

ANDREWS

SURVEY



Offshore Survey Contractors
Worldwide

Company Profile

Andrews Survey has been a leading provider of survey and positioning services to the international offshore industry for over 30 years and during this time has progressively increased its capabilities and expertise. The Company is predominantly active in Construction Support, Trenching Support, ROV Pipeline Inspection Support, Rig Positioning & Renewable energy/wind-farm Installation Support.

The Company's role has traditionally been in supporting main contractors who do not have an in-house survey department. The client can, therefore, focus on their core business and investment.

Our skilled personnel and innovative technology allow us to provide a responsive, flexible and high quality service for all types of offshore survey operations.

Over the past 30 years Andrews Survey has successfully provided international survey services in the following sectors:

- Oil & Gas Industry
- Offshore Renewable Energy
- Marine Telecommunications

Our Aim

The company is committed to developing its capabilities, increasing its resources and providing clients with an efficient, cost effective, responsive and reliable service.

A strong emphasis is placed on working closely together with clients, from project planning, through to production of final deliverables.

Our aim is to be the best provider of offshore survey services.

CONSTRUCTION SUPPORT



Courtesy of CTC Marine Projects

Andrews Survey is a leading supplier of survey support services to the international offshore construction industry.

Our Construction support services include:

- Pipe Lay
- Cable Lay
- Trenching & Backfilling
- Structure Installation
- Acoustic Metrology
- PLIB & PLGR/RCO

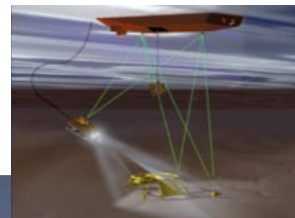
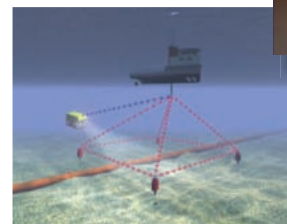
Our success in this service is due to our ability to provide innovative technological solutions, highly skilled offshore personnel and an experienced onshore management team.

Adherence to QA procedures, developed over 30 years, ensures that offshore personnel are appropriately briefed and prepared and that positioning systems are set up to provide optimum performance, accuracy and reliability.

Andrews Survey has an extensive proven track record in Construction survey services, which includes more than 1,500 vessel days providing Trenching support.

Andrews Survey provides:

- Survey input to client's commercial proposals
- Rapid response and fast turnarounds for worldwide deployment
- 24 hour technical and operational support
- High specification hardware
- Flexible packages to suit client needs
- EIVA NaviPac – Industry proven online software
- Visual Works – Advanced acquisition & offline software
- Proven quality assurance procedures
- Highly experienced Project Management & offshore personnel
- Cost-effective positioning methods
- LBL & USBL acoustic positioning techniques
- Final charting and reporting



Courtesy of Sonardyne

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RIG POSITIONING

Andrews Survey has provided Rig positioning services, complete with integrated tug management systems, for over 10 years to an extensive list of worldwide operators.

Andrews Survey provides highly experienced personnel, uses industry-proven software and offers the most cost-efficient positioning solutions.

Adherence to QA procedures, developed over 30 years, ensures that offshore personnel are appropriately briefed and prepared and that positioning systems are set-up to provide optimum performance, accuracy and reliability.

Whether moving a semi-submersible to a deep water location or a jack-up to the face of a platform, Andrews Survey can provide a cost-effective solution to your Rig positioning needs, worldwide.



Andrews Survey provides:

- Survey input to client's commercial proposals
- Rapid response and fast turnarounds for worldwide deployment
- 24 hour technical and operational support
- High specification hardware
- Flexible packages to suit client needs
- Integrated anchor and tug tracking
- EIVA NaviPac – Industry proven software
- Deep water acoustic positioning capabilities
- Proven quality assurance procedures
- Highly experienced Project Management & offshore personnel
- Cost-effective positioning methods
- LBL & USBL acoustic positioning techniques

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VSP SOURCE POSITIONING

With over 30 years of experience and thousands of successfully completed VSP projects, Andrews Survey is the first choice survey contractor for borehole seismic companies.

