

Project: To design a new high speed train for the UK mainline.

Objectives

- To design a train that complies to the below dimensions:
 - Car Length: 25m
 - Car width: 2.5m
 - Car Height: 3m
 - Must be suitable to run on standard gauge.
- The train should consist of 5 cars.
- The power generation method should be explored, with chosen method justified.
- The material choice should be explored and chosen material justified.
- A production floor plan that demonstrates the flow of manufacturing processes should be generated.
- Bogie options should be explored with the chosen model justified.
- This must be summarised in a business pitch, with a supporting visual presentation, to the customer on Friday 03/04/20.