Sherborne Sensors

IMPACT REPORT

MICROTUNNELING

THE NEED

Microtunneling is an underground construction technique used to construct utility tunnels from approximately 500mm to 4,000mm in diameter. Since these tunnels have such a small diameter, it is not possible to have an operator driving the machine, so the tunneling machines need to be remotely operated from an operation panel within a purpose-built control room at ground level.

THE CHALLENGE

The guidance system of the microtunneling machine requires very precise inputs of its position and heading.

The sensors used for this have to be suitable for operating in harsh environments.

THE SOLUTION

Sherborne Sensors model T435 inclinometer is specially designed for operation in harsh environments.

The 4-20mA output signal, proportional to the size of the angle of tilt, is designed for electrically noisy environments, or where inclinometer signals must travel over a long distance. With three inclinometers, the direction of the microtunneling machine can be precisely measured.

ABOUT US

Sherborne Sensors is an established, innovative company based in 'Transducer Valley' in Hampshire, UK with a strong global customer base.

Our core operations focus on the design and manufacture of precision Accelerometers, Inclinometers, and Load Cells.

Our products enjoy unsurpassed industry standing for ultra-reliability and long-life precision in critical industrial applications.

LEARN MORE

WWW.SHERBORNESENSORS.COM

Headquarters
1 Ringway Centre, Edison Road, Basingstoke, Hampshire,
United Kingdom RG21 6YH
Tel: +44 (0) 1256 630 300
Fax: +44 (0) 870 444 0729
Email: sales@sherbornesensors.com

USA & Canada
PO Box 1092, Lynnfield, MA, USA 01940-9992
Tel: +1 (877) 486 1766
Fax: +1 (770) 465 7447
Email: sales@sherbornesensors.com