Floating LNG Project Prelude Royal Dutch Shell (World's largest ship)

No	Item	Note	Photo
1	Scope of Work	Clash check and installation simulation of 13 modules and 1 flare tower	
2	Objective	Detect the clash items through the erection simulation, catch and fix the errors beforehand, and achieve the first time fit erection	
3	Detail	• The huge sized offshore modules (3,000~4,000 Tons), complex and lots of temporaries, hard to forecast all the clash items. • Prohibited access during the erection due to the safety reason, any clash occurs, the module must ship back to the shop for fixing. • Hectic schedule	
4	Execution Time	SAMIN working days for 1 module : 5days vs. Competitor company proposed working days : 3 Weeks.	
5	Output	Full report containing 100% clashes and Installation Simulation	
6	Result	13 Modules Clash Free Erection Erection Time Saving : **10hrs to 2 hrs** (8 hrs Save)/1 module • Construction Cost Saving : $millions saved through less Floating Crane Usage, Labor cost – Standby, Modification work, • Minimized safety hazard	
7	Benefits	**SAVED Millions of Dollars**	

Source : Youtube (Shell's Prelude)

<Floating LNG>   <Topside Module Integration>

Clash Detection

• Red : Upper Module
• Colored : Ship Deck

Clashes

<Report>