



Presentation by Colin Lea at the Railfuture Ltd AGM in Cardiff on Saturday 18 May 2019



Who is Keolisamey?





Extensive transport networks in 16 countries

Rail in the UK, US, Netherlands and Germany World's leading light rail operator World's largest tram network in Melbourne



Extensive UK infrastructure management experience

Railways, roads, utilities, airports and transport hubs Already employ 500 people in Wales Contracts with Welsh Government, Dŵr Cymru, Isle of Anglesey, Wrexham and Network Rail

Our structure



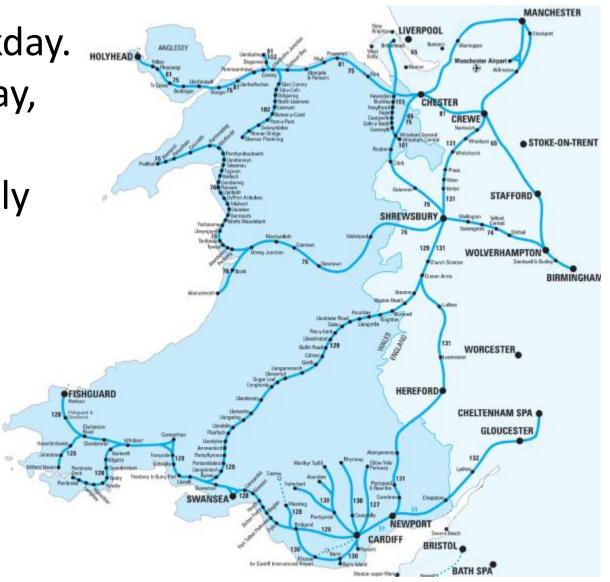




Key statistics - Wales and Borders



- —More than 950 services per weekday.
- —86,000 passenger journeys per day,31.5m per year
- Manage 244 stations of which only53 are staffed
- —Over 2,200 staff
- —Fleet of 132 trains
- Average age of rolling stock around 25 years



15 year contract

Main tasks

- Operate the Wales and Borders rail services
- Design and deliver the next phase of the South Wales Metro (£738m capital works)
- Manage and maintain the infrastructure in the core valleys

Key differences

- Vertical integration (track and train) being considered in UK rail industry (Williams review), but legally complex
- Contract letting powers devolved from DfT, procured by Transport for Wales (Welsh Govt)

4 bidders

KeolisAmey, Arriva/Costain, Abellio/Carillion and MTR/BAM



Timelines



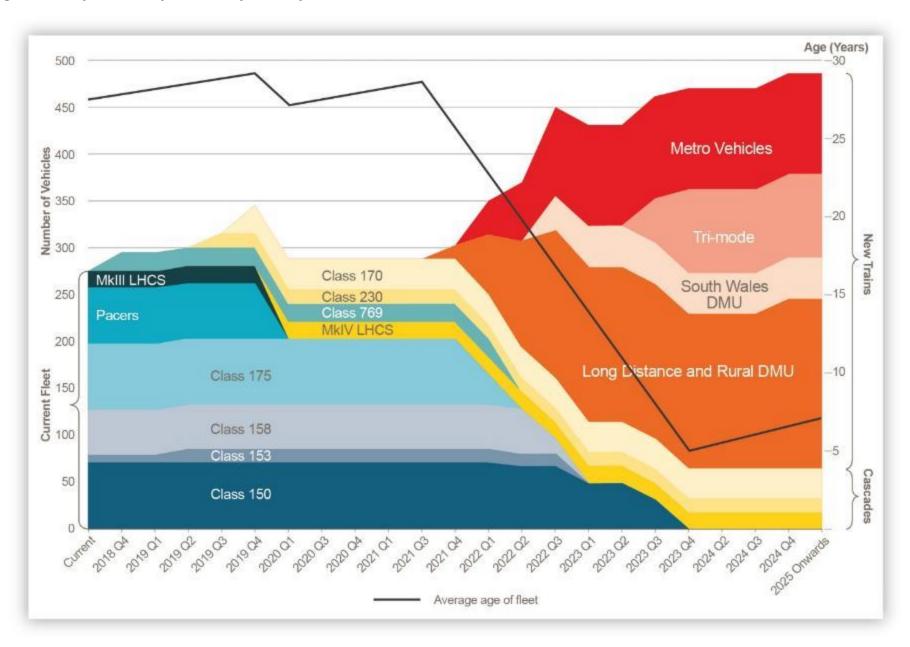
Pre-Qualification Questionnaire			
Bidders submit outline solutions (ISOS) - 4 bids			
Dialogue about requirements and solutions			
ITSFT(main bid period) - 3 bids			
Submission of Final Tenders			
Evaluation and Clarification - 2 bids			
Contractualisation - I leading bid, I backup			
Signature - I winner			

