





MOTOR VEHICLE INDUSTRY SKILLS SUMMIT

SPONSORED BY





1st November 2023

IN PARTNERSHIP WITH







There's more to Motor....

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Partnerships Manager

www.theimi.org.uk



THERE'S MORE TO MOTOR

More change this decade than the previous 100 years



"We are facing fundamental changes. The automotive industry is undergoing a **fundamental transformation**".

Ola Kallenius, CEO Mercedes-Benz Group

Our Collective Challenge - Transition to a Mobility Sector



Autonomous

Today ADAS

Tomorrow autonomous machines

Inner-city shift



Connected

Vehicle to everything (V2X) Cybersecurity Personal data Big data



Electric

Electric powertrain Battery technology Hydrogen fuel cell Maintenance & repair shift



Shared Mobility & Mobility as a Service

New ways of purchasing mobility

Transition to new retail & business models

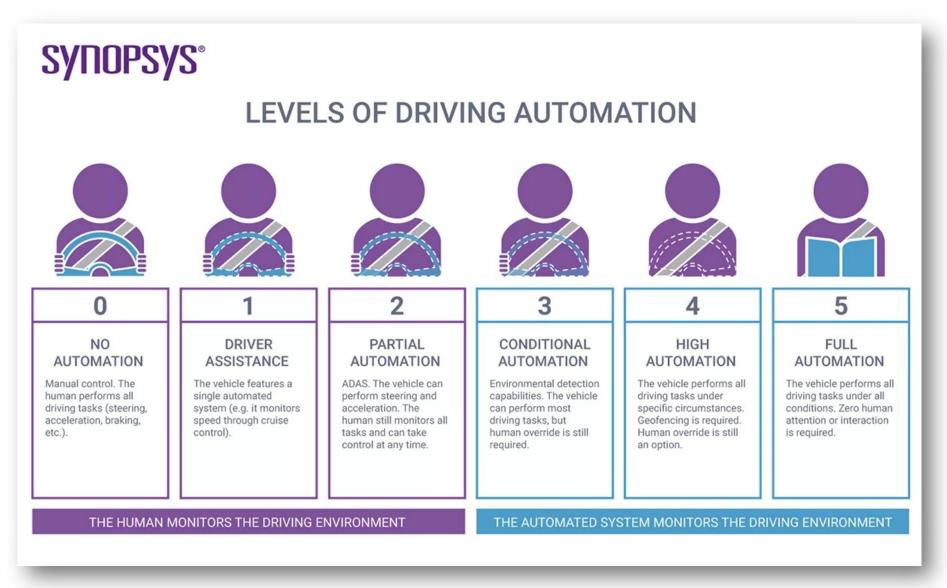
New market entrants

Vehicle Autonomy In more detail





The Path to Autonomous Vehicles



IMI ADAS research

MEETING THE DEMAND FOR SKILLED VEHICLE TECHNICIANS IN THE AGE OF ADAS

MI RESEARCH

An Analysis of the Skills Gap and Future Outlook for the Next Decade

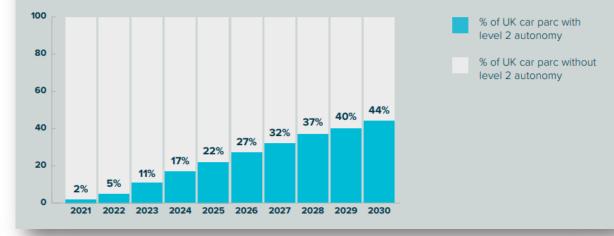


- As of the end of 2022, 5% of the UK car parc has some level of level 2 autonomy, with rapid growth expected over the next decade.
- The IMI forecasts that 44% of the UK car parc will have level 2 autonomy by 2030

IMI analysis

Proportion of UK car Parc with Level 2 autonomy

The IMI believes that, as of the end of 2022, 5% of the UK car parc has some degree of level 2 autonomy. This is set to rise rapidly over the next decade, as all new vehicles as from July 2022 are mandated (EU regulation) to include several safety components a number of which include Level 2 autonomy. The IMI forecasts that 44% of the UK car parc will have level 2 autonomy by 2030.



