

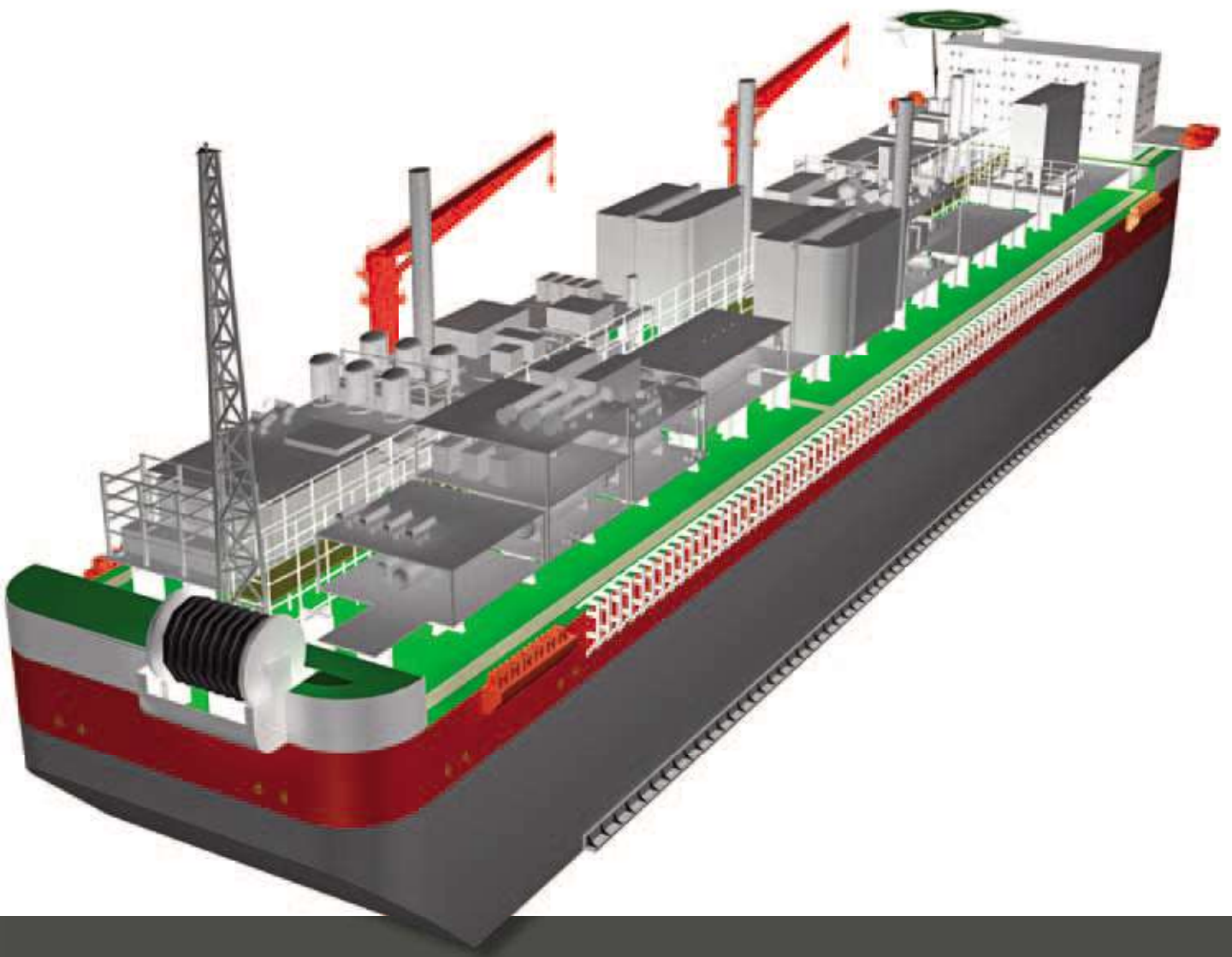
GVA

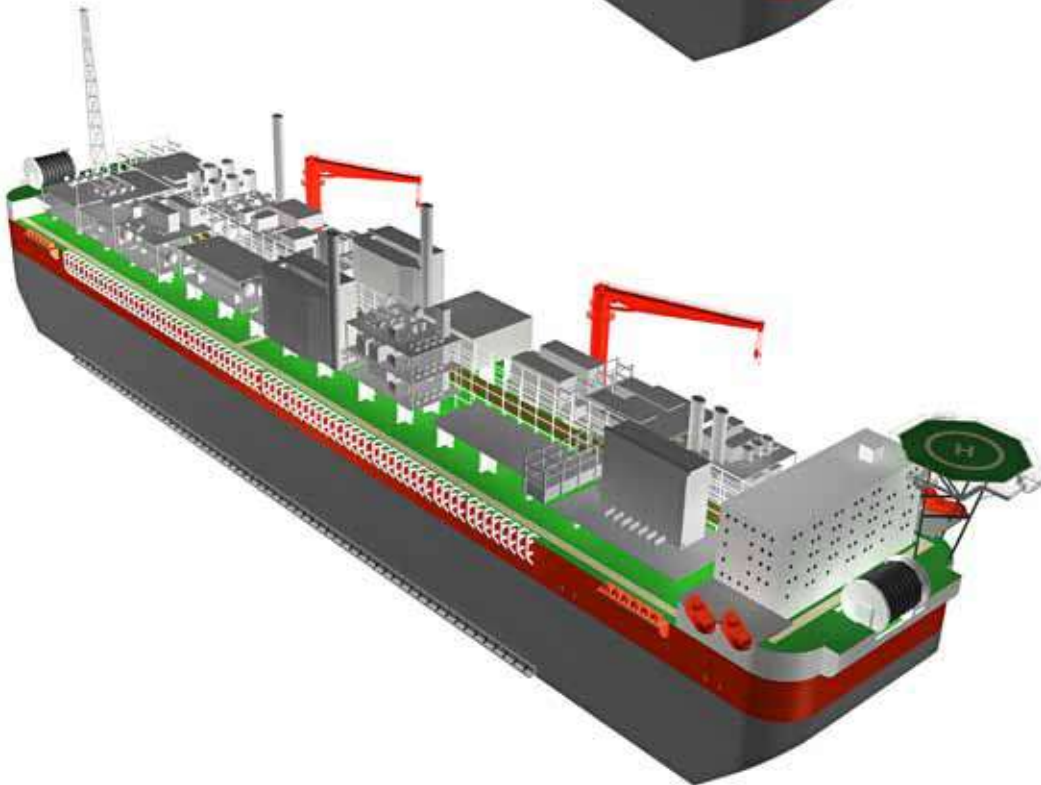
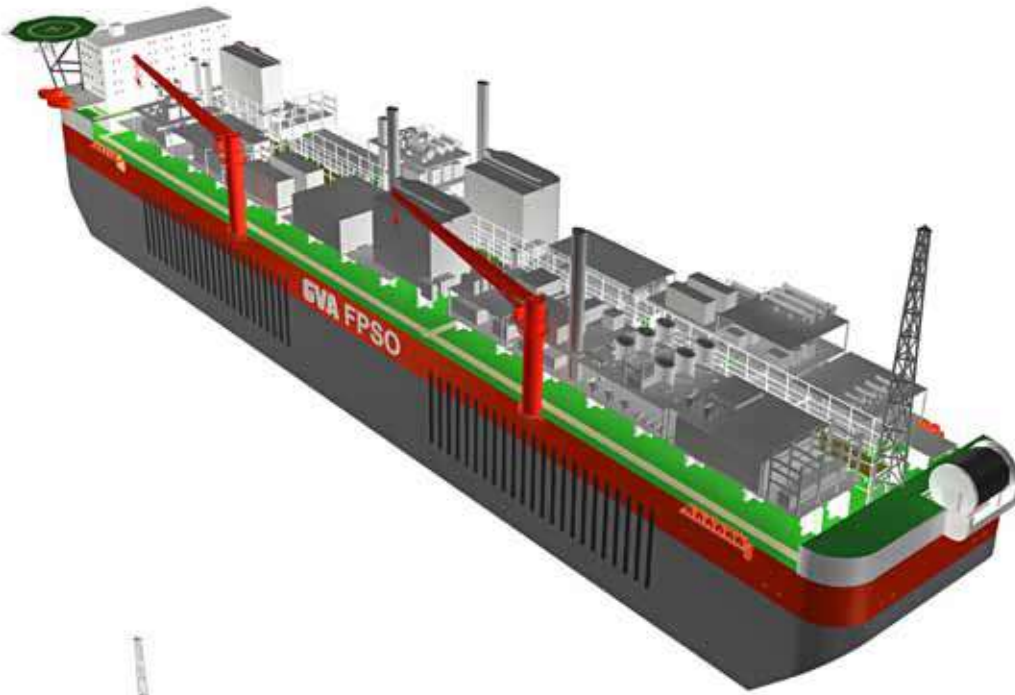
A KBR Company

Master of the Oceans



GVA 32000





A RELIABLE AND FLEXIBLE FPSO

Experience and knowledge-based engineering

- Harnessing GVA fabrication and design experience
- Blending new and proven design technologies
- Fabrication-friendly, cost efficient design

Timely design capabilities

- Hull and hull system design utilising Aveva Marine software
- Minimised time from project start to MTOs and technical enquiry design
- Optimised to yard capabilities

Deepwater configuration

- Spread mooring
- Vertical steel catenary risers
- 160 m riser balcony accommodating up to 63 risers

Increased efficiency

- Optimised storage capacity in relation to lightship weight
- Tandem offloading configuration
- Hydraulic or electrically-driven offloading system
- Optimised logistics within the hull

Robust and reliable design

- Latest engineering and design tools guarantee compliance with current regulatory requirements
- Supported by a full spectrum of safety studies
- Designed for minimised maintenance

Global performance

- Low motion characteristics appropriate for a wide range of riser configurations
- Motion behaviour optimised for site specific environmental conditions

Structure

- Yard-friendly design suitable for high efficiency panel line fabrication
