

80kWh Foldable Container Used in UK Tunnels





Overview

These containerised hybrid power units addressed a requirement from EuroTunnel to provide a robust power source for their service teams working in isolated tunnel areas. What technology is used to build a tunnel in the UK?

Tunnel construction methodology - The UK has seen a gradual increase in the adoption of technology at construction stage, though is generally seen as slower to adopt emerging technology than East Asia, such as the use of robotics in tunnelling, tunnelling from ground surface, and AI driven TBMs.

What is the global output for tunnels & underground space?

The global output for tunnels and underground space in 2019 was £110bn, and its growth is twice as high as other global construction sectors. The UK 's share of this was an output of £843M, with £3.1bn worth of work in the pipeline [footnote 5].

How can tunnels be reused?

Multi-utility tunnels in new developments and upgrades where possible. Utilisation of transport and energy tunnels for other uses such as utility infrastructure. Reusing tunnels and tunnelling equipment - Reuse of tunnels, including by extending their service life, and by utilising abandoned tunnels for similar or new uses.

How much money does the UK spend on tunnelling?

The UK 's share of this was an output of £843M, with £3.1bn worth of work in the pipeline [footnote 5]. Advances in tunnelling technology are crucial to enabling this growth, and new innovations will need to be adopted and matured to match this demand.



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