



International Federation of Surveyors
Fédération Internationale des Géomètres
Internationale Vereinigung der Vermessungsingenieure
Corporate Member (CM-30076)



CONSTRUCTION
TECNOLOGICAL
SERVICES

Reg. PV 00235297



Geospatial Surveying & Engineering & Construction Services

OUR HISTORY

Construction Technological Services (CTS) was established in 1994 by our founder and current Managing Director, Mr D.M. Thilakarathne. Initially, Mr Thilakarathne founded CTS to provide specialist engineering survey related services to clients in the private and public sectors. In 2013 we developed a strong relationship with the public sector in their irrigation engineering projects.

Subsequently, the company were involved in the engineering survey and design aspects. As a result, CTS has adapted the most advanced technologies in engineering surveys and strengthened its human resources with the most experienced and capable workforce.

Being involved in such nationally significant projects meant that interest in our company and the services we offer expanded substantially, which enabled us to become the multi-disciplined engineering consultancy that we are today.



Our goal is to become a major engineering consultancy service provider in Sri Lanka while developing our business in other countries. The growth and success of CTS will be driven by absolute focus on two groups of people; our clients and our employees. We will form long standing partnerships with our clients, supporting them with high quality solutions to their problems and an unrivalled level of service. We will recruit the best people in our industry, support them in developing their skills and encourage them to grow with the business.



OUR MISSION

To be an internationally recognized Consulting firm, maintaining optimum performance and accuracy in all aspects of construction phases through assigning the best professionals and the use of state of the art technology.

OUR VISION

To be the professional most efficient consulting organization in the engineering sector.

SERVICES PROVIDED



- Civil Engineering Consultancy Services
- Hydrographic Survey
- Topographical Survey
- Construction Survey
- Drone Survey
- Quantity Survey
- Irrigation Engineering
- GIS Related services
- Photorealistic 3D Modeling
- Raster-based spatial modeling and analysis
- Satellite image processing, image analysis and interpretation
- Cartography

PROJECTS

Hydro Power Project at Upper Kothmale

Setting Out of Tunnels, Power House, Penstock, Switchyard under Maeda Nishimatsu JV.(Japan)

NOEL International (Germany)

Hydro power project at Kukule Ganga
Setting Out of Tunnels, Power House, Penstock, Switchyard under NOEL International. Chief Surveyor was provided by our company.



BALFOUR BEATY Construction International LTD. (United kingdom)

Work involved Setting out Roads, Tunnels, Powerhouse, Penstock, Switch Yard and the Tailrace In Samanalawewa Hydro power project.

Lanka Transformers Ltd.

Setting out of 43Km High tension power line from Puttalam to Maho.
Detail survey of Ampara and Valachchanai grid sub stations for extentions.

N.B.N. Associate

This Project involved Detail and Profile Survey for Designing of medium voltage transmission line and setting out tower positions of total 340 Kilometers.

Department of Agrarian Services

Surveying, CAD drafting , Design, Volume calculation and Preparing BOQ of Irrigation Tanks throughout the country

CECB Central Engineering Consultancy Bureau

Topographic/ Bathymetric survey at Hambanthota harbour Dockyard project.
Surveyed 150 Hectares of land and 50Ha of bathymetry for the proposed site.

Cardno International (Australia)

Topographic survey on Jaffna provincial roads.
Topographic survey on provincial roads in Central and Sabaragamuwa provinces
Topographic survey on Hatton Nuwaraeliya Road.

MTHojgaard (Denmark)

Towns South of Kandy Water Supply Project constructed by MTHojgaard of Denmark. Re-Housing Project (Oluvil Port Project) constructed for MTHojgaard under the Oluvil Commercial and Fisheries Harbor Project.

Hazaama Corporation (Japan)

Construction Survey for Emergency recovery project on Four Causeways in Ampara, constructed by Hazaama Corporation.

Roughton International (England)

Conducting a Topographic survey on proposed site for Sri Lanka Multimodal Transport project .

Boscalis International BV (Holland)

Construction Survey in Vilifushi Islands Maldives (Tsunami aided project) constructed by Boscalis international b.v. (Holland).



