What can we do in Wales to increase rail passenger volumes?
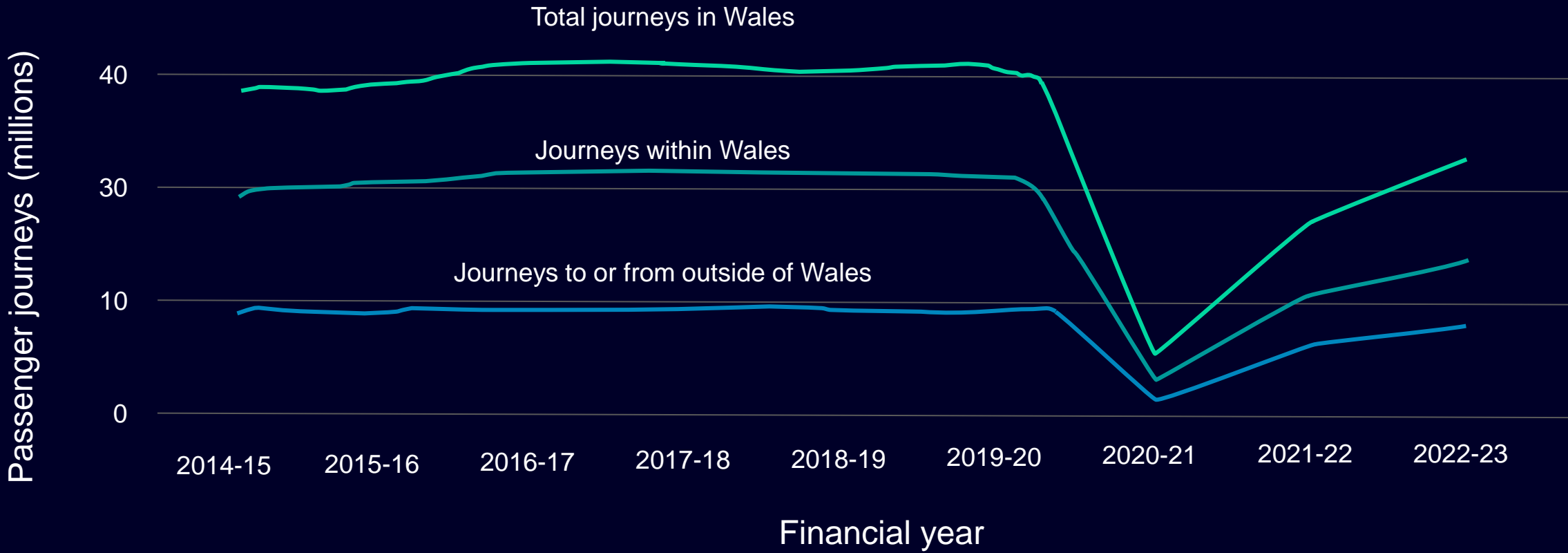
Helen Davis

Director of Strategy and Business Development – Rail Infrastructure

Siemens Mobility UKI

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1. Why is increasing passenger numbers is so important?

2. What do we need to do to sustainably increase the number of passengers?

3. How can we deliver this through 'whole system' thinking?

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Rail passenger journeys by direction 2014-15 to 2022-23

Total journeys in Wales

Journeys within Wales

Journeys to or from outside of Wales

Passenger journeys (millions)

Financial year

40

30

10

0

2014-15 2015-16 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22 2022-23

Description: Line chart showing there was an increase of 32.6% in passenger journeys in 2022-23 compared to previous year.

Source: Welsh Government analysis of Office of Rail and Road, National Rail Trends, regional usage profiles

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Revenue generation

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Socio-economic growth
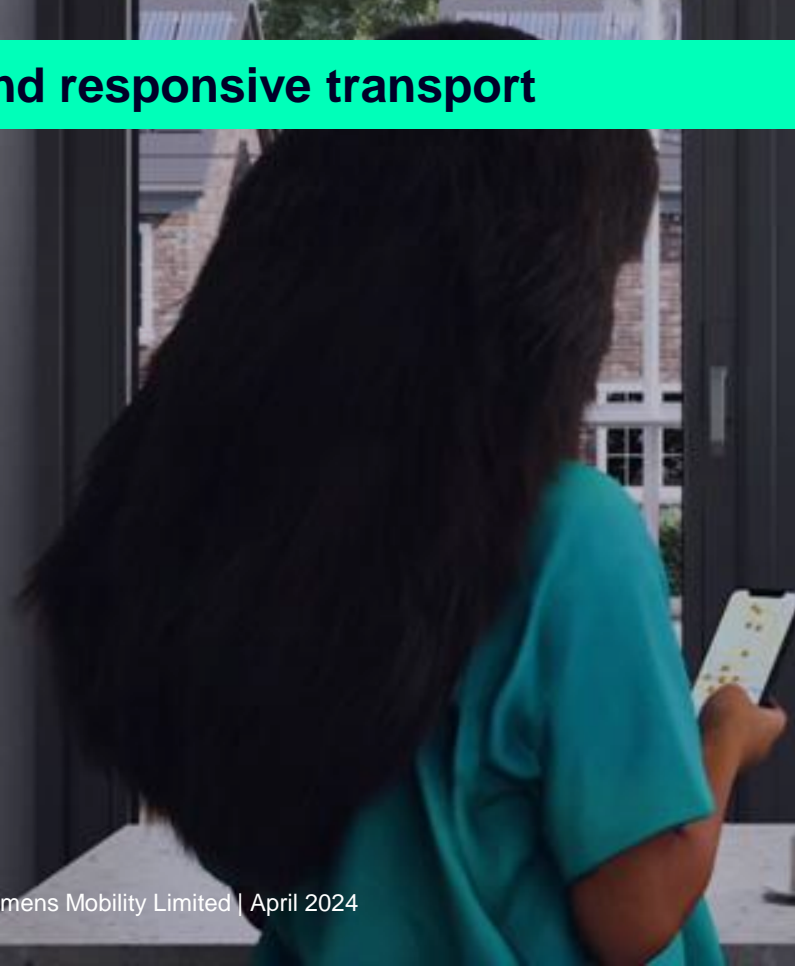
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Sustainability

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Delight our passengers
so much that they **choose**
the **train** over the car

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At home

Mobility as a Service

Demand responsive transport

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At the station

Digital station management

CCTV cameras

PA systems

Staff and passenger apps

Passenger flow management

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On the train journey

Conventional & Digital Signalling

Automatic train operation

Control systems

Level crossings

Networks & Connectivity

Remote securing

Electrification

Fleet management control

Cab radios, Driver Advisory & C-DAS

Trainborne condition monitoring

Passenger information systems

Train facility management

Cyber security systems

Smart railway maintenance

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Managing weather disruption

Railway data and technology

- Drones
- Trainborne & trackside cameras
- Weather forecasting
- Geotechnical sensors
- Digital conflict resolution technologies
- Accelerometers & GPS receivers
- Driver advisory & PA systems
- Asset monitoring
- Access maps

Common data environment to monitor and predict railway health

Data science & analytics

AI & machine learning

Outcome

Weather resilient operation

Impact

Passenger confidence, whatever the weather

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Visit our stand to learn more about how we can support the future of transport in Wales

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