

LOADMASTER®

Success story - FPSO Girassol

In 2006, Kockum Sonics was awarded the replacement of the previously installed loading computer onboard FPSO Girassol.

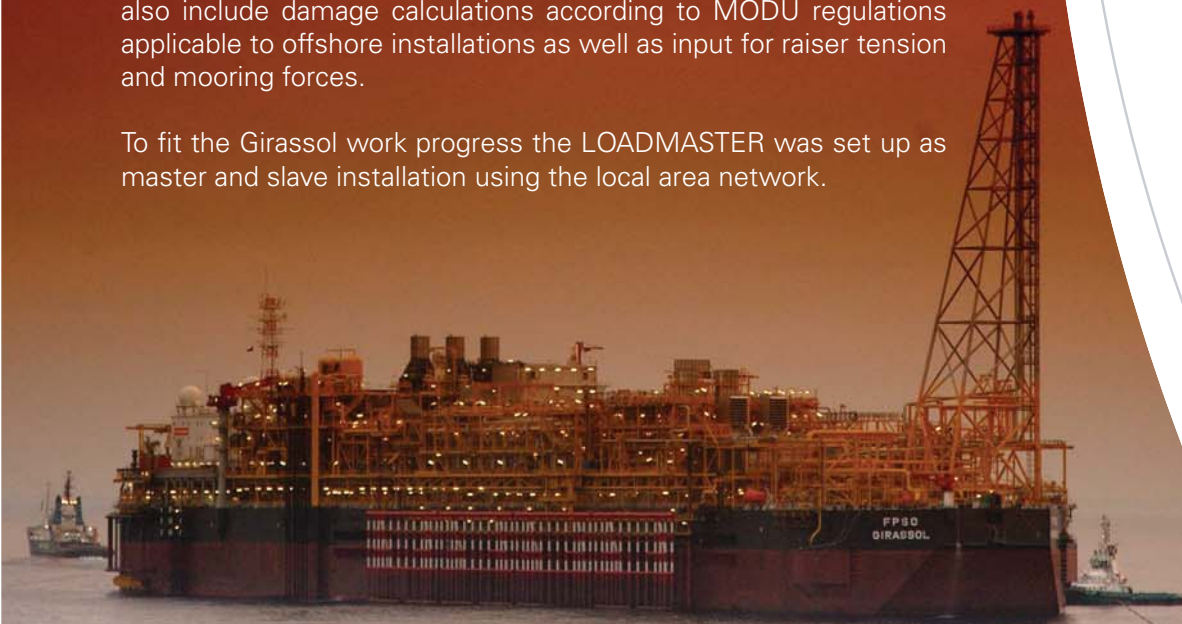
The FPSO is in operation offshore Angola with a daily capacity of approximately 250,000 Bbls a day. FPSO Girassol is owned by TOTAL and has a marine operation provided by FSO (Franship Offshore), Belgium. FSO used the in-house technical consultant Exmar Shipmanagement regarding a loading computer replacement.

The replacement was initiated due to the existing installed loading computer not giving sufficient information in order to keep up with the owner's and the management's high demand concerning safety during operation. All onboard work was allowed with the presumption that operation must not be disturbed at any time.

The original loading computer had been running since Girassol was delivered from Hyundai Heavy Industry, Korea. The loading computer included online communications to SAAB tank radar installed in oil storage tanks as well as ballast tanks. In addition there was a third protocol feeding the DCS (Automation system) with data.

Kockum Sonics evaluated the existing loading computer system and tailormade communication interfaces for the systems available. Kockum Sonics completed the interfaces without the counter parts being onboard or having done any changes in their communication specification. At the same time a 3D model based LOADMASTER X5 loading computer was produced. The scope of supply included not only ordinary trim and stability calculations. The set up should also include damage calculations according to MODU regulations applicable to offshore installations as well as input for raiser tension and mooring forces.

To fit the Girassol work progress the LOADMASTER was set up as master and slave installation using the local area network.



Project Management

The entire development and production was carried out in Sweden, based upon direct correspondence with Exmar's technical consultants and FSO's on-board personnel. After the speedy and successful completion of the LOADMASTER program, including communication interfaces, Kockum Sonics went on-board for a quick installation including training. The FPSO Girassol production was never effected. Again Kockum Sonics provided this effective solution through direct communications with the end user and the technical consultants.

Martin Bladh, Executive Sales Manager, Kockum Sonics AB

"Supporting clients must always be number one in the shipping industry. Kockum Sonics has the ability to understand the situation on-board as well as ashore. With our long experience we know that production losses is the worst expense that can ever happen. As well we are aware of the tight time schedule that superintendents live with. Our experience reduces the risk and relieves the office from to much work."

Paul-Philippe Halleux, Offshore Technical Superintendent, Exmar Shipmanagement NV

"Kockum Sonics has supported us as experts. As the question was raised to switch maker of the loading computer we knew who to turn to. Kockum Sonics and LOADMASTER can provide the knowledge and quality that we demand in our business. Taking technical and operational matters into consideration we believe that LOADMASTER is the best option available."

Kockum Sonics have thousands of systems running today. Do you have one of those? If so, please feel free to contact Kockum Sonics and see what operational benefits our new state of the art LOADMASTER X5 can deliver plus we can also provide you with a level of technical support and knowledge that is second to none.

Always ready to support you!

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