Hydro-Geophysical Services is a fast growing Indonesian based Service Company formed in early 2010 which is primarily on sea and land survey services in support of construction and drilling industries and is pleased to offer the following services:

- Survey and positioning
- Data processing and mapping
- Sea and land surveying

Hydro-Geophysical Services is managed and staffed with highly trained and experienced personnel offering high quality services and cost effective solutions to the industry. The services are carefully managed and conducted with a combination of: detailed planning, fully competent personnel, the latest technology, robust work procedures and a stringent QHSE (Quality Safety Health environment) plan

In order to keep ahead of the progressive nature of the industry, Hydro-Geophysical Services places personnel development activities high on its list of priorities
Registered Business Name: PT Hydro-Geophysical Services

Registered Business Address: Jl. Nogotirto No.2A, Nogotirto Gamping, Sleman, Yogyakarta, 55292 Indonesia

Office Telephone No.: +62 274 626 815

Office Facsimile No.: +62 274 626 815

Nature of Company: PT (Perseroan Terbatas)

Managing Director: Tajul Mugni
Company’s Business Licenses & Certification

Deed of Incorporation

Founding: Deed No.14
Date: 23rd Februari 2010
Change: Deed No. 31
Date: 23th April 2013
by: Bong Hendri Susanto, SH

Company Registration (TDP): 120517001624
3814/33

Business Permit (SIUP): 048/12-05/PM/VI/2015| 3813/13
Date: 09 June 2015

Business Permit (SIUJK): 1.3471.1.00034.077176
1264/18
Date: 27 February 2017

Tax Registration No. (NPWP): 03.041.036.9-541.000

KADIN Certificate: 20401-13000044
Company’s Business Licenses & Certificates

Certificate of Business Entity (SBU Jasa Konsultan Spesialis):
Number : 0427925
Registration Number : 3-3471-05-086-1-12-077176
Subclassification Code :
- SP301 Jasa Pembuatan Prospektus Geologi dan Geofisika
- SP302 Jasa Survey Bawah Tanah
- SP303 Jasa Survey Permukaan Tanah
- SP304 Jasa Pembuatan Peta

Certificate of Business Entity (SBU Jasa Konsultansi Non-Konstruksi):
Number : 3471-486112-000047
Number Seri : 160018805
Sub-Services classification Code :
- 1.SS.01 Survey Teristis
- 1.SS.02 Penginderaan Jauh/Fotogrametri
- 1.SS.03 Survey Hidrografi/Batimetri
- 1.SS.04 Sistem Informasi Geografi
- 1.SS.05 Survey Registrasi Kepemilikan Tanah/Kadastral
- 1.SS.06 Survey Geologi
- 1.SS.07 Survey Pertanian
Certificate of Expertise (SKA):

- Asyhari - Ahli Geodesi Madya
  Registration Number: 1.2.217.2.148.29.1138589

- Rahardian Fauzi - Ahli Geodesi Muda
  Registration Number: 1.2.217.3.142.31.1161098

- Joko Andi Harnanto - Ahli Geodesi Muda
  Registration Number: 1.2.217.3.142.04.1150357
In supporting the offshore and onshore survey and construction industry Hydro-Geophysical Services offers:

**Offshore survey, including:**
- Rig Positioning
- Bathymetric Survey
- Construction Survey Support
- Oceanographic Survey
- Site Hazard and Geophysical Surveys
- Dredging Monitoring
- Geotechnical

**Onshore survey, including:**
- Topography
- Leveling, Cut and Fill
- Stake Out and Bench Mark Measurement Traverse
- Piling
- Boundary Lay Out and Access New Road

www.hydro-geophysical.com
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We would like announce that PT. HGS has proven productivity by conducting a great a number of projects, satisfying so far, without any complain from Clients, as follow:

- PT Alam Jaya Makmur (PT AMS), Provision Personals for Inshore, nearshore and offshore Pipeline Inspection at Mahakam Delta, for Total Indonesie E&P, July 2011

- PT Inti Segara Services-Jakarta, Geophysical and Geotechnical Site Survey of West Kambuna, Medan, North Sumatera, for PT Petronas Carigali, July-August 2011

