Submarine Cables

Project Title:
C2C FIBER OPTIC SUBMARINE CABLE SYSTEM
SHORE END CABLE INSTALLATION

Client: Bohlen & Doyen Submarine Cable & Pipeline GMBH & Co.

Location: Hong Kong & Taiwan

Description: Bohlen & Doyen Submarine Cable & Pipe GMBH & CO. KG contracted EGS to provide positioning and survey support for the shore end installation in Hong Kong and Taiwan.

The installation in Taiwan (Segment 2c and 3a) was conducted from DP vessel Pompei using a plough and the installation in Hong Kong (Segment 1, 2a, 7) was conducted from lay barge Smit Borneo using a 5m jetting sled. EGS was responsible for the vessel and underwater positioning, barge and tug management for anchor handling, logging and QC of cable burial data.

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TERRESTRIAL SERVICES

Submarine Cables

Project Title: DHIRAAGU SUBMARINE CABLE NETWORK (DSCN)

Client: NEC

Location: Sri Lanka—Maldives

Description: DSCN project links Sri Lanka to the Maldives and has additional domestic links in the Maldives between Hulhumale and Male, Male and Kaafu Villingili and Laamu Gan and Gaafu Dhaal Gadhoo.

EGS (Asia) Ltd was contracted by NEC to undertake a Cable Route Study, Cable Route Survey and Burial Assessment Survey. The inshore and land team dealt with challenging location logistics to complete terrestrial survey and route clearances onland.

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Submarine Cables

Project Title:
EAST AFRICAN SUBMARINE CABLE SYSTEM (EASSy) - ENVIRONMENTAL & SOCIAL IMPACT ASSESSMENT—PHASE 1 & 2

Client: Kfw Bank
IFC World Bank
African Development Bank

Location: East Coast of Africa
Sudan to South Africa

Description: The proposed EASSy submarine fibre optic cable system is designed to provide a data and communication link along the East African coast from South Africa to Sudan, with spurs to Mozambique, Madagascar, Tanzania, Kenya, Somalia and Djibouti. Financing the project is in part carried out by Development Financial Institutions (DFI and IFC) with clearly identified Environmental Policy procedures and guidelines, requiring close attention to any environmental and social impacts during installation, maintenance and decommissioning.

EGS was contracted by the Kfw Bank as main contractor, and IFC, World Bank and the African Development Bank as secondary contractors, to obtain the relevant Environmental and Social data related to the project, visits the environmentally sensitive sites, and meet and audit the affected communities and stakeholders, in order to achieve the Regional Environmental and Social Impact Assessment of the system and determine the steps necessary to mitigate any negative effects, offshore, inshore and at the landing points of this approximately 9,000km submarine telecommunication cable system in Eastern Africa.

EGS also outlined, in Phase 2 of the project, the Environmental Management Plan (ESMP) and its proposed future implementation. The effective ESMP should result in the EASSy submarine cable project having a minimal short term negative impact and zero long term negative impact on the environment.

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Submarine Cables

Project Title:
FLAG FALCON SUBMARINE
FIBER OPTIC CABLE SYSTEM

Client: Reliance Communications

Location: Sudan—Iran
India—Maldives

Description: FALCON is a submarine telecommunications cable connecting India and several countries in the Persian Gulf. The cable is operated by India’s Flag Telecom, a fully-owned subsidiary of Reliance Communications.

EGS (Asia) Ltd was contracted by Alcatel-Lucent to undertake a Cable Route Study, Cable Route Survey and Burial Assessment Survey. BAS assessed on side scan sonar and MBES swathe bathymetry results calibrated against piston and vibro-core seabed sampling and MCPT’s along the route, allowing recommendations for type of trenching tool and ploughability.

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Submarine Cables

Project Title:
CABLE ROUTE CROSSING
GEOTECHNICAL AND BATHYMETRIC SURVEY

Client: Confidential

Location: Irish Sea

Description: EGS International UK completed a comprehensive marine geotechnical and bathymetric survey for a private Developer in the Irish Sea during 2008. The survey work was designed to acquire critical seabed geotechnical data for trenching design as well as conventional hydrographic data. ILV vessel “Sea Lion” was the platform used for the geotechnical investigation which included EGS Vibrocorer equipment and subcontracted 10T seabed CPT equipment. Penetrations of up to 3m were achieved.

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Submarine Cables

Project Title:
MIDDLE EAST AND NORTH AFRICA SUBMARINE CABLE (MENA)

Client: Tyco Telecommunications

Location: Egypt—Saudi Arabia—Oman

Description: EGS (Asia) Ltd was contracted by Tyco Telecommunications to undertake the Cable Route Feasibility Study, Site surveys and Cable Route Survey, as well as Burial Assessment Survey of the system. This included detailed survey of the shore landing area and trench route location onland, which was carried out successfully by our EGSi team.

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Submarine Cables

Project Title:
PIPE PACIFIC Cable-1 (PPC1) SUBMARINE FIBER OPTIC CABLE NETWORK

Client: Tyco Telecommunications

Location: Australia—PNG—Guam

Description: The system will link Collaroy beach in Australia to Madang in PNG and Tata Piti in Guam. PPC-1 is the first “new” cable to land in PNG since the 1960’s. EGS (Asia) Ltd was contracted by Tyco Telecommunications to undertake a detailed Cable Route Study, Cable Route Survey and Burial Assessment Survey of the 6,900km long system.

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Submarine Cables

**Project Title:**
SEACOM FIBER OPTIC CABLE SYSTEM

**Client:**
Tyco Telecommunications

**Location:**
Egypt-Djibouti

**Description:**
SEACOM provides high capacity bandwidth linking business and communities in Southern and East Africa, Europe and South Asia. EGS (Asia) Ltd was contracted by Tyco Telecommunications to undertake a Cable Route Study, Cable Route Survey and Burial Assessment Survey for the segment between Suez and Djibouti.

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Submarine Cables

Project Title:
TRANS-PACIFIC EXPRESS (TPE) FIBER OPTIC CABLE SYSTEM

Client: Tyco Telecommunications

Location: USA to China via South Korea and Taiwan

Description: TPE or Trans-Pacific Express is a submarine telecommunications cable linking China, South Korea, Taiwan, and USA. It will be the first next-generation undersea optical cable system directly linking the U.S. and China. It is also the first major undersea system to land on the U.S. West Coast in more than seven years.

EGS (Asia) Ltd was contracted by Tyco Telecommunications to undertake the Met-ocean Cable Route Feasibility Study (DTS) for prior cable route engineering, the Cable Route Survey and Burial Assessment Survey of the 17,700km system.

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