CASE STUDY

DIVISION
BIOFOULING CONTROL

PROJECT NAME
VITO AND WHALE

OWNER
SHELL / JACOBS

ABOUT THIS PROJECT: | **ELECTROCHLORINATOR**

PROJECT FACTS

The project scope consisted of a 1 x 100% seawater electrochlorination unit to generate hypochlorite for biofouling control in the platform's seawater cooling system. The package utilizes concentric tubular cells (tube cells) with a capacity of 6.0kg/hr hypochlorite production. The system includes a dosing manifold with outputs to eight separate users. Piping on the system is USCG- and ABS-certified CPVC. The client ordered two very similar packages for the Vito and Whale projects in the Gulf of Mexico.

CHALLENGE

For this project, the client wanted a very compact package with the ability to control dosing to the users built into the package.

SOLUTION

H2O's engineering department designed a package that met all client requirements and used a 1 X 100% system with a hydrocyclone for degassing. The use of a hydrocyclone saved a considerable amount of space versus a degassing tank. H2O coupled this with a dosing manifold and control to dose to eight separate users. The use of USCG- and ABS-approved CPVC piping allowed the entire package to be designed in a very small footprint.

RESULT

The client was happy with the quality of equipment provided and with H2O and awarded us a second package for their Whale project. We were able to offer a considerable discount to reuse the engineering and design work from the first project.