



Land Surveying	Hydrographic Surveying	Construction Surveying	GIS	CAD 2D / 3D Modelling	Laser Scanning	LIDAR	Geotechnical & Construction
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Who are we?

Trikonex was established in 2003 to provide survey services and geotechnical "trouble shooting" consultancy worldwide supported by "low cost" but highly effective resources of Indonesian company PT. Geoindo and the technical support and access to "state-of-art" survey equipment provided by BB Consulting of the UK.

Our joint company experience includes more than 11 years experience in oil, gas and mining as well as working with project owners, consultants, contractors and banks.

Our specialist geotechnical expertise spans more than 30 years worldwide including Europe, Africa, Middle East and Far East.

Our new website www.trikonexltd.com and brochure are now available.

Contact us via website or email bobbacc@trikonexltd.com for a brochure, or to arrange a meeting or discuss a particular project need.

New developments

The start of 2005 sees many new & exciting developments for Trikonex :

- New website & brochure
- New structure of associated companies to provide survey & Mapping services
- ISO 9000 certification by Lloyds in progress will make Geoindo the first Indonesian survey company to be ISO 9000 certified in Indonesia
- New equipment - Laser Scanner & DGPS
- New association with Infoterra

What's new - our services

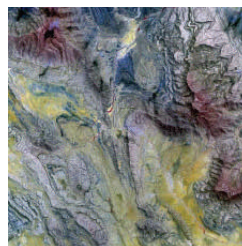
◆ [Laser Scanning & 3D Modelling](#)

Ideal for industrial plants, offshore oil platforms, LNG plants, chemical or pulp plants, power stations.

Cuts time & cost for RETROFIT and maintenance.

Proven to be faster, cheaper & more accurate than manual survey. Far better for 3D visualisation. Also ideal for remote access survey of slopes, roads, bridges, airports and mine sites.

◆ [Association with INFOTERRA](#) - a European Space Agency company.



This exciting new association enables us to utilise the extensive resources & library of the European Space Agency to provide GIS mapping, satellite imagery & air photography that is unique due to easy accessibility, speed of availability & provision of international standard service by recognised international experts experienced in this field.

◆ [LIDAR airborne laser scanning for large scale topographic mapping.](#)

We are able, in association with INFOTERRA, to carry out LIDAR & DGPS missions for fast & effective topographic surveys to +/- 25 cm accuracy of large areas for mining exploration, oil & gas, plantations, real estates and other large scale projects.

Topographic mapping & terrain modelling within days or weeks instead of months or years.



What's new - equipment

We have added to our pool of GPS equipment an additional 2 No. Leica GX1200 series DGPS units (base station / rover) and a third DGPS SR 500 series unit (base station) with powerful radios for greater range & improved real time surveying. In addition we have upgraded our software to latest versions of Geo Office in order to keep us at the forefront of GPS survey technology.

● HYDROGRAPHIC SURVEY

New dual frequency CEEDUCER PRO bathymetric unit with software has been added to our existing pool of 2 No. single frequency units.

● LASER SCANNING

New MENSİ GS200 3D Laser Scanner with up to 350m range and 1.5 mm accuracy, 360° panoramic field of measurement, digital photograph overlay for real colour image rendering, with Wi Fi enabled PDA handheld unit for cableless operation, hand portable and light for transport to remote work sites and offshore oil platforms.



Another satisfied customer

"..... have been pleased ... we have no hesitation in recommending them to any prospective client & would be happy to work with Trikonex again."

Petronas Carigali, October 2004



Recent projects

• LAND SURVEYING

Projects recently completed that illustrate the wide range of services and projects that we undertake include :

- **200 km oil pipeline routing & survey** carried out by 5 survey teams with DGPS and total stations supported by satellite imagery and air photography from helicopter. Survey in the Sudd swamp, world's largest, adjacent to River Nile in South Sudan for Malaysian oil company – Petronas Carigali.



- **Survey support to oil exploration, drilling, construction & oil field development** to Petronas Carigali for well locating, routing of access



roads as well as construction of roads, well pads, airstrip and new facilities to develop the Thar Jath & Mala oilfields in S. Sudan.

- **Geotechnical Advisor** to Petronas Carigali in Sudan for design & start up of soil investigations for Central Processing Facility, accommodation areas, pipelines & crossing of Bahr El Ghazal river – a tributary of the River Nile.

- **Hydrographic survey** at Batam Centre, Indonesia of an area 1.5 km x 1.5 km for consultant Black & Veatch (Singapore) for a new reclamation project.



- **Geodetic Ground Control** for Koba Tin for exploration & mining of tin deposits at Bangka Island, E. Sumatra.
- Lundin Oil at Banyumas in Central Java. **Topographic survey, soil investigation & civil engineering design** for access road & well site on top of 200 m high limestone hill.

Welcome.....

To our new staff

- Bill Baird** – Office Manager
- Yudi** – Surveyor
- Novan** – IT
- Sunardi** – Logistics



who have joined our team in Indonesia at Geoindo.

and to :

- Luke Jarrey** - IT
- Sheena Bannatyne** - PA



Who joined our business development team in UK at BB Consulting.

Contact us

For further details or to arrange a meeting to discuss your project needs please contact by phone or email either :

- Bob Bacciarelli**
– Technical Director
bobbacc@trikonexltd.com



We will be more than happy to discuss your specific project and how we can provide you with our survey / mapping services to better visualise your project.

