

## Clean Jacksonville 2,200CBM LNG Bunkering Barge

### Client:

Conrad Orange Shipyard, Texas, USA

### Services:

- Basic and detail design for the cargo, machinery and electric parts
- Basic and detail design of CAMS, ESDS, F&G detection, SSCS, and instrumentation
- Pre-commissioning, LNG testing and commissioning

### Location:

Jacksonville, Florida, USA

GAS Entec was contracted by Conrad Shipyard to provide basic and detail design engineering services for the cargo, machinery and electric components of Conrad's 2,200CBM LNG bunkering barge, the first and only LNG bunkering barge in USA. The LNG bunkering barge provides LNG fuel to TOTE's 3,100 TEU container ships and other LNG-fueled vessels in the Port of Jacksonville, Florida.



GAS Entec's contract included design of the Control, Alarm and Monitoring System [CAMS], Fire & Gas Detection [F&G], Emergency Shutdown System [ESDS], Ship-Shore Communication System [SSCS], as well as instrumentation, pre-commissioning, LNG testing and commissioning.

### DIMENSIONS

LOA: 64.6m

Breadth: 14.8m

Depth: 4.8m

Draft: 2.6m

LNG storage tank type and capacity: GTT Membrane Mark III Flex 2,200CBM