T-pylon – an innovative new design for Somerset

The Hinkley Connection Project will connect low carbon energy to UK homes and businesses and increase capacity on our network for more green energy from the south west.

The new connection will be 57 km long - made up of 48.5 km of overhead line and 8.5 km of underground cable through the Mendip Hills Area of Outstanding Natural Beauty (AONB).

We're using T-pylons for most of the overhead line sections.

This is an exciting time for the industry. We're introducing the first new design for pylons in this country for almost a century.

What is a T-pylon?

The T-pylons is an exciting new design for overhead lines. It has a single pole and T-shaped cross arms which hold the wires in a diamond 'earring' shape.

It is around 35 metres high; about a third shorter than traditional 400,000 volt steel lattice pylons.

It also has a smaller footprint and will use less land.

We are using this new design as a result of consultation feedback.

How was the design selected?

The T-pylon was selected from over 250 ideas put forward in an international competition organised by the Royal Institute of British Architects, the then Department of Energy and Climate Change, and National Grid. We wanted to find a new pylon design for the twenty-first century.

We believe the T-pylon's lower height and contemporary design will have less of an impact on the landscape than traditional lattice pylons.



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How we build T-pylons

Before we build pylons, we carefully survey the route for wildlife, ground conditions and other environment considerations. The results of these surveys help us develop detailed construction plans for each pylon location.



Contact us

For further information please contact our Community Relations Team

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