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② Businesses within the automotive industry are faced with the challenging demand of significant changes in technology, materials, and repair techniques. Causing them to ensure sustainable practice.

With new emerging technologies being re-invented every day, cars are becoming for more smarter and stronger. This makes servicing difficult and can cause lengthy repairs. Re-training of all employees is required as new techniques are required in order to have the ability to service and repair. This challenge can cost an automotive business lots of money as often a new course must be learnt. Often automotive scan tools must be required <sup>to</sup> diagnose a car and communicate with car to tell it what is going. Forcing an automotive repair shop to adapt and purchase a scan tool.

New technologies mean new materials are created and are used to make a car save weight, increase fuel economy, and make a car a lot more stronger. Materials such as carbon fibre and titanium are advanced materials and often require a high level of skill.

to repair or replace. This affects smaller automotive workshops as they do not possess the resources or training to repair the materials. This is addressed by sending the car to a dealership to be repaired.

These materials and new emerging technologies require specified repair techniques in order to be serviced. To overcome this challenge automotive workshops send employees away to receive special training so they can learn and understand the techniques required to repair new materials and new technology. This in return costing more money to the automotive workshop.

Sustainable practice is also required to prevent injuries and to be aware of the dangers of the change in the technologies. For example full electric cars contain huge amounts of electricity and power and therefore cannot be serviced properly. Specialised techniques and sustained practice must be used to ensure the safety of employees and prevent any serious harm being had. This challenge may not be able to be overcome as smaller automotive workshops do not possess the resources to attend to the demanding needs of the

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new technology.

Business of the future will have to learn to adapt to the new emerging technologies to ensure safety of employees, sustainable practice and repair techniques, to service and repair cars of the future.

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