



Leon Daniels

MD Surface Transport

Transport for London

Project Birth



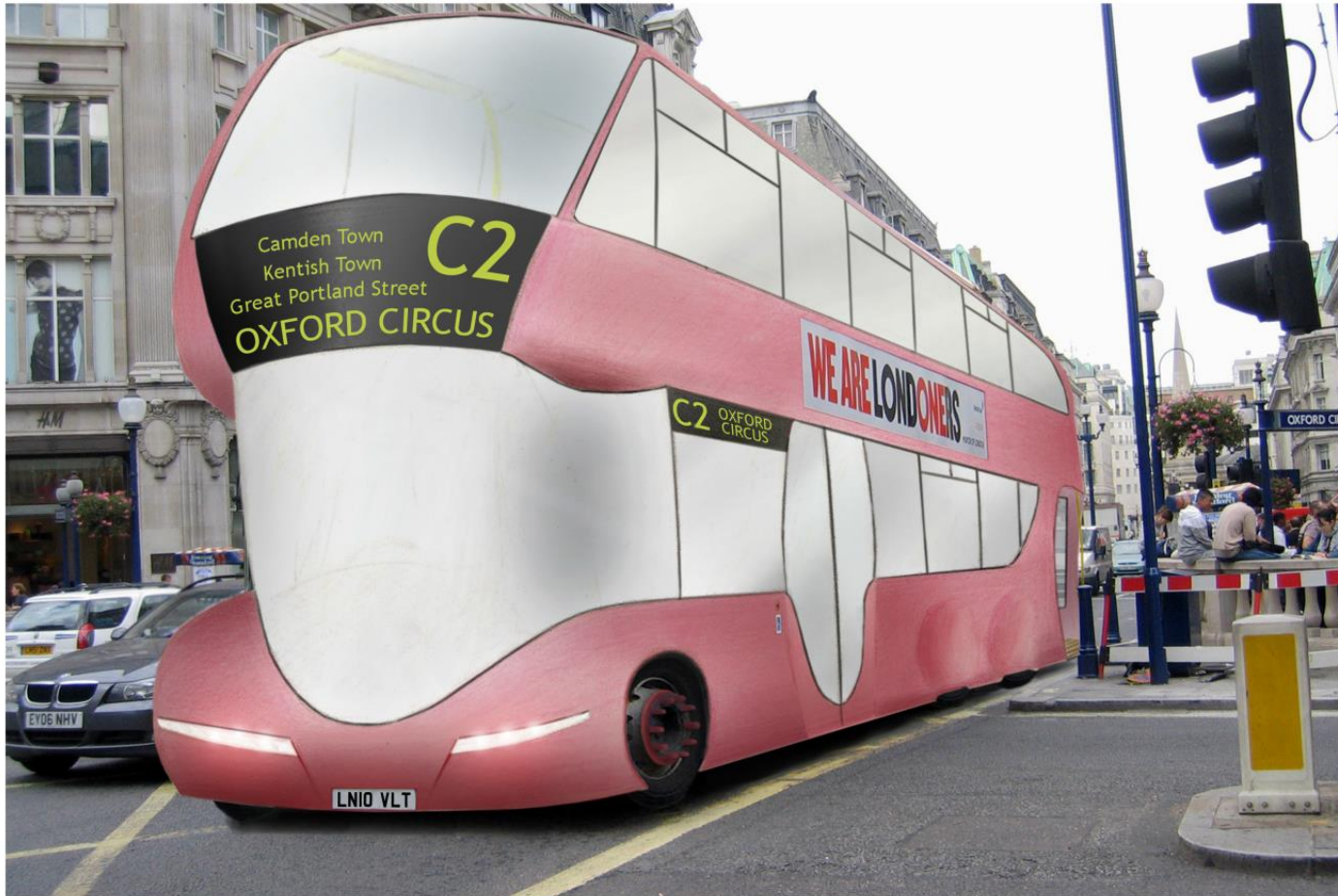
Public competition



Cycle Hire Department Entry



Procurement & Contract



A NEW BUS FOR LONDON

Matt Belcher

Project Partners

TfL

Funding
Specification
Project Management



Wrightbus

Engineering design & development
Prototypes, testing & certification
Manufacture & production



