



## Oil & Gas Case Study

Louisiana Offshore Oil Port, LLC  
Gulf of Mexico

OLE Heating System & CLE Heating System

### PROJECT DETAILS:

LOOP, LLC installed in 2013 four pairs of HOTSTART oil heating systems and coolant heating systems on its four CAT D3616 engines which power large capacity crude oil pumps at the Louisiana Offshore Oil Port in the Gulf of Mexico. The new heating systems are part of a retrofit project on the pumping platform which is located approximately 18 miles off the coast of Louisiana south of Grand Isle.

### PRODUCT DETAILS:

LOOP Senior Maintenance Engineer Chuck Borne contacted the HOTSTART Houston office which recommended the OLE Heating System and the CLE Heating System to replace the original 30 year old HOTSTART equipment.

OLE Heating System: 480V, 60Hz, 3 phase, 9kW

Heats oil and pre-lubes the system

CLE Heating System: 480V, 60Hz, 3 phase, 30kW

Pre-heats and circulates coolant throughout the engine during standby

Benefits of Systems: New configuration allows for easier maintenance

Improved flow of coolant and oil throughout the engine

Borne noted that even though the platform is in the Gulf of Mexico, temperatures can cool down to 40°F during the winter months. "The engines must always maintain operating temperature. When the pumps need power, the engines better be ready to start."

### CUSTOMER DETAILS:

LOOP is the only port in the U.S. capable of offloading deep draft tankers known as Ultra Large Crude Carriers (ULCC) and Very Large Crude Carriers (VLCC). LOOP, LLC has offloaded over eleven billion barrels of foreign and domestically produced crude oil since its inception and handles 13 percent of the nation's foreign oil – about 1.2 million barrels a day. They are the single largest point of entry for waterborne crude oil coming into the United States.

