

# Oil, Gas and Energy

## FPSO Bonga



### Location of Project:

Bonga field, 120 kilometres off the Niger Delta, offshore Nigeria.

### Client:

Invsat UK.

### End User:

Shell Nigeria Exploration and Production Company.

### Scope of Work

Project management, detailed design (electrical and software), system manufacture, testing and commissioning.

### Scope of Supply

ACE 100 duplicated public address and general alarm system with ACET 18NK operator control and access panels, mentor intercom system, ATEX approved loudspeakers with exterior connection to a PABX and fire and gas system and the vessels entertainment system.

### The Project

The Shell Bonga FPSO was built in 2 stages.

The first was the laying down of the hull and fabrication of the hull equipment in the Samsung shipyards in Korea.

The second stage was the fitting of the topside equipment at Amec's shipyard in the UK.

### Further Information

The system was initially delivered to cover the hull sleeping and working areas of the FPSO with built in capacity to cope with the hook up of the topside equipments: this equipment was provided later under a separate contract awarded by the topside engineering company.

In addition to the supply of the PAGA and Page Party System, Spector Lumenex also supplied a PAGA Training System to assist in the training of the vessel's staff

### What was unique about the project?

A unique feature of the system was that the PAGA racks had to be built before the topside modules of the FPSO vessel had been designed. It was therefore necessary to work closely with the client and topside designers to ensure that the equipment would be built with sufficient capacity to enable the smooth integration of the topside equipment without major changes to the equipment on site. The use of the software configurable ACE 100 PA system made this task much easier.

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