**Heatherwick
Studio**

Overall concept design
QA oversight

Bus companies

Technical Solutions : Prototype New Routemaster



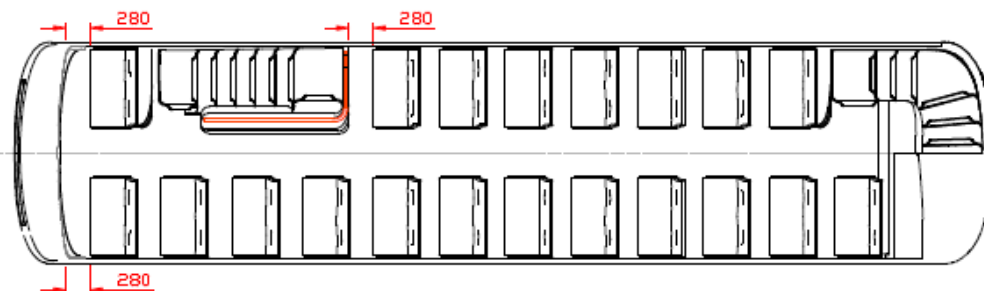
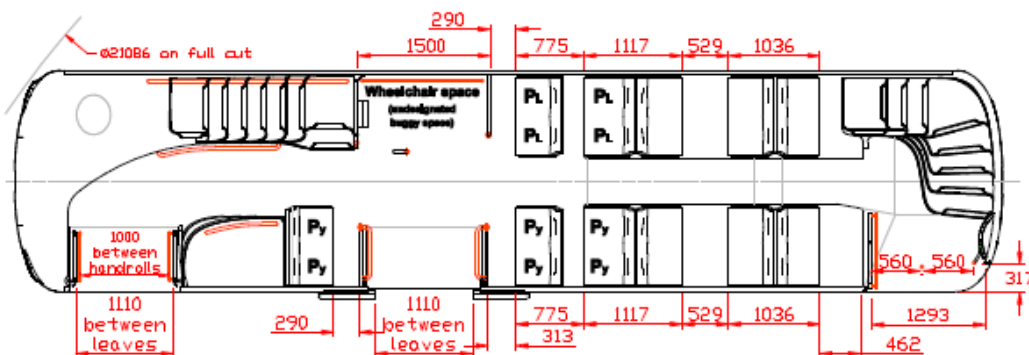
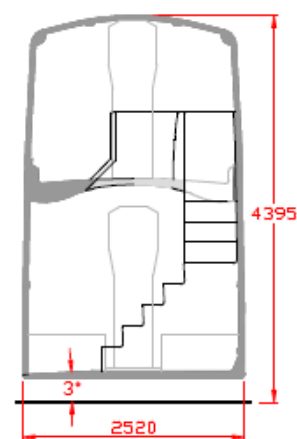
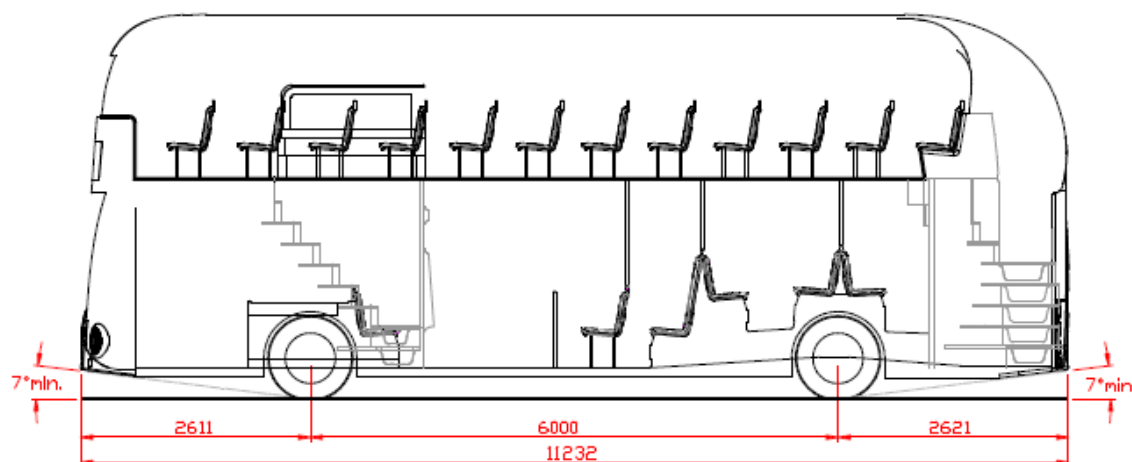
Emissions test comparison

