The Kobi Ruegg is a multi-purpose vessel suited for high resolution geophysical surveys and seafloor mapping. Measuring 59 metres in length, the vessel is ready for rapid deployment to locations throughout Egypt, the Mediterranean and Black Sea.

Onboard instrumentation includes shallow and deepwater multibeam systems, a range of sub-bottom profilers and a HIPAP long range positioning system. Other systems that can be mobilised to meet project requirements include Fugro’s Hugin-based Echo Surveyor VII autonomous underwater vehicle (AUV), ROVs, High Res Seismic and a range of geotechnical equipment. Fugro’s Starfix™ Differential Global Positioning System (DGPS) is employed for accurate positioning.

Surveys are tailored to meet client needs. Typical fieldwork involves projects for the energy and government sectors, as well as for engineering firms.

The vessel is particularly suited for the following project types:
- Drilling Site Surveys
- Pre Engineering Surveys for field development
- As-built pipeline surveys
- Geohazard and SEEP surveys
- SEZ Surveys
- Cable Route surveys
- 2D seismic multi-channel surveys
- ROV inspection surveys
- Shipwreck and aircraft searches
**KOBI RUEGG**

**Technical Specifications**

**General**
- **Name**: R/V Kobi Ruegg
- **Classification**: USCG Subchapter U, SOLAS, ABS Class +A1, +AMS, +DPS-1, +ACCU, ENVRI, GP, POT, SEC
- **Owner**: Fugro
- **Built**: 2015
- **Port**: Nassau (flag Bahamas)
- **MMSI No.**: 31100683
- **Call Sign**: C6DI4
- **IMO No.**: 9713753

**Dimensions**
- **LOA**: 58.8m
- **Beam**: 12.5m
- **Depth Molded**: 4.57m
- **Tonnage**: 1340 GT
- **Operating Range**: 8000 nm at 10 knots

**Accommodations**
- **Cabins**: 38 Total - 6 (1) man x16 (2) man - (1) hospital
- **Recreation**: Lounge, GYM, Satellite, TV

**Machinery**
- **Propulsion**: 2x 850kw Z drives
- **Bow Thruster**: 1x 350kw
- **Cruising Speed**: 10 knots
- **Maximum Speed**: 12 knots

**Electrical Power**
- **Main Generators**: 2x 940kw
- **Emergency Generator**: 1x 138kw
- **Clean Power**: 2x 16kva Instrument Room

**Capacities**
- **Fuel Capacity**: 394 m³
- **Fuel Consumption**: 6 tones per day @ 10 knots
- **Water Capacity**: 227 m³
- **Water Making**: 10.6m³

**Control and Navigation**
- **Auto Pilot**: Simrad AP70
- **DP System**: NAVIS NVCS4000/2000
- **Radar**: Furuno FAR2117 x Band, FAR2137 S Band
- **Electronic Chart**: FMD3300 ECDIS
- **DGPS**: 2x Furuno GP1500
- **Gyro**: 1x Meridian Standard, 1x Survey
- **Speed Log**: Furuno SD80
- **Echo Sounder**: Furuno FD700
- **AIS**: Furuno FA150

**Deck Machinery**
- **Deck Crane**: DMW 40,000 EXW130 2200kg @13m
- **Hydraulic A-Frames**: 2x 10t

**Communications**
- **MF/HF**: Furuno FS7525T
- **V-Sat**: Sea Tel 4012GX
- **VHF**: 3x ICOM412

**Emergency Radios/Beacons**
- **GMDSS**: Furuno A3
- **EPIRB**: Seassafe E100G
- **SART**: Seassafe S100

**Safety**
- **Rescue Boat**: RSQ450A
- **Life Rafts (200%)**: 4x 25 persons 1x16 persons
- **Survival Suits (100%)**: 38 + (4 pers for OOW)
- **Life Jackets (200%)**: 79 pcs

**Survey Equipment**
- **AUV**: Kongsberg 3,000/4,500m (upon request)
- **DGPS Positioning**: Fugro Starpack GNSS Receiver
- **Online Navigation System**: Fugro Starfix/Seis / Starfix NG
- **Offline Processing System**: Fugro Starfix.Proc, Caris, Fledermaus
- **Acoustic Positioning**: Kongsberg 501+ Mru5
- **Motion Reference Unit**: Applanix Pos MV320E
- **Echo Sounder**: Kongsberg EA600
- **Multibeam Echo Sounder**: Hull Mounted Kongsberg EM302 and Reson 7125
- **Sound Velocity Probe**: Valeport
- **Sound Velocity Profiler**: SBE-19 Plus
- **Side Scan Sonar**: Edgetech 4200
- **Sub Bottom Profiler**: Edgetech 3300 and Hull Mounted DW106/ PVDF Rx-9 Panels
- **Magnetometer**: Marine Magnetics SeaSPY
- **Digital Logging**: Sonar Wz
- **Seabed Sampling**: 3/6/9 m piston corers, 5m Box Corer
- **Digital Recording System**: HTI NTRS 240ch.
- **Streamer**: HTI Seamux gel filled 6.25m/12.5m
- **Firing Controllers**: Real Time Systems Long Shot
- **Far Field**: Upon request
- **Depth Controllers**: Diggocourse 5010 & 5011
- **Gun Source**: GI 90,150,210ci
- **Network**: Several 10G Bas T
- **Compressor**: Gardner Denver/Reavell, Model 5437 90 SCFM each/3 units Electric Drive