

Marie Daly, Chief Operating Officer



South Wales Metro: *Connecting Communities and Adding Social Value*

The South Wales Metro is a **£1.5 billion** transformation project that set out to achieve:

- Electrification and upgrading of **170km** of track
- Upgrading all stations, including **41 platform alterations** for level boarding, **4 new Access for All bridges** and **2 brand-new stations**
- Upgrading signalling all controlled from a new control centre in Taff's Well
- Construction of a new purpose-built depot in Taff's Well
- Introducing **148 brand-new tram-trains** – an **£800m investment** into new trains from Welsh Government.

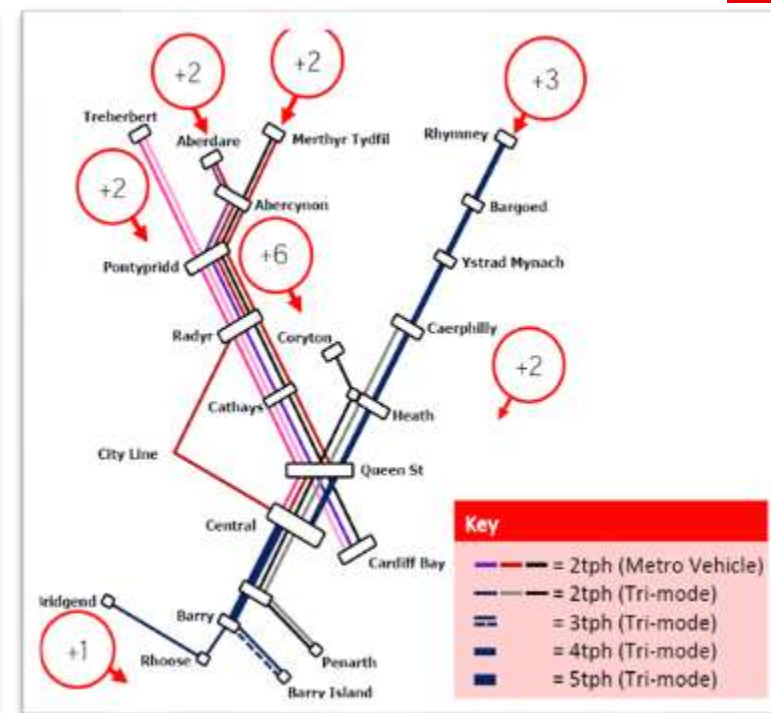
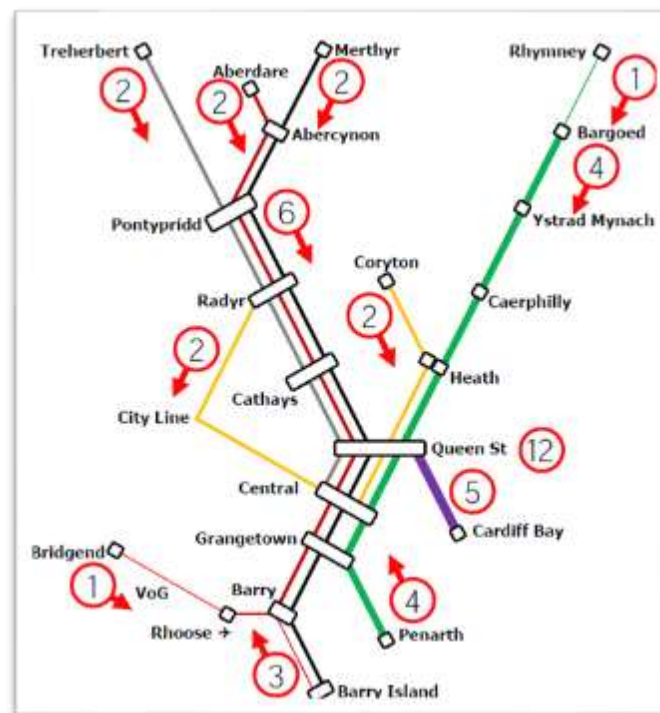
Llinellau'r Cymoedd
Valley Lines