Lanka Hydraulic Institute (Sri Lanka)

Topographic Survey for Urgent Development Project in Galle Harbor under Lanka Hydraulic Institute.
Hambanthota Bathymetric Survey along the shore line under Lanka Hydraulics Institute.

NIRA'S Port consultation

Matara Beach Park Topographical Survey under NIRA's Port Consultation.

US Aid

Topographical Survey on Galle Canals funded by US Aid.

United Nations Development Programme (UNDP)

GEF funded Project on "Strengthening the Resilience of Post Conflict Recovery and Development to Climate Change Risks in Sri Lanka" Surveying, CAD drafting, Design, Volume calculation and Preparing BOQ of 26 Model Irrigation Tanks located in Kurunagala District

Emergency Recovery Program (Greentech consultants)

Detail Survey along the proposed road in Malabe – Ambathale road

Abeinsa Infraestructuras Medio (Spain)

Provided a survey crew for assist the survey work on the Rathnapura Water supply project.

Mahaweli Consultancy Bureau

NCP canal project - This project was to construct new canals from Matala Bowathenna to Maho.

Peraj Mining (Australia)

Topographic survey of proposed mining site—This project consist of topographic survey and data interpretation using DEM.

Nipon Koei (Japan)

Topographic survey of proposed Hydro power project. This involved all the survey work related to feasibility studies. altogether there was more than 100Ha to be surveyed. Topographic survey under project on formulating cascade system development plan under north central province canal in democratic socialist republic of Sri Lanka.

Access Engineering

Surveying 238Km of PRDA roads for towns east of Colombo water supply project.
Topographic surveys and setting out work in Veyangoda fly over bridge. Bathymetric survey in Labugama and Kalatuwawa tank.

IUCN - International Union for Conservation of Nature

Establishing boundary location with concrete landmark in Kallanchiya Agrarian services Centre in Anuradhapura District

EQUIPMENT & SOFTWARE

Item	Description	Number of Units	Brand	Model	Country of origin
Equipment					
1	GNSS Systems	6	Trimble	SPS986	USA
	GNSS Systems	4	Trimble	R6	USA
	GNSS Systems	4	Leica	GS15	Switzerland
2	Survey Grade Unmanned Aerial Vehicles (UAV)	1	Multirotor GmbH	G4	Germany
	Survey Grade Unmanned Aerial Vehicles (UAV)	1	DJI	M600	China
3	Total Stations	3	Nikon	DTM362	Japan
	Total Stations	2	Topcon	GTS229	Japan
	Total Stations	1	Leica	TCA1100	Switzerland
	Total Stations	2	Trimble	M3	USA
	Total Stations	1	Trimble	S7 Robotic	USA
	Digital Level	5	Trimble	DiNi 0.3	USA
	Digital Level	2	Leica	Sprinter 150	Switzerland
5	Echo Sounder	1	Knudson	320M	Scandinavian
	Echo Sounder	1	South	SDE28S	China
6	Soil augers and soil testing equipment	4	Eijkelpamp	SDE28S	Netherland
7	Non Nuclear Soil Density Meter	1	TBT	W210	China
8	Workstation Computers	4	Dell	Precision	USA
9	Plotter	2	Canon	TM5200	Japan

Item	Description	Number of Units	Brand	Model	Country of origin
Software					
1	Trimble Business Center	1	Trimble		USA
2	Autodesk Civil 3D	4	Autodesk		USA
3	ESRI ArcGIS	2	ESRI		USA
4	MS Office	4	Microsoft		USA
Vehicle Fleet					
1	4X4 Pickup truck	2	Mitsubishi	L200	Japan
2	4X4 Jeep	3	Mitsubishi	J44 (4DR5)	Japan
3	Van	2	Toyota	KDH	Japan
4	Aluminium Boat	1	Vessel		USA
5	Fiber Boat	1	NA		Sri Lanka

**Note - Above Vehicles are owned by the company and more vehicles will be accured on rental basis for project requirements.*



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