TfL "route 159" test	CO ₂ g/km	NOx g/km	PM g/km
NRM target	750	5.00	0.030
NRM certified result (Euro V)	690	2.048	0.012
Avg. Hybrid (Euro V)	835	9.091	0.044
Avg. Diesel (Euro V)	1330	10.018	0.053

Wrightbus New Bus for London

SPECIFICATION LAYOUT
CUSTOMER DRAWING No. CUS-02328-1

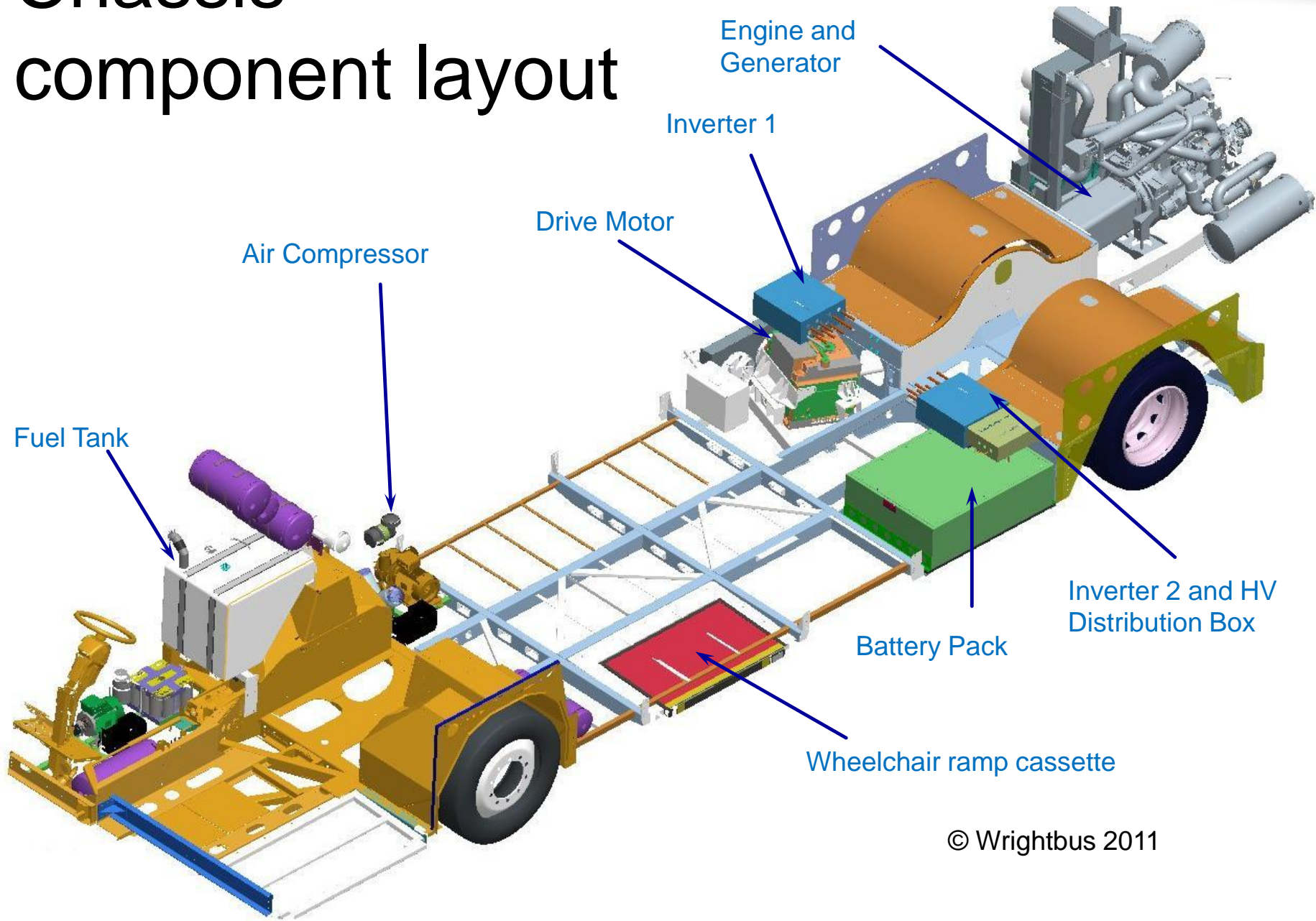
**Provisional drawing
Uncontrolled document**