Connected Cars In more detail





Some new acronyms to learn

•Vehicle to Vehicle (V2V) - live safety scenarios are taken into account by the driving characteristics of nearby vehicles. Speed, direction, steering and braking are all shared between vehicles which are nearby.
Road dangers such as reckless drivers and emergency response vehicles could be tracked using V2V.
•Vehicle to Pedestrian (V2P) - With sophisticated sensor technology, pedestrians are alerted to the driver who can act accordingly to avoid accidents.

•Vehicle to Infrastructure (V2I) - Connecting to local authorities that can alert drivers about traffic, weather and alerts that may affect their driving ability. Advanced systems send traffic light data, nearby building sites, bridge heights, and pedestrian crossing data to all help aid vehicle and driver safety that would not otherwise be captured in outdated mapping data.

•Vehicle to Cloud (V2C) - Enabling so much data to be utilised. Including diagnostic reporting, location data, or connecting to a device that is part of the IoT space.^{*}

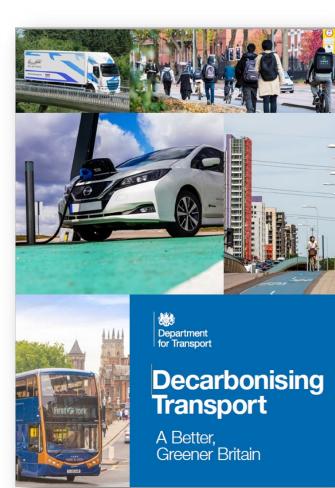
•Vehicle to Everything (V2X) - Part of all the above. All the connections to and from the vehicle, with a combination of improving the safety of drivers, the road and its traffic.