- Robust design with a fatigue life of minimum 25 years free of intermediate drydockings
- Sturdy stool configuration with inherent flexibility
- Double sided

Safety performance

- Applying advanced safety in design principles
- Complete boundary separation between production areas and living quarters
- New generation life-saving appliances

Accommodation and control stations

- Living quarters for 110 persons
- Configured for an additional 50 persons in temporary accommodation
- Central control room: modern layout with human needs uppermost

GVA 320000

Operational area	Moderate environmental conditions
Hull configuration	Double sided, single bottom FPSO, paired cargo tanks
Classification	ABS
Accommodation	110 + 50 persons
Features	Purpose designed for efficient fabrication; cost efficient and reliable in operation; robust design with low motion characteristics; deadweight efficient

MAIN PARTICULARS

Length overall	abt 307.5 m	abt 984.3 ft
Width overall	abt 74.0 m	abt 117.2 ft
Max operational draught	23.2 m	76.1 ft
Displacement	320,000 mt	374,785 st
Topsides	30,000 mt	33,070 st
Length between perpendiculars	283.6 m	944.9 ft
Beam moulded	54.0 m	117.2 ft
Depth moulded	31.5 m	103.3 ft

TANK / STORAGE CAPACITIES

Cargo oil/storage capacity	min 265,530 m ³	min 1,670,000 bbls
Slop capacity	6,780 m ³	42,645 bbls
Ballast capacity	113,300 m ³	712,636 bbls