P_p = Priority seat
P_p = Preferential seat

- Maximum Capacity ————— 87
- Maximum Seated ————— 40 Top
- Maximum Seated ————— 22 Btm
- Maximum Standees ————— 25
- Body Length ————— 11232mm
- Body Width ————— 2520mm
- Overall Vehicle Height (unladen) ————— 4395mm
- Wheel base ————— 6000mm
- Front Overhang ————— 2611mm
- Rear Overhang ————— 2621mm
- Entrance step height at door 1 & 2 — 315mm
- Entrance step height at door 3 — 330mm
- Aisle Width (between seats) ————— 590mm btm
535mm top
- Seat Manufacturer ————— TBA
- Seat Type ————— TBA
- Both decks to EC Regulation 107

Chassis component layout



Operations



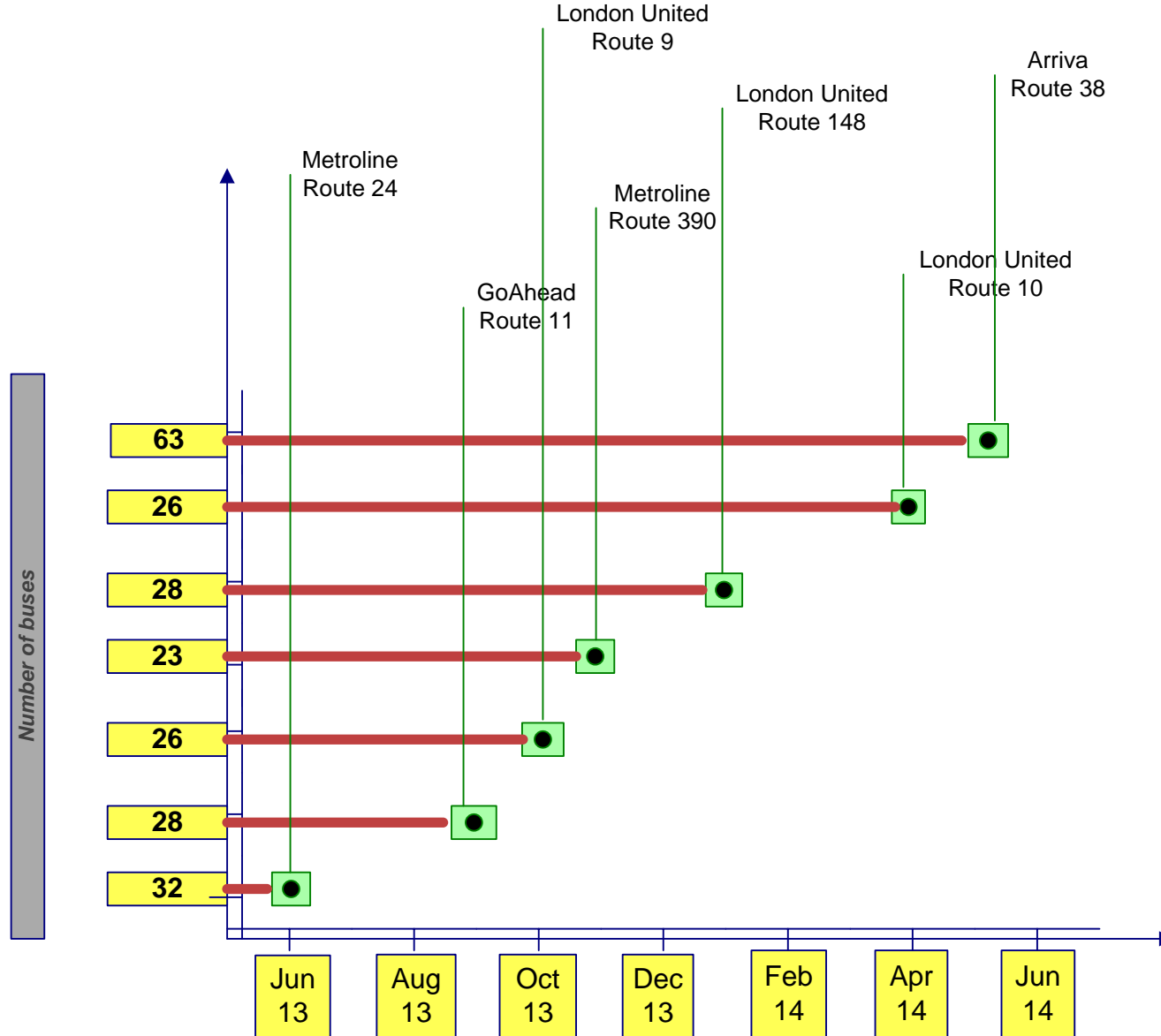
Operations



Operations



Passenger service

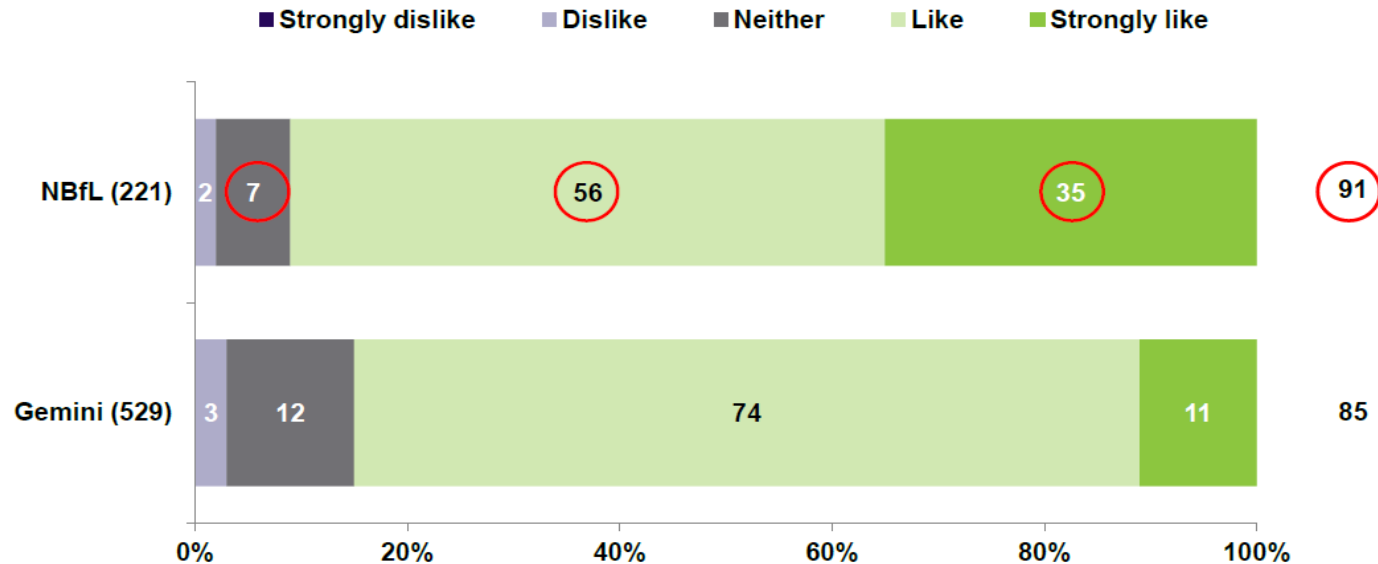


Passenger feedback

Overall design and environment of this bus

NBfL has 3 times as many customers saying that they “strongly like” the overall design and environment of the bus than the Gemini bus

Overall design and environment



A1. Firstly, thinking about the overall design and environment of this bus, would you say you like or dislike it?
Base: All (750)

Indicates a statistically significant difference



Objectives delivered?



Objectives delivered?





Any questions?