- PT Alam Jaya Makmur (PT AMS), Provision of Personals for Inshore, nearshore and offshore Pipeline inspection at Mahakam Delta, for Total Indonesie E&P, September-October 2011

- PT Pageo Utama-Handil, Provision of Personals for Marine Hazard Survey at Mahakam Delta, for Total Indonesie E&P, October-November 2011

- PT Pageo Utama-Jakarta, Provision of Personals for TSB Phase II, Geophysical Site Survey, Kangean, for Kangean Energy, November 2011

- PT Geomahakarsa Indonesia, Geophysical Hazard Survey at Ujung Kulon, Banten, November-December 2011

- PT Kaliraya Sari (KRS), Buried Pipeline Detection Survey using Seaspy Marine Magnetometer at RC-04, for Total Indonesie E&P, March 2012

- PT BW Geohydromatics, Bathymetry Survey at New Port Cilmaya, Ciparage, West Java, March 2012
• PT Bina Perkasa Nusantara (BNP), Provision of Personals for Cable Route Design and Engineering of Tarakan, East Kalimantan, April-May 2012

• PT Pageo Utama, Provision of Personals for Geophysical Survey at Main Stupa, Total Indonesie, June - July 2012

• PT Calmarine Indonesia, Provision of Personals for Bathymetry and Geophysical Survey at Senunu, Nusa Tenggara Barat, PT Newmont, June-July 2012

• PT Calmarine Indonesia, Provision of Personals for Pre-Contruction and Clearance Survey at KE40, KE38, KE54 & KE39 at East Java, PHE MWO, August 2012

• PT Indoliziz Marine, Barge Positioning Survey at KE30 East Java, PHE MWO, August 2012

• PT Cakrawala Amartha Jaya for PT Sigma Indonesia, Pre-Lay and As-laid Cable Route Survey from MPA to WPP Platform, Camar Resources Canada, Inc, October-November 2012

• PT Cakrawala Amartha Jaya (PT CAJ), Pipeline Inspection Survey for the existing 18” Gas Pipeline from OFP to WHPA and WHPA to WHPB, HESS Pangkah-Indonesia Limited, November & December 2012

• PT Indoliziz Marine, Barge Positioning Survey at KE30 East Java, PHE MWO, February 2013

• PT Alam Jaya Makmur (PT AMS), Provision of Personals for Inshore, nearshore and offshore Pipeline inspection at Mahakam Delta, for Total Indonesie E&P , February 2013

• C&C Technologies Singapore, Provision of Personnel for Pre-Lay and Post-Lay Pipeline Survey for DUA Subsea Development Project, for Premiere Oil Vietnam Offshore B.V., February 2013
• PT Geotindo Mitra Kencana, EPCIC of the Pipeline System for Lampung Floating Storage and Regasification Facilities, Pre-Construction Survey, March 2013

• PT Bina Nusantara Perkasa (BNP), Survey Positioning for Cable Repair, April-May 2013

• PT Cakrawala Amartha Jaya (CAJ), Cable Route Survey, PT Sarana Global Informasi (SGI) for PT Telkom Indonesia, April-June 2013

• PT Geospecialist, Miang Besar Coal Terminal Order 2 Branchmark Installation and Bathymetry and Side Scan Sonar, July 2013

• Trans Tek Engineering for Miang Besar Terminal, Miang Besar Coal Terminal order 2 Branchmark installation and Bathymetry and Side Scan Sonar Survey, Miang Besar, Kaltim, July 2013

• PT Alam Jaya Makmur (PT AMS), Provision of Personals for Inshore, nearshore and offshore Pipeline inspection at Mahakam Delta, for Total Indonesie E&P, August 2013

• PT Pualam Emas Sejahtera & Duta Marine for PT Kangean Energy, TSB Mooring Installation, Kangean Field East Java, Nov - Dec 2013

• PT Indoliziz Marine, Positioning Survey for Accomodation Work Barge, Gresik East Java, Februari 2014

• MSHK Limited, Bathymetry Survey on Board Mitra Anugerah 9 at Selat Makassar, Tanjung Aru Makassar Strait, March 2014

• PT Cakrawala Amartha Jaya for PHE WMO, WMO Pipeline Inspection Survey, PHE WMO Field North Madura, April - May 2014

