

R/V Baruna Jaya 1



The survey vessel, R/V Baruna Jaya 1, is operated by Fugro Survey Private Limited, Singapore. Built in France the vessel was specifically designed as a multi purpose survey vessel for the Indonesian Hydrography Department. Fugro acquired the Baruna Jaya on a long term charter in 2008 and permanently installed a complete suit of survey spread ready to be deployed to survey locations region wide.

Instrumentation provided onboard the vessel consists of 2D high resolution seismic, sub-bottom profilers, multi beam and single beam echo sounders, side-scan sonars, USBL, Marine Magnetics SeaSpy magnetometer, gravity coring system, and off-line processing, draughting and reporting systems. The Fugro STARFIX Global Positioning System provides state-of-the-art differential GPS positioning of the survey vessel. The on-line navigation station and instrument room, are networked to the various off-line processing stations for integration of all survey activities from data collection through to final onboard reporting.

Clients within the oil and gas industry, the cable sector and government agencies utilise the Baruna Jaya to obtain high resolution data for permitting, planning, design activities and cable engineering within the offshore industry.

Fugro Survey is accredited against the international quality standard ISO 9001:2000 and operates in accordance with a Health, Safety standard OHSAS 18001:1999 and Environmental Management System standard ISO14001:2004 which is integrated with its Quality Management System. Together these systems conform to all national and international legislation as well as industry guidelines. Fugro Survey is a member of the multi-national Fugro Group of companies with 200 offices in over 45 countries. Clients can benefit from individual and collective experience of hundreds of survey professionals at Fugro Companies worldwide.

Vessel Capabilities

- Hazard Surveys
- High Resolution Site Surveys
- Mineral Surveys
- Tow Route Surveys
- Cable Route Surveys
- Pipeline Route Surveys
- Pipeline Inspection Surveys
- Swathe Bathymetry Surveys
- Deep Tow -1 Survey
- Gravity Coring
- Shipwreck & Air Accident Searches



R/V Baruna Jaya 1

Vessel Details

Name : **Research Vessel Baruna Jaya 1**
Call Sign : Y E A S
Flag : Indonesian
Type : Research Special Deep Sea
Classification : BKI A 100 1 MS
Plimsoll (International Load Line) : GT.1189 No. : 1994/Ba. 2003. No. 103/L
Built by : Cherbourg – France
Year Rebuilt : 1989
GRT : 1189 T
NRT : 357 T
L OA : 60.40 Meters
L BP : 55.25 Meters
Breadth : 11.60 Meters
Depth at upper deck : 6.50 Meters
Mean Draught : 4.10 Meters
Speed – Cruising speed : 10 knots
Accommodation : 50 people; 24 marine crew and 26 survey crew.
Owner : Badan Pengkajian dan Penerapan Teknologi (BPPT)
Main Engine (ME) : 2 x 1,100 HP (850 Rpm), Niigata Pielstick 5 PA 5 L
Support Engine (AE) : 1 unit Boudouin 270 HP (1500 Rpm)
Synchronous Alternator : 1 type (by Jeumont Schneider) 200 KV (Rpm 1500)
Alternator : 2 type (by Jeumont Schneider) 625 KV (Rpm 1500)
Voltage : 3 phase 380V & 220V
Bow Thrusters (BT) : 1 unit Pleuger 200 HP (1450 Rpm)
Propeller Type : CPP type 417, anti clockwise
Number of propeller : 4 units
Fuel capacity : HSD 290,000 litres, Oil 9,370 litres
FW capacity : 93.70 tons
Fuel consumption : 7.7 Tons per day (full speed)
Life raft : 6 ea capacity for 25 people, 2 ea capacity for 20 people
Rubber boat : 1 ea
L C T : 1 ea
Gantry / A-Frame : 1 ea capacity 15.8 tons
Main Crane : 1 ea capacity 2.6 tons for 12 m / 7 tons for 5 m

Contact Details

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Client Representative - 2 : rep2_barunajaya1@hmcmail.com



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Survey Equipment

Survey equipment positioning/navigation

Fugro Starfix / SkyFix DGPS /XP/HP systems
Fugro Starfix Navigation Suite c/w Realtime Positioning & QC
Meridian Survey Gyro
Sonardyne USBL

Analogue geophysical equipment

Allied Microsystems STD-12 Plus Temperature Salinity probe
Simrad EA600 Echosounders c/w
Side mounted 38/200 kHz transducers
Odom Echotrack MkII echosounders c/w
Side mounted 33/200 kHz transducers
SEABAT 8101 Multibeam.
GeoAcoustics dual frequency Sidescan Sonar
Hull mounted 4x4 transducer array (3.5 - 7 kHz)
Mini airgun (10 cu.in)
Dual G-Log/GPlot Acquisition systems

Geotechnical

3m gravity corer
Grab samplers

Bathymetry/navigation processing & charting

2 x A0 colour plotter
Light table
Digitiser

Digital equipment

TTS System 2 Plus recording system up to 120 channels recording capability

Source

4x10cu.in, 4x20cu.in or 4x40cu.in sleeve gun arrays
2 x Price 200 scfm compressors
1 x TTS SC2008 gun controller
2 x Syntron GCU-90 gun controllers

Streamer

GECO GX600 Streamer, 1500m active length
Digicourse 5010/5011E streamer/compass levellers
Passive tail buoy
Streamer/gun positioning (optional)

Tracs-GeoPod

Digicourse Digirange
MDL Fanbeam laser (optional)

Quality control & seismic processing

ProMAX 2-D
Sun Ultra Enterprise 2 model c/w 200 MHz Ultra Sparc
Fujitsu 3490E cartridge drive
OYO-GS624 Versatec thermal plotter
Concept Reflex online/offline binning (optional)
High speed data links to shore (optional)

Data management/storage

100 base-T Ethernet Network
Data storage on snap servers (up to 6 x 240GB disc space)

For enquiries please contact us at:

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