Electric Vehicles In more detail

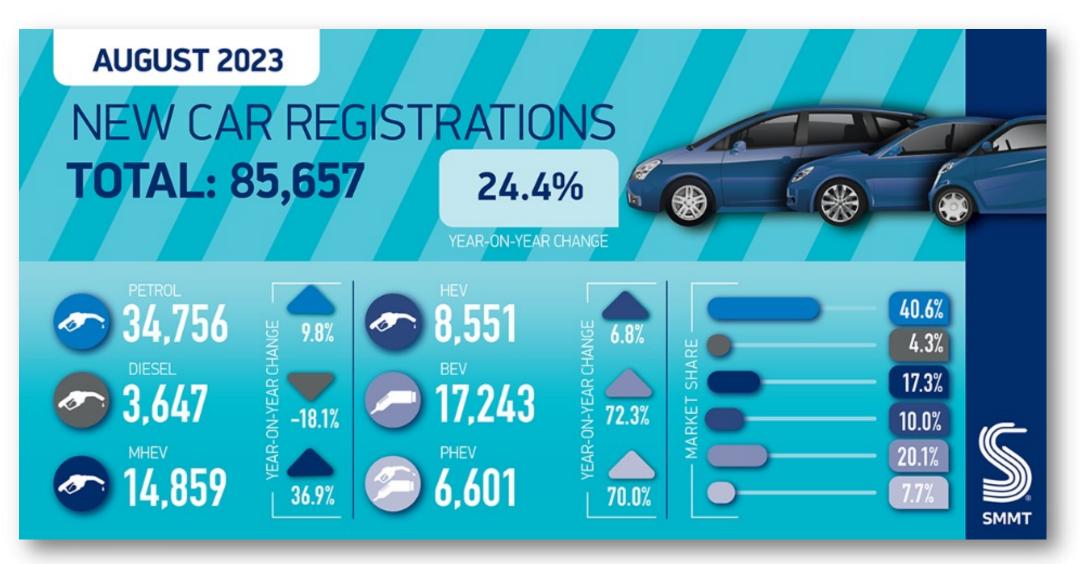




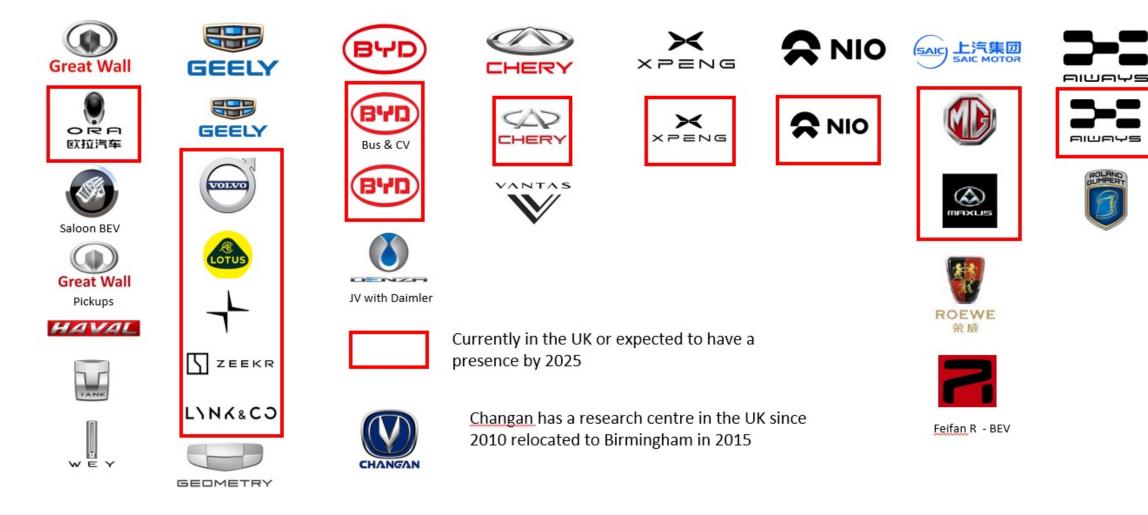
Government Policy



UK New Car Registrations



Market disrupters – Chinese EV manufacturers coming to Europe

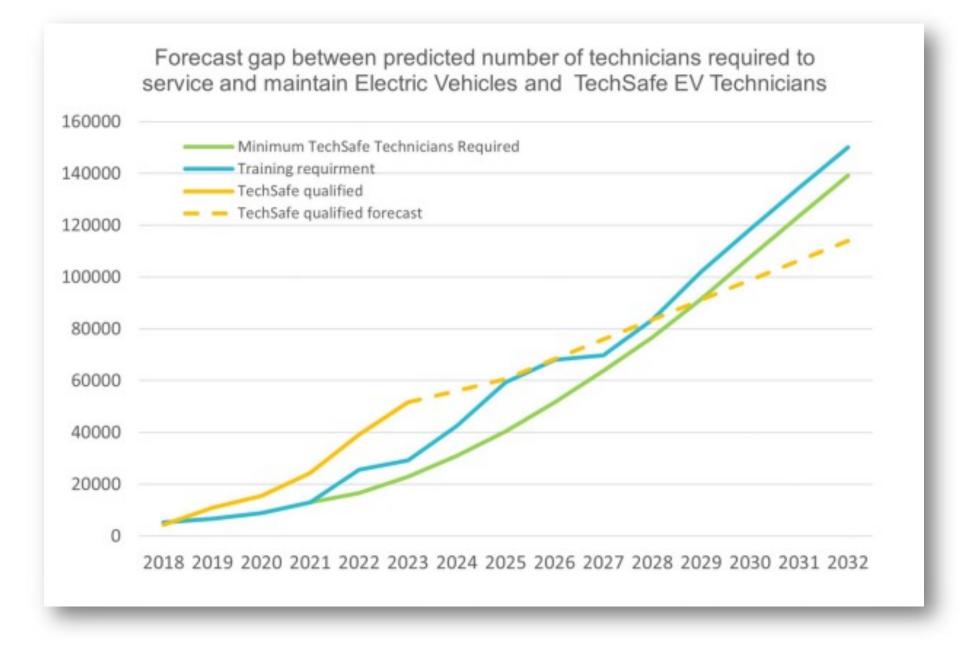


