UTILITIES & WATERWAYS

EARTH SCIENCES & SURVEYING

The Global Force with a Personal Touch

EGS Terrestrial Services has over 20 years experience in providing solutions to our clients for a wide range of land survey, buried utility, drainage and waterway survey related problems. Combined with our knowledge of trenchless technologies and a complete range of non-destructive survey techniques, EGS is ideally experienced to help our clients meet the challenges of new build, maintenance, repair and asset management in both urban and rural environments.

EGS' depth of experience and professional approach is consistent throughout our work force, which includes Chartered surveyors, dedicated CAD operators, software developers and fully trained site surveyors and is fundamental to our ability to meet with all of our Clients needs and solving their problems.

EGS is a Corporate Member of the International Society for Trenchless Technology (ISTT) and a Corporate Company Member of the Hong Kong Institute of Utility Specialists (HKIUS). To meet the necessary health & safety requirements, EGS operates a strict training and compliance regime for all our field operations and complies with all local regulations and certifications.

The EGS Group

Australia, Hong Kong, Indonesia, Kazakhstan, Malaysia, Philippines, Singapore, United Arab Emirates, United Kingdom, United States, Vietnam

LAND GEOPHYSICS

TERRESTRIAL SERVICES

ASSET MANAGEMENT AND NON-DESTRUCTIVE TESTING

Asset management of existing utilities increasingly plays a vital role in the cost effective management of urban infrastructure. With over 15 years experience, EGS offers a full complement of Non-Destructive Testing (NDT) techniques and can offer our Client's accurate and concise Engineers evaluations of buried pipeline condition and life expectancy.

Techniques regularly employed include:

- Broadband Electromagnetic Residual
- Wall Thickness Measurements (BEM)
- Pipeline Current Mapping (PCM)
- Ultrasonic Residual Wall
- Thickness Measurements (UT)
- Stray Current Mapping (SCM)
- Linear Polarisation Resistivity (LPR)
- Accredited Soil Sampling Techniques

ASSET MANAGEMENT AND NON-DESTRUCTIVE TESTING

Flood prevention and management has become increasingly important as the urban environment expands. EGS has over 15 years experience in all facets of flow monitoring in sewers, drains and open channels, in discharge measurements in streams and rivers, in short term, long term and permanent studies. Dedicated to providing accurate data, EGS has consistently upgraded its equipment to offer the most reliable and accurate results attainable.

Whether undertaking monitoring to evaluate infiltration and ingress into a drainage system, or confirming the efficiency of a new hydraulic model, or measuring velocity profiles and creating accurate Velocity Index Ratings, EGS operates a diverse range of equipment suitable for all of our Client's requirements:

- Riversurveyor Mini ADP River Discharge Measurement systems
- Shallow Water Ultrasonic Doppler Flow, Level and Velocity meters
- Intrinsically Safe Flow Monitors
- Telemetry integrated Flow Monitoring units
- Ultrasonic Depth Measuring Devices and Water Level Data Loggers
- Rain Gauges
- Tide Gauges

GEOMATICS

Our Land Survey teams have operated in Asia for over 35 years. Offering assistance to our in house departments, EGS also contracts directly to Government Departments and private Clients alike.

EGS utilizes state of the art equipment for the following Land Survey disciplines:

- Topographic Surveys utilizing total station
- and Real Time Kinematic GPS
- Boundary Surveys
- Geodetic Surveys
- High Definition Laser Scanning

UTILITIES

To supplement the newer technologies, EGS has continued to retain expertise in the more fundamental utility survey disciplines. With safety our primary consideration and data accuracy our goal, EGS employs only professionally trained and suitably experienced personnel to undertake all surveys and is happy to offer assistance to Clients in the following traditional survey techniques:

- Closed Circuit Television (CCTV) Surveys and Man-Entry Surveys
- Sonar Surveys and Silt Level determination
- Manhole Internal Condition Surveys
- Utility Surveys and Pipe and Cable Locator surveys
- Ground Penetrating Radar (GPR) Surveys
- Water Leakage Detection Surveys
- Pipe Rehabilitation by Trenchless Techniques

In addition to data acquisition, EGS has a strong depth and background in data processing and interpretation. EGS' Terrestrial Department is in a unique position to offer tailor made software solutions to specific Client requirements. Indeed, having previously developed "EGSsurvey", EGS' Manhole and CCTV data capture, validation, reporting and management software in order to meet the requirements of a 3 year inspection contract for Drainage Services Department, Hong Kong. The software has since been successfully marketed and is currently the standard software used by the UtilityINFO (Training) Institute, UTI, during current Hong Kong Conduit Condition Evaluation courses.

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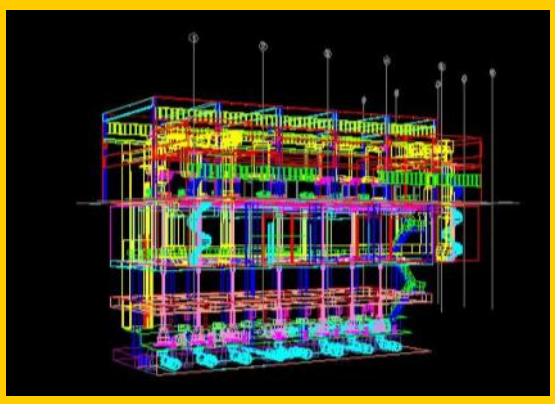

ISO 9001
DNV
REGISTERED FIRM

IMCA
Contractor Member
Offshore Survey Division
Asia-Pacific Section

The Global Force with a Personal Touch

Visit our website for more information:

www.egssurvey.com

EGS is present in the following countries:

Australia, Hong Kong, Indonesia, Kazakhstan, Malaysia, Philippines, Singapore, United Arab Emirates, United Kingdom, United States, Vietnam

Our offices throughout the World

Should you require any assistance on specific problems or seek possible solutions for technical issues affecting your assets, please feel free to contact us by email.

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