South Wales Metro: *Connecting Communities and Adding Social Value*

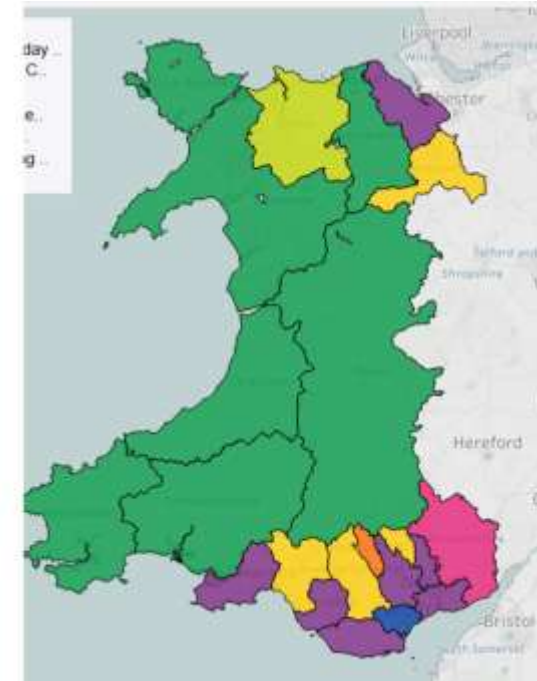
For our customers and communities, this will deliver better connected journeys through:

- Increased frequency of services (at least every 15 minutes on most parts of the network)
- Reduced journey times due to line speed improvements and the increased acceleration speeds of the new trains
- Simple, convenient ticketing options –Pay as You Go.
 - First train operator outside of London and the South-East of England to introduce this paying system.



South Wales Metro: *Demographic Insights*

- Customer journeys – approx. 1m per month.
- Journeys increased **from 10.4m** (2023/2024) to **12.6m** (2024/2025).
- Customer segmentation:
 - Far-flung retirees – 19%
 - Suburban Comfort – 18%
 - Pressured Families – 17%
 - Digital Families – 13%
 - Feeling the Strain – 10%
 - Bungalow Seniors – 12%
 - Urban Commuters – 6%
 - Rural Retreat – 5%
- South Wales Metro areas is vastly different to rest of Wales.
- Predominantly Suburban Comfort vs. Far Flung retirees in rest of Wales



South Wales Metro: *From Vision to Reality*

- Phase one nearly complete: 70% network electrified with discontinuous electrification to minimise capital expenditure and civil interventions.
- Signalling controlled from Taff's Well.
- Over the next 18 months, the Rhymney and Cardiff Bay lines will be electrified.
- Over 4,000 steel masts and 13,000 steel arms have been installed.
- 32 new trains available for the CVL per day.
- From July ➡ 756s (new 3 x carriage trains) on the Coryton / Caerphilly / Penarth lines

