

# Saltash Tunnel Refurbishment

Devon &  
Cornwall, UK

## Project Information

**Client**  
Highways Agency

**Designer**  
Skanska UK

**Main Contractor**  
Skanska UK

**Dates**  
2002 - 2004

**Construction Value**  
£7.4m

## Further information

Maple Cross House  
Denham Way  
Maple Cross  
Rickmansworth  
Hertfordshire  
WD3 9SW

31 Old Field Road  
Bocarn Park  
Pencoed  
Bridgend  
CF35 5LJ

[skanska.technology@skanska.co.uk](mailto:skanska.technology@skanska.co.uk)  
[www.skanska.co.uk](http://www.skanska.co.uk)



The Saltash Tunnel, on the A38 trunk route, forms a crucial link between Devon and Cornwall. The road tunnel is a single bore with three traffic lanes and is approximately 410m in length.

The refurbishment work included the construction and extension of tunnel service buildings; rock anchoring of the east tunnel approach cutting; sealing unsightly shrinkage cracks in the tunnel's existing primary lining; installing a vitreous enamel panel secondary lining; upgrading the existing drainage system; resurfacing the existing carriageway and upgrading the tunnels M&E systems.

Skanska's design team managed the design process and carried out design of the M&E systems and structural checking of the cladding system.

The cladding system consists of stainless steel ribs fixed on the existing lining by means of threaded bars with cladding panels attached to the ribs. The M&E work included the following:

- Speed Detection Systems
- Impounding Sump & Drainage Diversion
- Automatic Incident Detection System
- Public Address System
- Variable Lighting Control System
- Larger Jet Fans
- Smoke Detection System
- New Lane Control Signs
- Illuminated Road Studs
- Revisions to SCADA Systems