July-Sept 2016
December 2016
Jan-Nov 2017
September 2017
December 2017
Jan-Mar 2018
Mar-May 2018
4 June 2018



The fleet average age will drop from 25 years today, to 7 by 2023





Capacity increased by 65% plus a true 7-day service (22% increase in 2019 with more later)



Rolling stock we will introduce in Wales



New Fleet



36 x Metro Vehicle (CVL)



24 x Tri-mode (CVL) + 11 x DEMU



77 x DMU: Rural & Long Distance



12 x Cl.170/2: Suburban then Rural

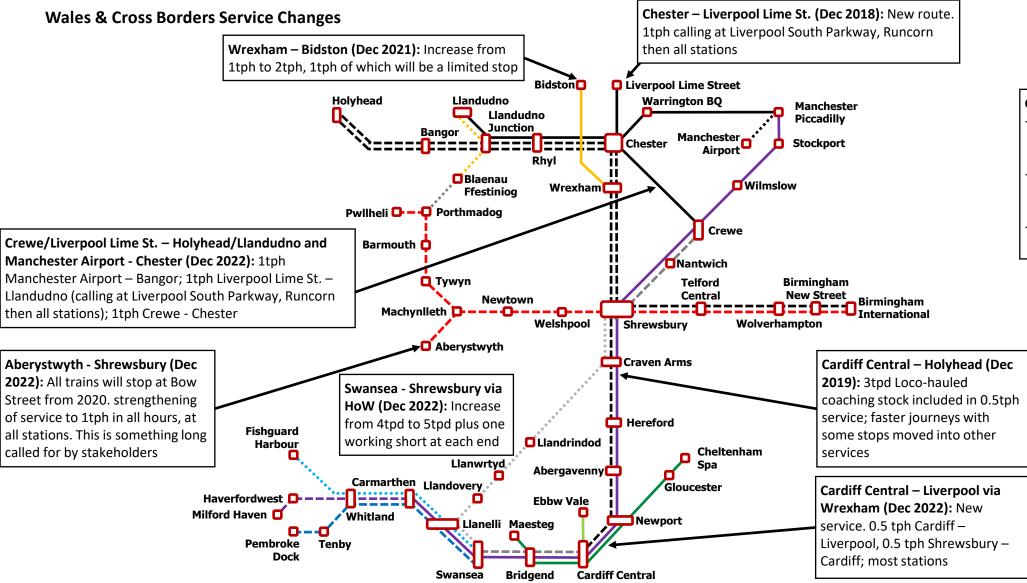
Cascaded Fleet



5 x Cl.230: Rural & Suburban



3 rakes of MkIV coaches: Long distance





General changes:

- Dec 2019: Earlier trains and more frequent services on Sundays
- May 2023: Further increase in Sunday journeys on WCB routes
- December 2024: 2tph on all CVL routes on Sundays