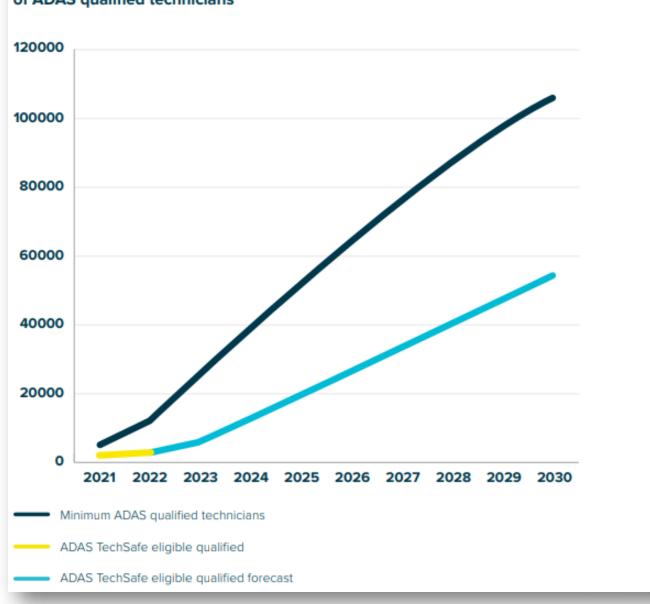
Change

What is the impact having on people who work in the sector? What impact is this change having on you in your role?









Forecast gap between predicted Cars with L2 autonomy on UK roads and the number of ADAS qualified technicians