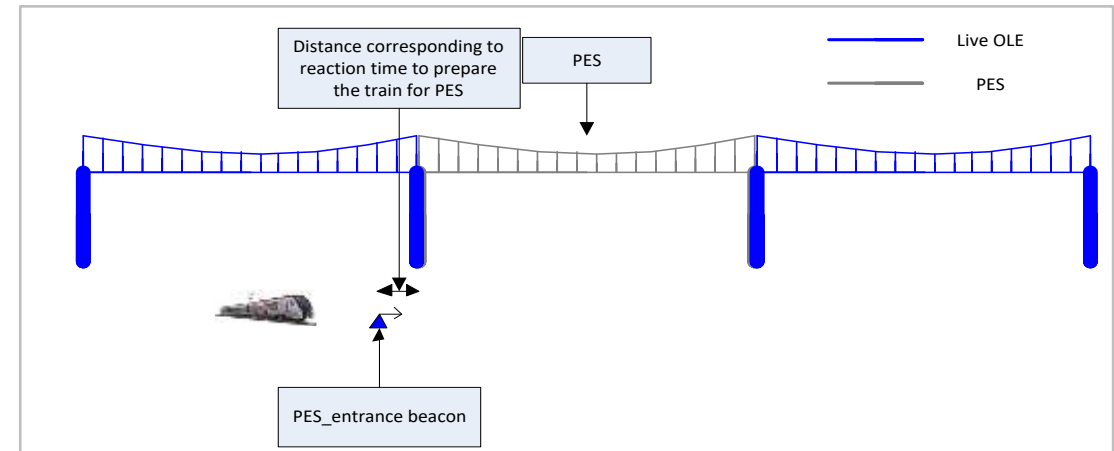
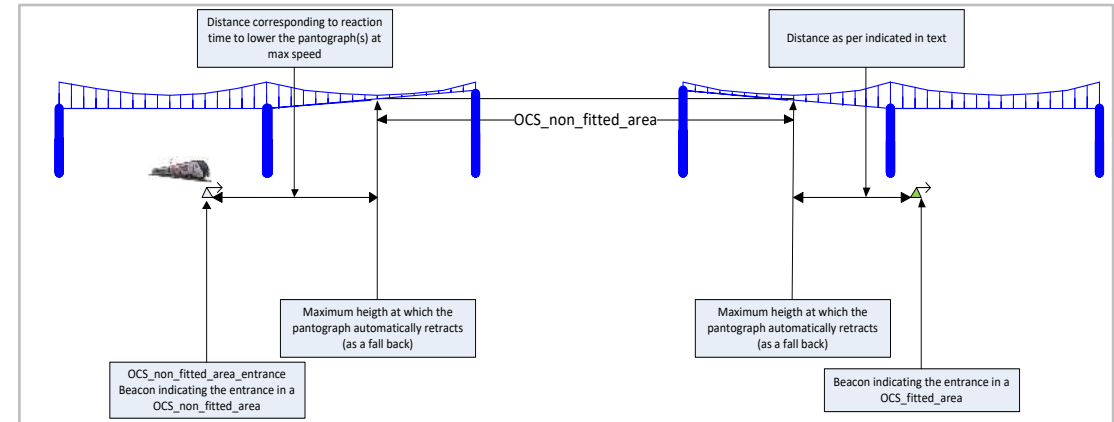


South Wales Metro: *Using innovation*

- Several innovations have been used across the project to keep capital costs down, improve reliability and unlock potential future extensions of the network.
- Smart electrification (involving the use of permanently earthed and non-wired sections) has avoided the need for major civil interventions to bridges, viaducts and station canopies.

It's estimated that this system has saved:

- 37 track lowers
- 8 Bridge jacks
- A total cost saving of approx. 37%
- A carbon saving of roughly 50%



South Wales Metro: Ffeibr for the Future

- While building the South Wales Metro and carrying out huge infrastructure changes to electrify the railway, TfW seized the opportunity to install a full fibre network.
- In November 2024, TfW launched Ffeibr, enabling companies to provide high-speed connectivity to valley communities.
- In total, 200km of fibre optic cabling will be installed. To put that into perspective, that's 4 times the length of the channel tunnel.



A Future Wales Can be Proud of...

- Customers think in journeys, not modes.
- The future of TfW as a multimodal, integrated transport organisation means that future phases include bus franchising to improve door-to-door journey experiences.
- This integrated transport system of trains, tram-trains, buses, walking and cycling will provide a modern, seamless service that Wales can be proud of.



What's Next? *North Wales – 'Metro is a Go'*

- North Wales Metro was unveiled in May by Cabinet Secretary for Transport and North Wales Ken Skates.
- Will see metro style train services on the North Wales mainline, the Marches line (Chester to Wrexham) and a new, direct rail link between Wrexham and Liverpool.
- An ambitious vision to deliver an integrated, high-frequency public transport network for North Wales, with frequent metro services at its heart.
- It aims to maximise opportunity and unlock the economic potential of North Wales and the cross-border region.

