

Under an **emissions ceiling**, manufacturers can choose to improve fuel efficiency using a wide range of technologies.

Tyre and engine regulations restrict manufacturers to improving only these technologies for compliance

Manufacturers can choose to improve:

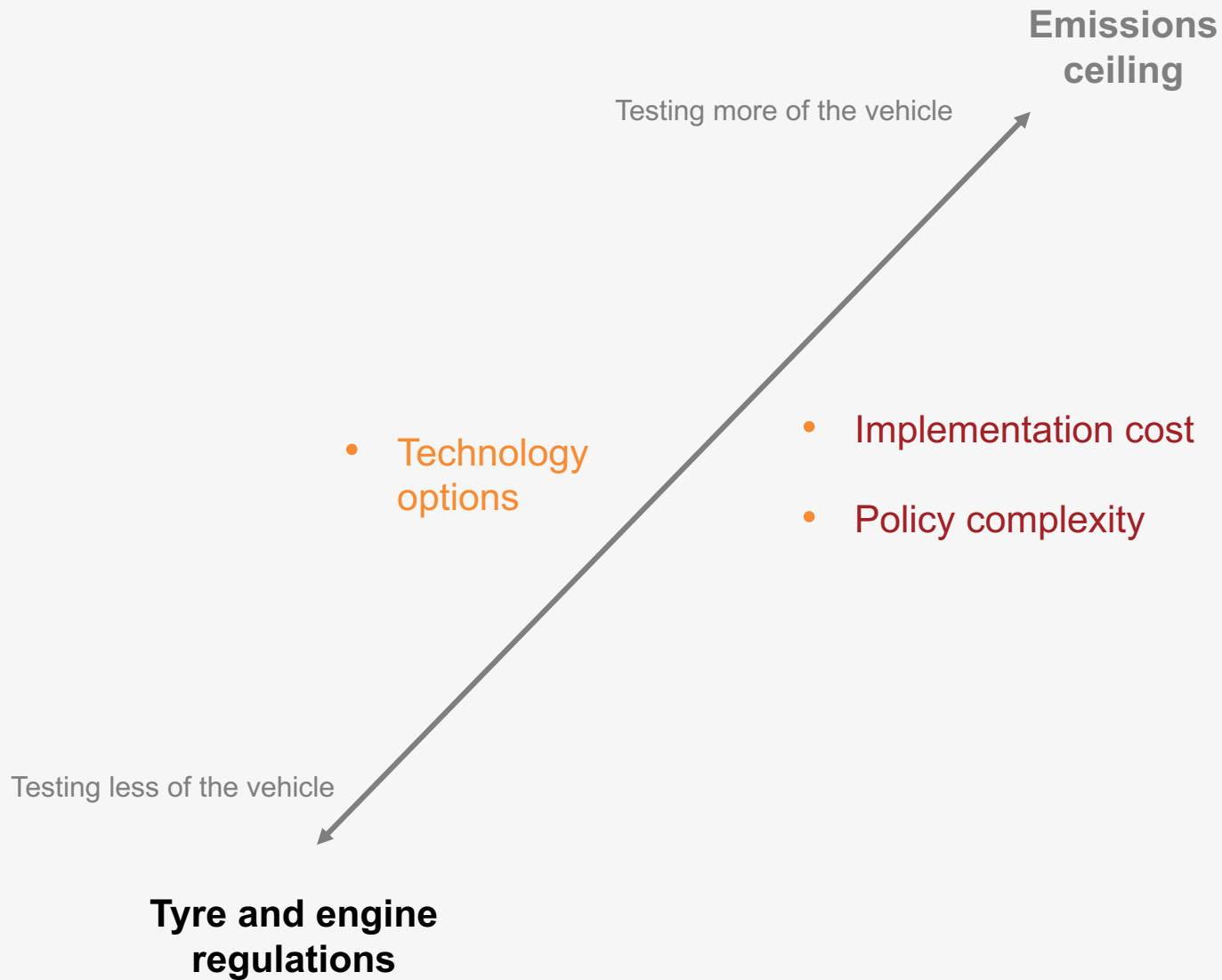
- Improved engine technology ----->
- More aerodynamic cabins
- More aerodynamic trailers
- Lower rolling resistance tyres ----->
- Weight reduction
- Improved transmissions
- Hybrid technology
- More efficient accessories

Manufacturers must improve:

- Improved engine technology
- More aerodynamic cabins
- More aerodynamic trailers
- Lower rolling resistance tyres
- Weight reduction
- Improved transmissions
- Hybrid technology
- More efficient appliances

But because the options are wide, vehicle testing must be comprehensive and is **expensive**

But testing is **far cheaper**, because it only needs to cover these technologies



- More technology options
 - Expensive vehicle testing: need to test whole vehicle
 - Long lead times: complex to set up
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