

EXMAR LNG STS SOLUTION



>365 Ship-to-Ship Operations (April 2013)
38,000,000 m³ LNG transferred and counting



EXMAR AND LNG STS, A HISTORY OF SUCCESS



2005	April	conceptual layout and selection of suppliers
2006	November	first trials run ("dry-run")
	August	first physical transfer
2007	February	first commercial, full cargo transfer
2008	June	first STS with 3rd party vessel
2009		
2010		
2011	June	first 3rd party LNGC fitted with STS kit and ship staff trained
2012	September	100 STS with 10 million cbm transferred
		more than 120 STS performed in 2012
2013	April	>365 STS with >38 million cbm transferred
2014		



EXMAR is the sole player in the industry with the effective expertise and track-record providing consultancy and support services on LNG STS projects.

Apart from managing the safe and reliable transshipment of LNG, EXMAR has also provided guidance and support in related aspects ranging from STS site selection to effective management of the entire LNG logistics chain.

The services we have delivered cover the complete project life, from business case till implementation of the STS solution:

Preparation phase

- Site location evaluation
- Feasibility & risk evaluation studies
- Vessel evaluation and modification work (if required)
- Developing STS manuals and specific protocols

Procurement phase

- Equipment compatibility evaluation
- Equipment adjustment / redesign (if required)
- Procurement services

Installation phase

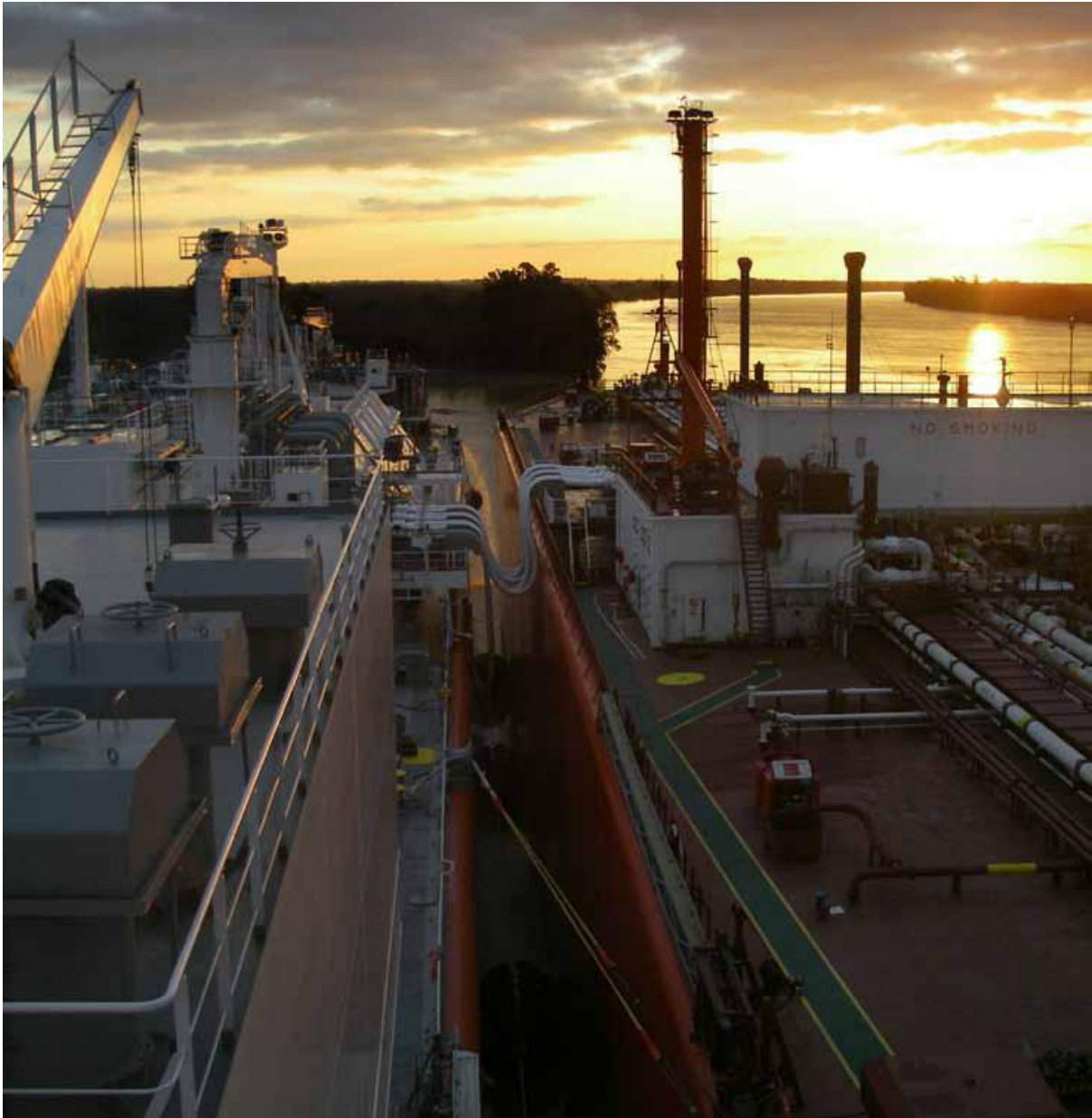
- On board installation, testing and confirmation of readiness
- On board hands-on familiarization

Implementation phase

- Ship staff training (basic and advanced training)
- STS superintendency (on board)
- Ship compatibility studies for STS
- Mooring studies (Optimoor)
- Risk assessment follow-up
- Generic support operations planning & LNG supply chain management

EXMAR also provides management of high-end assets:

- Ship (LNG & LPG)
- Terminals (onshore & offshore)
- Floating LNG solutions (FSU, FSRU)



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