Station Improvements

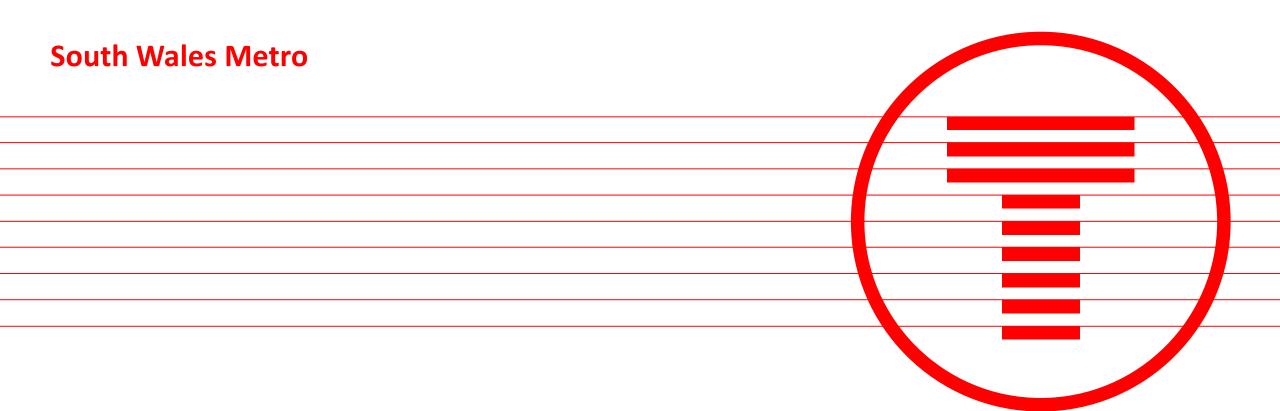


We will invest **£194m** in improvements to all Rail Services stations, in addition to the CVL Transformation programme, including:

- Shelters, covered cycle storage, information screens and monitored CCTV at every station
- £15m ring fenced fund to improve accessibility
- 1,500 new parking spaces
- Community spaces at over 40 stations
- New ticket machines and smart ticketing
- Free Wi-Fi at all stations
- Secure Stations accreditation at every station only 5% (13 stations) have this currently.



E194,000,000 INVESTMENT IN STATIONS ACROSS WALES.



Current Service Pattern (Valley Lines)

Weekday peak and off-peak service pattern

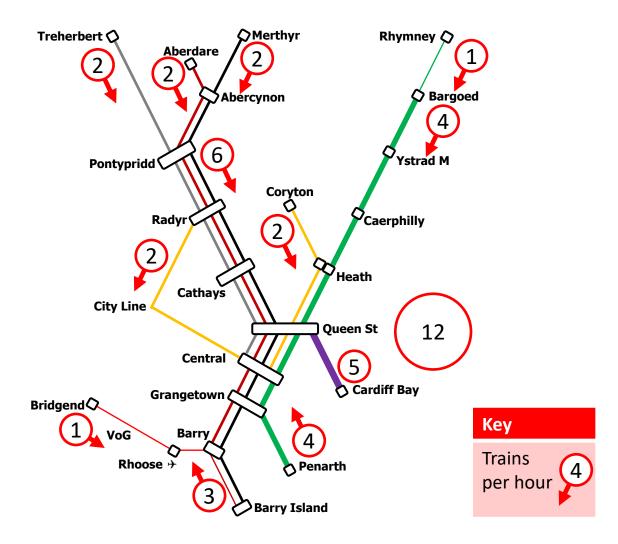


Key features

Trains to Bridgend originate at Merthyr but trains from Bridgend run to Aberdare

Some exceptions to the pattern to facilitate freight and peak strengthening of services

Services are linked across Cardiff – to minimise reversing moves at Central and Queen Street



December 2023 improvement on current timetable

Monday to Saturday all-day service pattern



Customer Impacts

Doubling of frequency for Treherbert, Aberdare and Merthyr Tydfil

An additional 3tph running to and from Rhymney

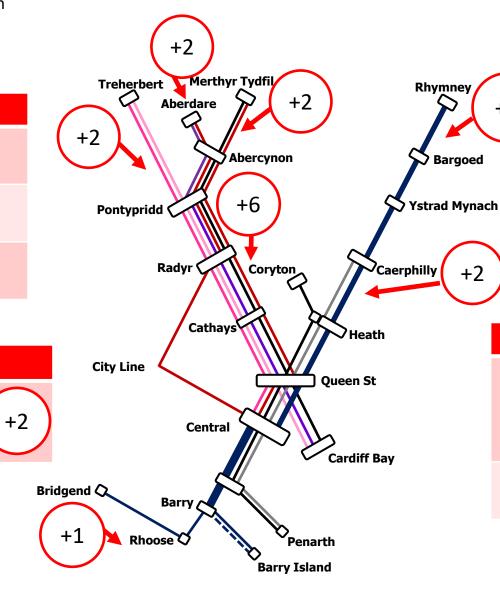
An additional service every hour on the Vale of Glamorgan

