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TELEDYNE TSS NEWS UPDATE

Welcome!

Welcome to our first edition of the Teledyne TSS New Update providing you with updates on new product developments, customer services, and other relevant company information on a regular basis.

It is hard to believe that we have already celebrated the 1st anniversary of our move move to a new custom-built facility in Croxley Green Business Park, Watford, UK. Although only three miles from our old 1960s factory in Watford, UK, the Croxley Green Business Park is a world away in both working environment and ecological impact. The new facility is surrounded by lawns and ornamental lakes in a 75-acre park that even has its own nature reserve. The Park has been designed to provide a pleasant and comfortable working environment for the employees of the 50 high technology companies currently based there.

Teledyne TSS management believes that the new factory has also had a major impact upon its staff well-being and the productivity for its range of motion sensors, gyro compasses, inertial navigation systems and pipe and cable trackers. Customers and service support will also benefit from a 20% increase in manufacturing space and on-site target scaling testing will boost productivity.

TELEDYNE TSS OPENS NEW TRACKER CALIBRATION FACILITY

Teledyne TSS customers can now benefit from a new facility that enables their TSS 440 pipe and cable trackers to be precisely calibrated for specific targets. Samples of pipe or cable provided by the customer can now be analysed in the new facility so that an error matrix can be created for installation in the user's own TSS 440. This makes it possible for burial depths of a particular pipe or cable to be measured to an accuracy of five centimetres or five per cent of range so that compliance with installation contracts can be verified.

The new Teledyne TSS facility is located at our head quarters in Watford. It is believed to be unique in the world as it creates laboratory standard conditions in which tests may be conducted on samples up to 5-metres long and weighing up to 2-tonnes. Previous TSS test facilities have been set-up in more remote locations but testing a single sample can take up to a day and the new installation is more convenient for customers and for any back-up workshop or laboratory support that may be required.

The new installation is a seemingly simple facility that consists of a truck on rails that is used for carrying the sample of cable or pipe. Varying heights and positions of the TSS 440 are achieved through its deployment above the sample on a specially adapted fork-lift. Fifty square metres of land originally designated for car parking was re-assigned for the new facility but construction of the test area could not begin until it had been thoroughly examined for any buried metal that might affect sensor results. Everything needed for the facility was manufactured in glass reinforced plastic by UK specialists more used to producing intrinsically safe stairs and walkways for offshore and industrial applications.

The facility ensures the highest possible accuracy when analysing the characteristics of different targets. These can vary significantly according to their size, shape and composition so Teledyne TSS customers have invariably sought to obtain precise data on the response that each will generate with a TSS 440 pipe and cable tracker. This can have a significant commercial impact as an error in burial depth might result in a requirement for costly rock dumping to ensure compliance with contract specifications.

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Teledyne TSS Celebrates 100 Years of Gyrocompass Expertise

The old— SGB 1000S

Teledyne TSS Ltd is one of the world's leading gyrocompass manufacturers – in 2010 it celebrates 100 years of design and manufacture in this specialised field. Its current product range includes the highly successful Meridian range of gyrocompasses in addition to the latest SGB2000 solid state range.

The SGB 2000 uses the latest solid state technology and has been specifically developed to meet the needs of users whose working environment is too demanding for conventional mechanical gyros. It has been developed for any applications needing a rugged dependable and accurate primary heading source whilst operating in extreme sea conditions as with high speed craft or for subsea applications. SGB 2000 offers a MTBF (Mean Time between Failures) in excess of 300,000 hours.

The extremely accurate and stable heading provided by the SGB 2000 can be maintained during turns of up to 200 deg per second. This makes the system ideal for use on fast survey craft and in inshore environments. The new gyrocompass is also available in both surface and subsea housings rated to 3000 metres water depth.

The surface variant of the SGB 2000, soon to be available with IMO Wheelmark and HSC (High Speed Craft) certification, has a flexible interface allowing easy connectivity to existing ships' systems. A comprehensive range of repeaters is also available.

The new—SGB2000

Company and Technical information

Visit our website and FTP for detailed product information:

http://teledyne-tss.com

http://teledyne-tss.com/ftp

On the FTP site you can find all the latest technical information, such as manuals, product data sheets, service updates and export compliance information.

If you feel there is anything we can add to the FTP site that would be of use, please contact us:

NEW PRODUCT LAUNCH—DMS-500 RANGE

If you are visiting the Ocean Business Exhibition in Southampton (5-7 April) or US Hydro in Tampa (26-28 April) you will be one of the first to inspect a new addition to the company's extensive range of motion sensors. The new DMS-500RP will feature the latest innovations from experienced Engineering Team. The new instrument will be of particular interest to operators of vessels equipped with dynamic positioning (DP) systems as it has been developed specifically to meet their needs for accurate roll and pitch data, while also remaining capable of a variety of other motion sensing tasks.

The DMS-500 range will continue to develop over coming months and more information will be published here and on our website.

Teledyne TSS will be exhibiting alongside other companies in the Teledyne Marine group which, together, will demonstrate the innovative products and advanced engineering available for customers in the full spectrum of ocean industries.

Look out for our next newsletter in May 2011...