

# Skills to support the uptake of hybrid / electric vehicles

A recent study has identified the need to increase skills across a range of organisations to support the uptake of hybrid/ electric vehicles in Scotland. The key findings are presented here with more details available in the full study report\*.



## Vehicle repair and maintenance

**76%** of garages think that hybrid / electric vehicle repair and maintenance will be a necessary part of business in future

<b>31%</b> of all garages currently provide repair and maintenance of hybrid/ electric vehicles	<b>43%</b> of all garages not currently providing repair and maintenance of hybrid/ electric vehicles plan to do so in future
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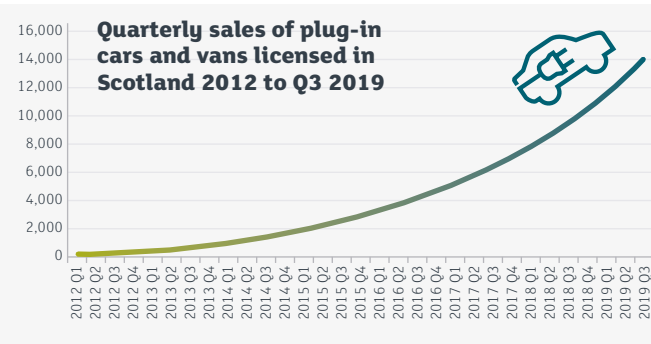
<b>27%</b> of independent garages	<b>63%</b> of franchised dealers	<b>41%</b> of independent garages	<b>70%</b> of franchised dealers
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**29% of garages have some staff** with recognised hybrid/ electric vehicle qualifications/ accreditations

**Less than 10% of all repair and maintenance staff** have recognised hybrid/ electric vehicle qualifications/ accreditations

### Barriers / Issues

- Many garages not currently seeing enough demand although significant increases are projected
- No or limited budget for training
- Lack of awareness about what training is required and where to get it
- Concerns about staff safety and availability of data for different vehicles



The number of plug-in cars and light goods vehicles licensed in Scotland has increased **by over 3,700% between 2012 and 2019**

## 'Remove the need for new petrol and diesel cars and vans by 2032'

Scottish Government target

### Large numbers of people need to be trained

Over 65,000 people could require some level of training to support the uptake of hybrid / electric vehicles in Scotland:

- **15,000** in repair and maintenance
- **20,500** in vehicle sales
- **7,800** other (e.g. roadside assistance and recovery)
- **22,000** in emergency services

## Vehicle retail / sales

**68%** of vehicle retailers think that selling hybrid / electric vehicles will be a necessary part of business in future

<b>27%</b> of all vehicle retailers currently sell hybrid/ electric vehicles	<b>36%</b> of all vehicle retailers not currently selling hybrid/ electric vehicles plan to do so in future
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<b>11%</b> of independent garages	<b>64%</b> of franchised dealers	<b>28%</b> of independent garages	<b>78%</b> of franchised dealers
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### Barriers / Issues

- Many vehicle retailers not currently seeing enough demand although significant increases are projected
- No or limited budget for training
- Limited training options for independent vehicle retailers

## Charging point repair and maintenance

90% of charging point repair and maintenance companies agree that qualified electricians should undertake specific additional training before working on EV charging points

### Barriers / Issues

- Communicating need for work to be carried out by qualified electricians that have also undertaken specific training
- Warranty issues if charging point repair/ maintenance is carried out by a supplier without manufacturer training

### Emergency services

Training will be required for:

<b>2,400</b> Paramedics	<b>13,200</b> Police Officers	<b>6,400</b> Firefighters
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### Barriers / Issues

- Limited resources to plan/ implement training
- Lack of vehicles for practical training (fire service)
- Availability of critical vehicle data

\*Ultra-Low Emission Vehicle (ULEV) Skills Baseline Study, Optimal Limited (on behalf of Transport Scotland and Skills Development Scotland), 2020