• PT Cakrawala Amartha Jaya for PHE WMO, Diving Campaign for Freespan Rectification, ROV Survey Inspection and Anode Installation at PHE WMO, PHE WMO Field North Madura, August - October 2014

• PT Titis Sampurna Inspection, Geodetic Survey for Establishing New BM in the ORF Gresik, Gresik Jawa Timur, December 2014

continued to next page...
• LKFT UGM for PT PLN, Studi Hidro-Oseanografi Pembangunan Interkoneksi Kabel Laut 20 kV Lombok - Gili Gede, September 2015

• PT Titis Sampurna for PHE-WMO, Pipeline Route Inspection Survey, November 2015, Madura Strait


• Fakultas Teknik Sipil Universitas Diponegoro for PT PLN, Pekerjaan Studi Topografi, Hidro-Oseanografi dan Penyelidikan Tanah Jalur Transmisi Tersebar Pulau Ternate dan Pulau Tidore, November-Desember 2016

• PT Alamjaya Makmur Sejahtera for TALISMAN ANDAMAN B.V., Provision Of Pre-Scouting Survey Services For Andaman, Aceh, Januari-Maret 2017

• PT Explora Prima for PHE WMO, Geophysical Site Survey, PHE WMO Field, April 2017

• PT BLACKMORE MANAGEMENT SOLUTION, Provide Personnel for Multibeam Survey, Rwanda-Afrika, May-August 2017

• PT Patra Drilling Contractor for PHE WMO, Survey Positioning for Accommodation Work Barge BARUNA 1, Poleng Field, May-June 2017

• PT Explora Prima for PHE WMO, Geophysical Site Survey, PHE WMO Field, June 2017

• PT Explora Prima for PT McDermott Indonesia, Bathymetric and Side Scan Sonar Survey, Batam, June 2017

• PT Trijaya Global Marindo for PERTAMINA EP, Survey Positioning for Accommodation Work Barge FIORE, AW Platform-Poleng Field, July-August 2017
• PT Western ESP Indonesia for PERTAMINA EP, Survey Positioning for Accommodation Work Barge PALONG 3, X-Ray Field PERTAMINA EP, July 2017

• PT Sucofindo for PERTAMINA EP, Bathymetric and Side Scan Sonar Survey for Inspection Assessment Re-Engineering and Certification Subsea Loading Line PT PERTAMINA EP Asset V, Sangatta Field, July 2017

• PT Trijaya Global Marindo for PERTAMINA EP, Survey Positioning For AWB FIORE Move Out From AW Platform Pertamina EP, August 2017

• PT Trijaya Global Marindo for PERTAMINA EP 3, Positioning Survey Services For AWB Paradigma Perkasa At XD Platform, August - September 2017

• PT Trijaya Global Marindo for PERTAMINA EP 3, Positioning Survey Services For AWB Paradigma Perkasa Move Out From XD Platform, September 2017

• PT Spektra Dinamika for PT Surveyor Indonesia for PT Pertamina, Pekerjaan Jasa Konsultansi Survey Hidro - Oseanografi Di Perairan Untuk Kepentingan Sendiri (Tuks) SPM 50.000 DWT dan Jalur Pipa Submarine, September - November 2017

• PT Explora Prima for PT WASCO, Seabed Clearance Survey At Hyundai’s Jetty, Pt WASCO’s Yard, Batam, October 2017

• PT APEXINDO for SANTOS PTY LTD, Positioning Survey Services AWB Kingfisher For Seagood 101 Decoms Or Sampang Restart Project At Oyong Field, November-December 2017

• PT Trijaya Global Marindo for PERTAMINA EP 3, Positioning Survey Services For AWB Paradigma Perkasa at XD Platform (Reposition), December 2017

• PT Trijaya Global Marindo for PERTAMINA EP 3, Positioning Survey Services For AWB Paradigma Perkasa Move Out From XD Platform, December 2017
Equipment & Methods

High Resolution Seismic 48 Channels w/ ‘Airgun’ Source
Singlebeam and Multibeam Echosounder

Side Scan Sonar
Sub-Bottom Profiling

Boomer, Sparker

Geochirp

Marine Magnetic
Gravity / Drop Coring

Current Measurement