Key

Increase

in trains

per hour



Notes

Two of four services per hour from Treherbert, Aberdare and Merthyr Tydfil will run directly to Cardiff Bay, removing the need for passengers on these lines to change trains

For Dec 2024, Bay line extended to Flourish and new station opened at Loudoun Square

= 2tph (MV)= 2tph (Tri)

= 3tph (Tri)

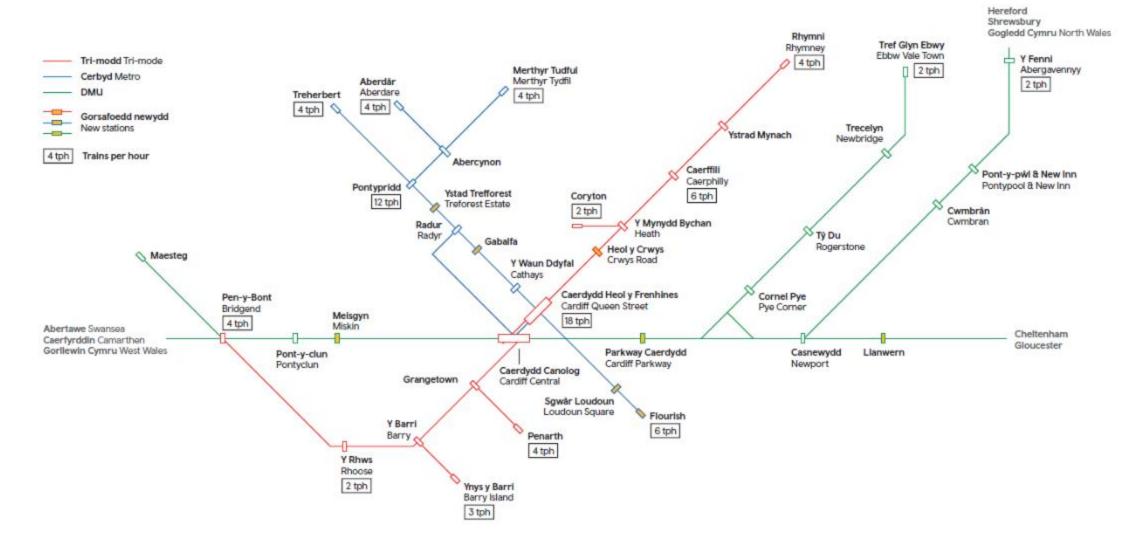
= 4tph (Tri)

= 5tph (Tri)

Key



Metro De Cymru (rheilffordd) erbyn 2023 South Wales Metro (rail) by 2023



What this means for passengers



Journey	2023 Increase in Trains per hour	% decrease in journey time	% change in peak capacity
Treherbert > Cardiff Queen St	+2 to 4	-19%	+113%
Aberdare > Cardiff Queen St	+2 to 4	-25%	+36%
Merthyr Tydfil > Cardiff Queen St	+2 to 4	-21%	+74%
Rhymney > Cardiff Central	+3 to 4	-21%	+37%





Proposal for the CVL Transformation



Overview of the Concept Design

- Track 15 sites where track is re-doubled, 1 major junction remodelled, numerous line speed improvements, new on-street (tramway) section of line to relocated Cardiff Bay station.
- Maintenance and Control new rolling stock maintenance depot and control centre (Taff's Well).
 Upgrades for "tram-train" mixed-mode operation.
- Electrification 'smart' electrification to 25kV AC with permanently earthed sections around restricted structures, saving 55 interventions e.g. rebuilding bridges/no need for wire in Caerphilly tunnel





Over 600 new jobs directly created plus 30 apprenticeships a year