During this time we have worked closely with such Seismic companies as Schlumberger, Baker Atlas and Read to provide in-house flexible solutions to vertical incident, static offset, walkaway and spiral surveys.

To meet the challenging demands of VSP work Andrews Survey provides highly experienced personnel, uses industry-proven software and offers the most cost-efficient positioning solutions.

Adherence to QA procedures, developed over 30 years, ensures that offshore personnel are appropriately briefed and prepared and that positioning systems are set-up to provide optimum performance, accuracy and reliability.



Andrews Survey provides:

- The most experienced VSP survey support company in the world
- Rapid response and fast turnarounds for worldwide deployment
- Survey input to client's commercial proposals
- 24 hour technical and operational support
- Flexible packages to suit client needs
- In-house developed high specification hardware
- Proven quality assurance procedures
- Highly experienced Project Management & offshore personnel
- Cost-effective positioning methods

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RENEWABLE ENERGY

Renewable Energy and Wind-farm installation survey support is a recent addition to our expanding list of services.



Between July and December 2003, Andrews Survey provided survey support to Mayflower Energy during their installation of 30 offshore wind-turbines at North Hoyle, Wales. We implemented an RTK solution to meet the required positioning tolerances. With telemetry installed, all vessels' movements were displayed on each vessels' navigation screens enabling good clear communication during operations.

Andrews Survey has been involved with wind-farm installation survey support for MPI onboard their flagship turbine installation vessel "MV Resolution". This has so far entailed work in the Kentish Flats during 2004 and the Barrow offshore wind-farm in 2005.

Andrews Survey also provided MPI with survey support during pile positioning and the laying and trenching of the export and infield cables.

Andrews Survey provides:

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- Rapid response and fast turnarounds for worldwide deployment
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- High specification hardware
- Flexible packages to suit client needs
- EIVA NaviPac – Industry proven software
- Proven quality assurance procedures
- Highly experienced Project Management & offshore personnel
- Cost-effective positioning methods
- LBL & USBL acoustic positioning techniques
- Final charting and reporting



Courtesy of MPI



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ROV INSPECTION SUPPORT



Andrews Survey is a leading survey provider to the ROV inspection market, with the ability to maintain long-term close client relationships.

Adherence to QA procedures, developed over 30 years, ensures that offshore personnel are appropriately briefed and prepared and that positioning systems are set-up to provide optimum performance, accuracy and reliability.

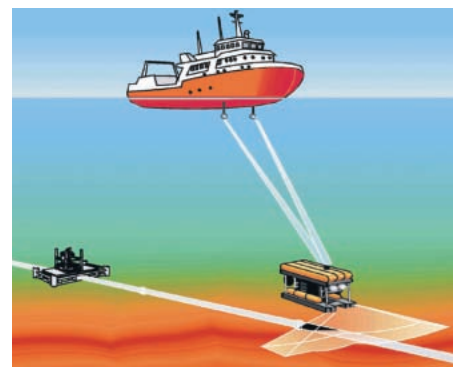
Andrews Survey has had a continuous 7 year involvement with a leading ROV contractor, where we have provided survey data acquisition, processing and reporting services throughout their annual pipeline and structural inspection campaigns.

Using Andrews Survey software suite of EIVA & VisualSoft packages, the positional and ROV mounted sensor data is acquired, integrated and processed. This data is then merged with the events information to provide fully comprehensive data for presentation along with the digital video in a fully integrated digital deliverable.

The advanced online acquisition package allows real-time automated processing of cross profiles and track position. As well as providing a faster service, this also gives our offshore processing staff more time to concentrate on the important stage of data QC.

Andrews Survey provides:

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- High specification hardware
- Flexible packages to suit client needs
- EIVA NaviPac – Industry proven online software
- Visual Works – Advanced acquisition & offline software
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- Cost-effective positioning methods
- LBL & USBL acoustic positioning techniques
- Final charting and reporting



Courtesy of Kongsberg

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