

INNOVATUM

INTERNATIONAL Ltd.

CABLE & PIPELINE MAGNETISER SYSTEM

Locating and tracking buried submarine power cables, flexible flowlines and special steel pipelines has been difficult until now, and proving a depth of burial was major problem area. The best tracking systems were unable to produce data at better than 1.5 metre range from the sensing unit.

INNOVATUM now presents it's latest magnetisation system, enabling passive tracking of power cables flexible flowlines, umbilicals and small diameter pipes at realistic ranges.

Using a specially designed magnetiser tool, (shown in use at right), the magnetisation of the armour, strength members or the pipeline wall is significantly increased prior to product lay. This magnetisation may be carried out during manufacture, at cable loading to the lay vessel, or during the laying operation. The enhanced magnetisation is permanent, and the product can thus easily be located many years later. The increased magnetisation has no harmful effect on the product.



Magnetising Large Power Cable during lay

Using an **INNOVATUM SMARTRAK** or **ULTRA** tracking system in passive mode, the magnetisation signal is sufficiently large to enable very high accuracy of tracking in both the horizontal and vertical planes. Since the magnetisation is controlled, all of the product has a similar signal, giving steady repeatable data. Tests have proved detection ranges up to 10 metres with an 11 inch outside diameter product (shown left), with a measured accuracy of 12 cm or better at 2.65 metres range, measured to the centre of the product.



Magnetising Flexible Flowline

This system at last allows power cables, flexible flowlines and special steel pipelines, buried to depths of more than 1 metre, to have their depth of burial protection accurately monitored at any time. The tracking performance is unaffected by fluids or gases within the pipeline.

Use **INNOVATUM** to locate and track buried cables flexibles, pipelines, using all known methods - Passive Magnetic, Active AC (Tone), and Active DC. Only **INNOVATUM** can offer all methods simultaneously with one system.

magnet2.pub july 07

INNOVATUM

 INTERNATIONAL Ltd.

Units 11&12, Woodside Business Park, Ingham Bury St. Edmunds, Suffolk IP31 1NR ENGLAND UK
T: +44 (0) 1284 729 123 F: +44 (0) 1284 729 133 W: www.innovatum.co.uk E: sales@innovatum.co.uk

INNOVATUM

MAGNETISER SYSTEM

MAGNETISER PRICES

Effective 31 July 2007

1. SMALL DIAMETER CABLE MAGNETISER

0 to 1000 kilometres	GB£ 40.00 per kilometre
1001 to 10,000 kilometres	GB£ 20.00 per kilometre
10,001 to 100,000 kilometres	GB£ 10.00 per kilometre
100,000 kilometres +	Call for quote
Plus	
a) Onshore use	GB£ 100.00 per day
b) Offshore use	GB£ 170.00 per day

2. LARGE DIAMETER CABLE, FLEXIBLE FLOWLINE & PIPE MAGNETISER

a) Onshore use	GB£ 100.00 per day
Plus	GB£ 50.00 per kilometre
b) Offshore use	GB£ 170.00 per day
Plus	GB£ 50.00 per kilometre

3. ENGINEER FOR INSTALLATION & OPERATION

Per man per day	GB£ 445.00
-----------------	------------

All days rates are charged strictly on a "Door to door" basis.
Tracking systems are available for lease or purchase.
Magnetisers are currently available for lease only.
All expenses recharged at documented cost plus 10%
Innovatum International Ltd standard terms and conditions apply

INNOVATUM *INTERNATIONAL Ltd.*

Units 11&12, Woodside Business Park, Ingham Bury St. Edmunds, Suffolk IP31 1NR ENGLAND UK
T: +44 (0) 1284 729 123 F: +44 (0) 1284 729 133 W: www.innovatum.co.uk E: sales@innovatum.co.uk