine*



*HP MR compressor case hydrotest*

## Want more info on Cameron LNG?

Cameron LNG distributes this newsletter quarterly to update our neighbors on the construction progress, community involvement, environmental and safety issues, career opportunities and more. To subscribe electronically, please e-mail [info@CameronLNG.com](mailto:info@CameronLNG.com). You can also visit [www.CameronLNG.com](http://www.CameronLNG.com).



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