

## Case Study



"We would like to thank SM Lawrence/CSUSA for the excellent Piping/HVAC and management skills displayed at the NASA site in Mississippi. The quality of the piping and mechanical installation work is excellent with zero safety incidents or accidents in completing the work on schedule over the past seven months. SM Lawrence will be our contractor of choice on all our future US projects."

Bob Brandt | Site Manager

### Project Summary

#### Name

John C. Stennis Space Center

#### Market

Industrial/Manufacturing

#### Location

Gulfport, Mississippi

## John C. Stennis Space Center

### The Challenge

The Stennis Space Center was seeking a qualified mechanical contractor to install stainless steel piping that required x-ray certified welds. The process called for flushing and a purification service to ensure all piping was clean and to standard before the testing process commenced. The installation had to be performed in the small space of the jet engine test stand, which measured 12' in diameter and 55' in length. The Stennis Space Center needed a trusted partner to perform this specialized work. S.M. Lawrence, a Comfort Systems USA (CSUSA) company, was ready to help.



The John C. Stennis Space Center (SSC) is a NASA rocket testing facility. It is located in Hancock County, Mississippi, on the banks of the Pearl River at the Mississippi--Louisiana border. As of 2012, it is NASA's largest rocket engine test facility.

### The Solution

The S.M. Lawrence Team:

- Completed the work on schedule with no safety incidents.
- To meet schedule and tolerance requirements, prefabricated all piping onsite. The project called for 10,000 feet of piping total.
- Had minimal issues with x-ray certified welds. Out of hundreds of welds that had to be x-rayed, only a handful had to be modified, pleasing the Stennis Center with the outcome.

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# John C. Stennis Space Center

## A Closer Look

S.M. Lawrence was awarded this \$2,600,000.00 project in April 2012 after receiving an invitation to competitively bid. Continental Construction teamed up with S.M. Lawrence to begin work on the jet engine test stand located at America's premier rocket engine test complex in Hancock County, Mississippi.

The scope of work provided by S.M. Lawrence on this project included plumbing, heating, ventilating and air conditioning (HVAC), and process piping to support a phase two jet engine test stand.

As concluded by Martin Flinders, Facilities Engineering Manager, "During the current \$50MM project and during previous installations that I have been involved with it has always been a pleasure to see S.M. Lawrence/CSUSA on the jobsite. Their attention to detail and quality of their workmanship is second to none both with carbon steel installations and stainless steel. They are currently laying in their fuel/air and oil systems on our test site, x-ray results have been exemplary and the customer liaison has been accurate and at a very high level. I would not hesitate to recommend their services and I look forward to working with them again in the future."

## Doing it Right Since 1917

### S.M. Lawrence

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There are more than thirty local, state, national, international private, and public companies and agencies using Stennis Space Center for rocket testing. Because of the importance of SSC to the US space program it has been said that, "The road to space goes through Mississippi."