

Update on Project: A Critical Real-Time Louisiana Coastal Ocean Observing Station

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As a state with a few thousands of oil and gas platforms offshore, and numerous pipelines in the coastal water as well as a place where coastal protection has been requiring the use of offshore sand resources and dredging, Louisiana is uniquely positioned in need of reliable long-term coastal observing systems for research, engineering, modeling, and policy assessment purposes. Such observing systems are however costly and challenging to maintain. Here we proposed to establish a critical real-time coastal meteorology and ocean observing station off the Louisiana coast that uses some new technology that will make the station more reliable and sustainable. This report will provide an update of the project. Basically, the site selection, site visit, equipment test, satellite communication test, power supply modification, automatic data recording, real time data transfer, and installation design have been done. Once the manufacturing of the installation clamps etc. are made by an external company, the installation of the system will take place.