

# Electrical Equipment Rooms: WestConnex

## Customer

WestConnex - The New M5, Sydney NSW

## Background

WestConnex - The New M5, is Australia's largest transport infrastructure project. WestConnex is part of an integrated transport plan to keep Sydney moving - easing congestion, creating jobs and connecting communities. The new motorway will provide crucial support for Sydney's long-term economic and population growth.

## The Equipment

Ampcontrol was contracted to provide 45 Electrical Equipment Rooms (EERs) to support the power and communications requirements for the WestConnex - M5 tunnelling operations. The EERs include a transformer, switches, circuits and communication systems to assist with fire control, air quality and fan systems. No two EERs are identical as they have different specifications depending on their location within the tunnel. They have been designed and specified to have a 25 year design life.

## Unique Application

Westconnex is the first tunnelling project in Australia where EERs have been manufactured offsite and installed directly into the tunnel, compared to the traditional method of building them in-situ. This method has resulted in a number of positive benefits for the project, namely significantly reduced install time, improved safety and a decrease in the resources required for installation.



**+ Transportable: built and tested off-site**



## Achievements

An Australian first for transportable tunnel EERs, manufactured offsite and installed directly into the WestConnex M5 tunnel.

Ampcontrol has provided support during the design phase and once into production, we have achieved all deadlines for delivery. Up to two EERs are manufactured and dispatched from our Hunter operations each week with the last EER planned for delivery in April 2019.