

# Lockwood Beck, Woodsmith Project, North Yorkshire



Located in Whitby, North Yorkshire, Woodsmith Mine is set to be the UK's deepest mine, and will see large quantities of polyhalite mined for global distribution.

In 2017, Bauer Technologies was appointed to install three wall shafts, with diameters between 8m and 35m, as part of the project. Having worked with the client - Anglo American (formerly Sirius Minerals) during this stage of the project, Bauer Technologies was pleased to be contacted again to undertake further work on the project.

As part of the ongoing mine development, Bauer was appointed by tunnelling contractor, STRABAG International, to install a secant piled shaft, together with the bearing/tension piles required for the overground shaft equipment.

Bauer's scope of works was carried out over two separate visits, between October 2020 and January 2021. The first saw Bauer install the secant piled shaft: 30nr x 900mm bored piles were installed to 25m deep through mudstones, to form a new access shaft to the material transport tunnel.

The second visit saw Bauer install of 8nr 880mm dia bored piles, to 21m, for overground shaft equipment. One of these had to be installed on a 12° rake, which was a first for Bauer Technologies! Despite never having worked in this way before, Bauer Technologies completed on time and to specification, to the complete satisfaction of all concerned.

**Client:**

Anglo American

**Principal Contractor:**

STRABAG International

**Piling Contractor:**

BAUER Technologies Limited

**Contract Period:**

October 2020 (one week)

January 2021 (one week)

**Equipment Used:**

- BG30 Premier Line

**Scope of Works:**

- Installation of 30nr x 900mm bored piles to form new access shaft to material transport tunnel (visit one)

- Installation 8nr 880mm dia bored piles for overground shaft equipment (visit two)

BAUER Technologies Limited

10 Ducketts Wharf • South Street • Bishops Stortford • CM23 3AR • United Kingdom • Tel: +44 (0)1279 653108 • Email: info@bauertech.co.uk  
www.bauertech.co.uk

10/2022