

## COMPANY PROFILE

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Hydro Projects is based in Norwich UK. It is an independent consultancy, formed in 1985 to provide positioning and geophysical quality control and supervisory services to the offshore hydrocarbon exploration, development and production industries. The initial business was founded on providing knowledgeable and reliable consulting geophysicists and hydrographic surveyors to support clients in operating marine seismic, survey, engineering and construction projects.

The initial core business continues to this day but in the 25 years since its inception the company has grown considerably. Most notably it has achieved BS EN ISO 9001:2001 registration and then more recently BS EN ISO 9001:2008, expanded its geographical coverage and embraced a broader range of technical specialisation. Software development and support, vessel safety management, project HSE management, personnel services, quality assurance system implementations and QC and environmental investigations have been successfully added to our core activities forming an attractive suite of complimentary support services. In addition to this, Hydro Projects has added recruitment to its capabilities, with the introduction of a recruitment specialist in September 2008. This extra discipline deals with the permanent placement of staff into the Oil & Gas industry through a search and selection process.

In expanding our outlook we have been careful to remain faithful to a policy of only undertaking projects in which we have strong capabilities, with the goal of continuously enhancing our customers' confidence in our ability to deliver their requirements.

Whether we are developing technical specifications, defining procedures, establishing survey requirements, preparing bid packages, analysing tenders or acting as offshore representatives, we are sufficiently well versed in current best practice so that our customers can be assured of exemplary individual and team performance.

Our continuing Professional Development Programme ensures that our people are not only kept abreast of the latest technical innovations, but also industry expectations in terms of responsibilities, communication, supervision and direction which are fundamental to cost-effective, safe and purposeful achievement.

Understanding the needs of our industry, we have developed our in-house support activities and related services in areas where our customers have identified that Hydro Projects' expertise can give them a clear advantage in dependability, reliability, on-time delivery and superior cost performance.

Hydro Projects has long-established affiliations with various overseas companies to facilitate the provision of worldwide services. Operations are truly international with diverse requirements taking our people from European Waters to the North West Shelf of Australia and from the Arctic Circle to Argentina.

Current service contracts are held with a variety of major companies and we will continue to provide professional services to an expanding client base across the globe wherever our quality and safety objectives can be satisfied. Clients worked for over recent years include: Agip KCO, PGS, ExxonMobil, ConocoPhillips, BP, Shell, Total, BHP, Hess, Burren Energy, Petro-Canada and Sonardyne along with all of the associated contracting companies worldwide.

Key competencies are further explained in the following summaries:

### **GEOPHYSICAL & POSITIONING SPECIALISTS FOR SEISMIC, SURVEY & CONSTRUCTION PROJECT MANAGEMENT; OFFSHORE SUPERVISION & QUALITY CONTROL**

One of our core businesses continues to be the supply of personnel, principally Geophysicists and Hydrographic Surveyors, with the skills and specialisation to complement and enhance the capabilities of clients project teams engaged in the planning and operation of seismic, survey and offshore construction projects for petroleum exploration, development and production activities.

The level of experience of our people and their multi-disciplinary backgrounds, enable us to cater for wide ranging needs from the assembling of full project management teams to providing key QC individuals, fitted to clients' ways of working, on either long or short term assignments. With outsourcing becoming an increasingly common industry phenomenon, we are often called upon to assist with survey design and planning through contractor selection, supervision and QC of field operations and interpretation to presentation of final results. We have worked on a wide variety of projects including:

- **2D, 3D, 4D & 4C Seismic Surveys**
- **Well and Platform Site Surveys and Debris Surveys**
- **Rig Positioning, Jacket and Template Installations**
- **Pipeline and Cable Route Surveys**
- **Pipe/Cable Lay, Trenching, Back-filling and Rock Dumping**

- **ROV/ROTV Inspections**
- **Geotechnical and Mineral Exploration Programmes**
- **Field Development and Construction**
- **Sub Sea Development, acoustic systems**
- **FPSO acoustic and DGPS control systems**

Our project teams and individual consultants are provided with the latest available software and are trained in its use, regardless of whether we, or another reputable software development house, have produced it.

