

Company History

EMIS is the trading name of Electrical Mechanical Instrument Services (UK) Limited, a service company whose core business is described as: Calibration, Repair and Management of Test and Process Instrumentation.

The company was formed in 1992 as a result of a management buyout by several of the current managers from the original parent company. The directors are shareholders and also form the core of the management team.

The calibration centre is based in Glasgow with offices in Aberdeen, Livingston and Middlesbrough and two joint venture companies in Qatar and Abu Dhabi. A distribution network throughout the UK exists. The laboratory holds accreditation from UKAS (United Kingdom Accreditation Service), ISO 9001: 2000 and is also recognised as an Investor in People.

The extent of the UKAS accreditation is as follows:



- Electrical Calibration - dc & lf rf & microwave
- Pressure Calibration (air, hydraulic and differential)
- Temperature Calibration
- Acoustic Calibration (including site)

A physical capability consisting of dimensional and torque is also in place. A repair facility is operated in support of the calibration services, and a development of this has manifested itself in the form of Equipment Management.



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Group



INVESTOR IN PEOPLE



Accreditations held by EMIS

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Also at:
Aberdeen, Livingston, Middlesbrough, Qatar and Abu Dhabi

Case detail:

This application study deals with the innovative response EMIS provided to Amerada Hess when faced with the task of ensuring that all test equipment on the asset was regularly calibrated in an economic basis.

This type of exercise is now common place within the EMIS customer base as many clients look to maximise the utilisation of their assets while remaining compliant with QA and health & safety legislation.

**For more information call:
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Instrument Calibration, Repair and Management

Application Study

Prepared

by EMIS

Project:

**Offshore Calibration
of Test Equipment**



Amerada Hess

Scott Asset

The Calibration and Management Specialists



EMIS provide both site and offsite calibration of test equipment as well as database management.

Customer benefits include:

- Satisfying both QA and HSE requirements
- Maximisation of assets
- Cost Savings as the cost of the exercise is less than bringing all equipment onshore
- Only one transaction cost
- No need for hire or replacement

The Initial Idea

Calibration of test equipment offshore was an innovation in response to a client/contractor initiative whereby simple ideas were developed to provide better utilisation of test equipment, traditionally absent from site for almost six (6) weeks to enable calibration to be carried out onshore.

EMIS created a series of transfer standards to ensure the satisfactory calibration of the range of test equipment held on the asset. The scope includes all the electrical hand held equipment and the standards used in the instrument workshop. The original idea has subsequently led to an understanding that this is the most efficient way to calibrate equipment permanently stationed on a production platform.

The Cost Process

The starting point for assessing the economics of the exercise is the generation of a schedule of test equipment. This is normally completed by the client although EMIS have occasionally been commissioned to complete this. Once the schedule is presented, EMIS carry out a review with the following issues assessed:

- That equipment on the list is within the capabilities of EMIS
- A costing review analysing the offshore versus the onshore cost

The information is then presented to the client enabling a full evaluation of the offer in terms of the test equipment needs. Thereafter, if acceptable, to decide on a suitable production window.

The Scott Asset

After an evaluation by the onshore support team as part of a maintenance strategy review the decision was reached to change the calibration methodology. The platform test equipment was to be calibrated offshore as opposed to the traditional method of transportation onshore.

This exercise has now been repeated several times on an annual basis and fully satisfies all health & safety and QA requirements. The asset now has full utilisation of their test equipment with no need for short term hire or replacement equipment. Costs are also lower in that the price for the exercise is less than the overall cost of sending all of the equipment onshore. Only one transaction cost minimises administration.

The Future

Is this the way that calibration will always be carried out? It certainly seems that there is a desire to have calibration of test equipment carried out at the client premises and this applies both offshore and onshore. EMIS have a team of technicians, fully certified, capable of calibrating test equipment, generating and signing calibration certification and thereafter providing a full activity report.

EMIS have travelled throughout the world calibrating test equipment from the Middle to the Far East and throughout the North Sea. Investment in multifunction calibration equipment ensures a wide range of equipment can be calibrated, facilitating the production of calibration certificates at the site itself.



Customers include:

BP, Kerr McGee,
Talisman Energy, Shell,
TFE/K, British Gas

For additional information contact the following:

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