The UK Sector

592,000

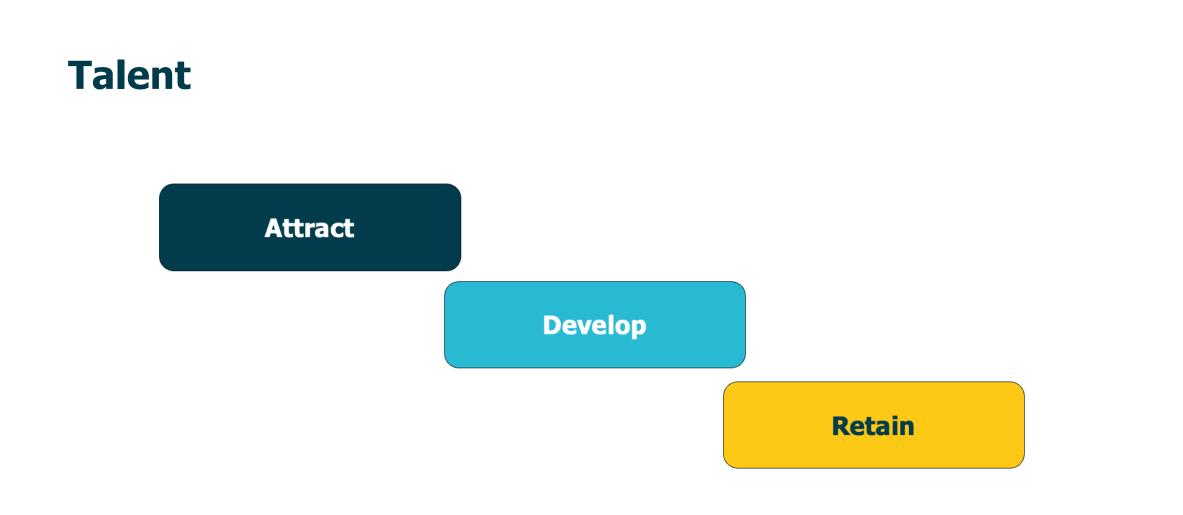
jobs in the automotive retail sector

166,000

jobs in the automotive manufacturing sector

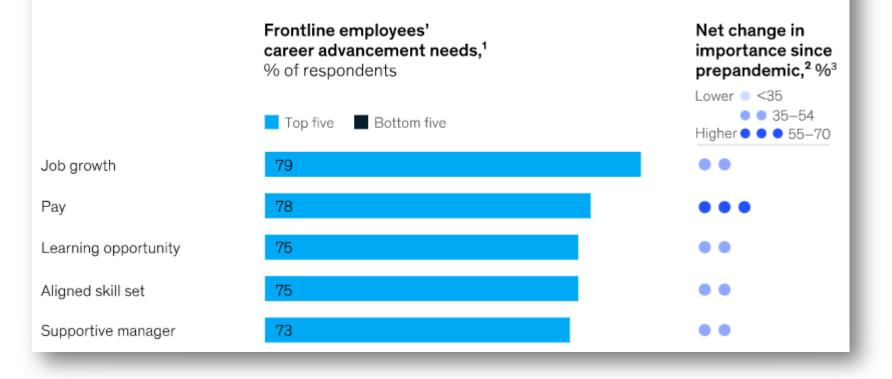
113,000

automotive occupations outside of automotive retail and manufacturing



What do employees want most from their employer?

The top five career advancement attributes focus on growth, compensation, and a supportive work environment.



Solutions? In more detail





IMI Professional Register with TechSafe Recognition

Certification & Retention



OZEV support – and ministerial support

Office for Zero Emission Vehicles

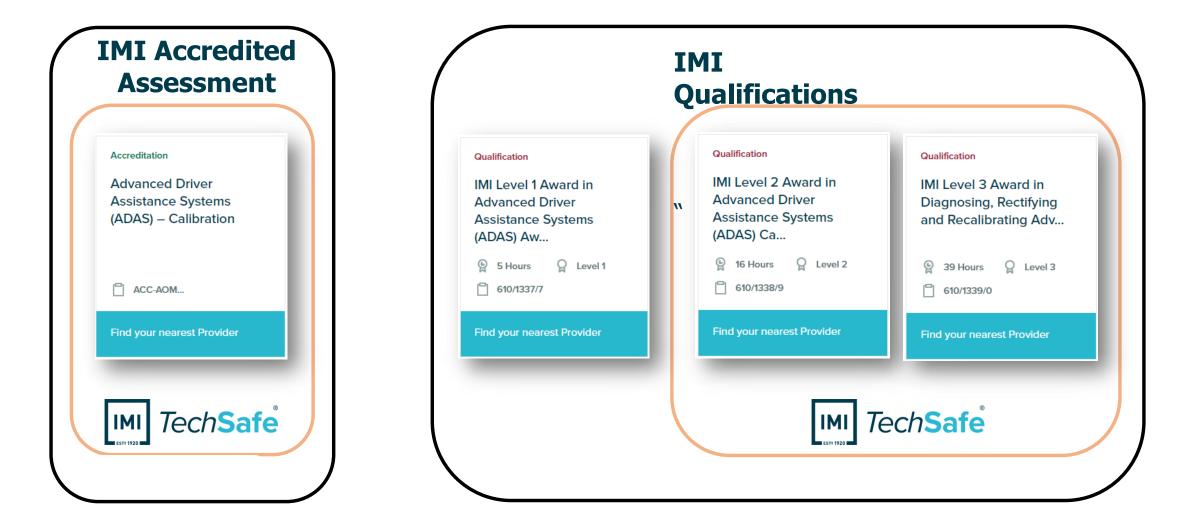


EV/Hybrid Vehicle Development Solutions (Light Vehicle)

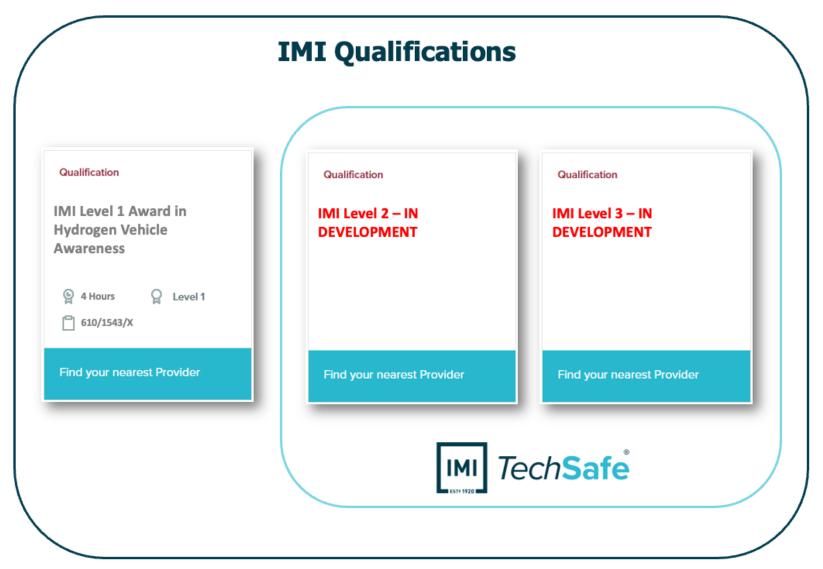
Note...Heavy Vehicle versions also available