### **SOFTWARE DEVELOPMENT, SUPPLY / SUPPORT & TRAINING**

To meet our in-house requirements and those of related industry specialists we have developed, and currently supply, a range of fully supported software packages running in the Microsoft Windows operating environment:

- **Quality Control of all critical aspects of Seismic and Acoustic data acquisition**
- **Positioning verification and well path direction / trajectory geodetic solutions (WellDev™)**
- **Geodetic conversion tool, providing full support for EPSG database (GeoCalc™)**
- **Project management databases and analysis tools**
- **A strategic alliance between Hydro Projects and Sonardyne has also enabled the production of a software package developed to monitor, time tag and log raw data received from a vessel's surface navigation system, to control acoustic set up and positioning operations (HydroPos™)**

With our skills lying not only in programming, but also in the methodologies of modern data analysis and interpretation within our industry sector, we enjoy a considerable reputation for the on-time delivery of client tailored systems.

Typically, we will be the preferred developer where there is a key requirement for a navigation / positioning element or where an in-depth understanding of offshore exploration or construction techniques will be crucial in ensuring project success, for example, in the design, development and installation of:

- **Passage Planning software for use within the Pilotage area of major ports (PassagePlan™)**
- **Position Monitoring and Alarm Systems for floating storage vessels**
- **QC and Flotation Management Software for specialist pipelay applications**
- **Tug and Barge Management Systems with full telemetry control**

### **ENVIRONMENTAL SURVEYS & CONSULTANCY**

Our specialities have always been in the fields of Geophysics and Hydrographic Surveying but in recent years we have often been contracted for environmental surveys and have seen our general activities steadily becoming more environmentally orientated.

Through coupling our resources with those of a renowned body of scientific expertise, we can undertake projects ranging up to turnkey contracting packages.

Linking our contracting skills, technical specialisations and industry "know-how" with a broad-based research establishment enables us to provide a world class service in baseline surveys and progressive monitoring, impact assessments, incident modelling and risk evaluation, control strategy development and related matters.

In an area where commercial considerations can never be wholly secondary, clients can be assured that the quality of knowledge, advice and guidance they require will be provided within agreed budgets and time scales.

### **SAFETY MANAGEMENT, TRAINING & AUDIT**

With the Offshore Industry's increasing focus on safety, a systems development and auditing service was introduced in 1990 to cover the following service areas:

- **Vessel, Barge and Rig Safety Audits at sea and in port**
- **Auditing of Safety Procedures up to IMCA requirements**
- **Development of Company Safety Management Systems**
- **Safety Training**
- **COSSH Regulations Risk Assessment**

Vessel audits and safety training services are continually in demand including a recent increase in requests for IMCA vessel audits.

### **SEISMIC PLANNING, ACQUISITION, PROCESSING & INTERPRETATION**

Hydro Projects Seismic track record began with the foundation of the Company in 1985. Then as now, the provision of Seismic QC services from initial planning and contractor bid evaluation through to data interpretation, forms an integral part of Hydro Projects' business.

Hydro Projects has provided seismic survey planning and project management consultants, as well as acquisition, processing and navigation QC personnel to a variety of Oil Companies and Seismic Contractor clients worldwide.

Hydro Projects consultants are familiar with contractors' acquisition systems as well as the complex acquisition methods currently in use. Likewise, personnel are conversant with leading onboard processing systems. Onboard navigation QC and seismic processing QC can also be undertaken using a variety of third party packages or in-house software.

### **AREA OF OPERATION**

Hydro Projects Group Ltd. is a global company with its head office in Norwich, UK. The company has provided services to clients all around the world under more than two hundred and fifty contracts.

For further information please contact the following personnel:

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