

DESIGN CHALLENGE GUIDE

An accessible vehicle for the future

WHAT'S THE PROBLEM?

As people get older, using a car can become difficult. This includes getting in and out of a vehicle, as well as controlling and driving it. Populations in many countries around the world are getting older, so this will become an increasing challenge.

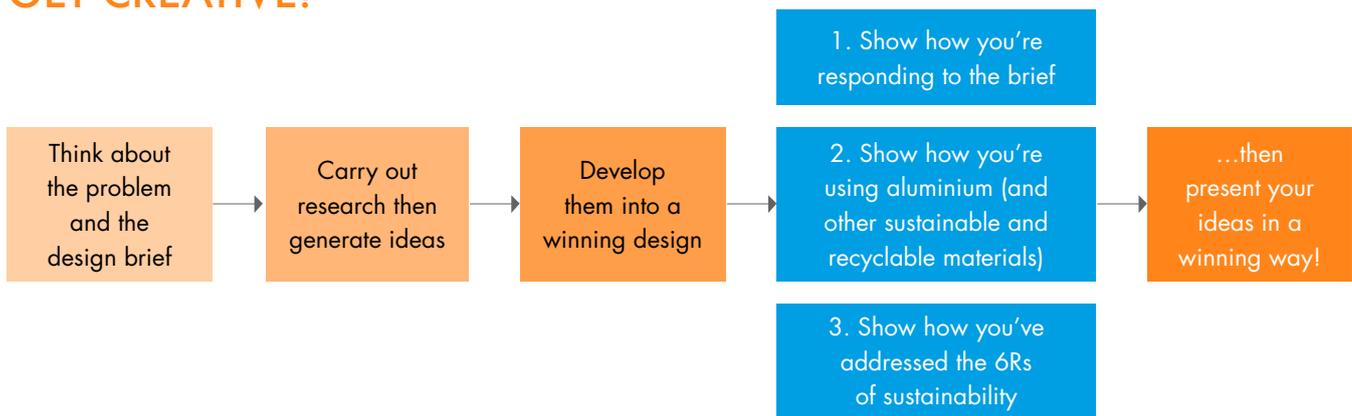


Think about how an elderly or disabled person may find it difficult to use a car or other vehicle. How could you make it easier and quicker to get in and out, or to control the car's speed and direction? Think about how you'll use aluminium in your design and what other sustainable and recyclable materials you'll use. How can aluminium make your vehicle strong, stiff and stable? How might it form part of any assistive features you include? Make sure your vehicle has minimum impact on the environment throughout its life, and its component parts can be recycled when they are no longer functional.

Design brief

Design a new vehicle for the future, suitable for one person, or one person and a passenger. Your design should make travel easier for elderly or disabled drivers.

GET CREATIVE!



GET INSPIRED!

- Read the brief carefully and look at previous successful entries.
- Carry out your own research on design, aluminium and the 6Rs.
- Think of your own original ideas – don't copy ours!
- Do some market research – can you talk to someone who knows about caring for older or disabled people?

JUDGES' TIPS

- Answer the brief with a really original design.
- Show us how you form, join and finish aluminium.
- Explain how you address all 6Rs of sustainability.