ADAS Development Solutions



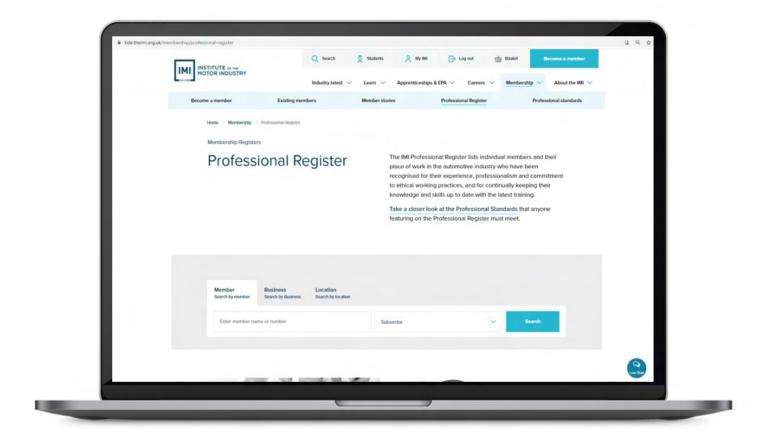
Hydrogen Development Solutions



TechSafe Process



Professional Register



THERE'S MORE TO MOTOR

WHY IS THIS CAMPAIGN NEEDED?

111,400+ ROLES NEED TO BE FILLED IN THE NEXT 10 YEARS



ONLY 19% of the current workforce are FEMALE





How can you get involved?

- Share our campaign activity went live on
 6th September 2023
- Share your '**Real Voices**' stories to inspire the future of the sector.
- Use our **digital toolkit** to help recruit 'Real Voices' and raise awareness.
- Contact us for future opportunities about how to get involved!



Share your story and help reshape the perception of UK automotive.

> #ThingsAreMoving #IMICommunity



IMI Diversity Task Force



Three ways to keep the conversation going

1) Fill in the Commitment Card:

LKQ

B FUTURE SKILLS Thank You

Thank you for joining us today and identifying and agreeing actions to address key skills and recruitment challenges faced by the Motor Industry.

As an employer you are a really important part of the solution and we are asking you to help us improve skills provision by contributing in one or more of the following ways.

I would be happy to contribute in the following ways:

By offering a placement to a student
 By offering work shadowing to a teacher
 By delivering a talk to students sharing my

sector or workplace expertise

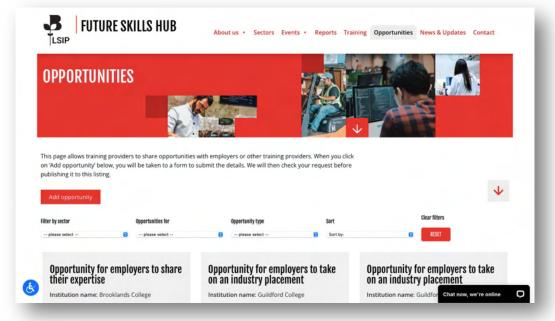
FUTURE SKILLS

HIIR

By meeting curriculum specialists to assist with sector knowledge

By offering a group visit to my premises for students

NAME:	
СОМРА	NY:
EMAIL:	
TEL:	
LOCAT	ION:



2) Engage with local skills opportunities with providers:

surrey-chambers.co.uk/future-skills-hub/opportunities/



3) Visit the Future Skills Hub website:

<u>surrey-chambers.co.uk/future-skills-hub/</u>