

# Ultra Slim Low Carbon

No tray table

Optimised passenger space

6.6kg PAX

Reduced part count and variants

Multitasking component sets for optimisation



### Reduced Operational CO2

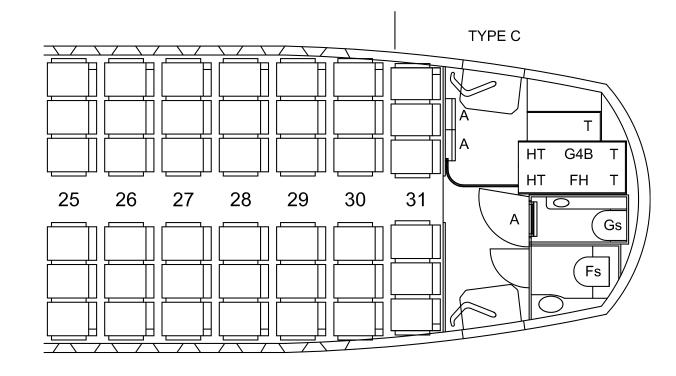
**34% Weight Reduction** on an Airbus A320 Shipset

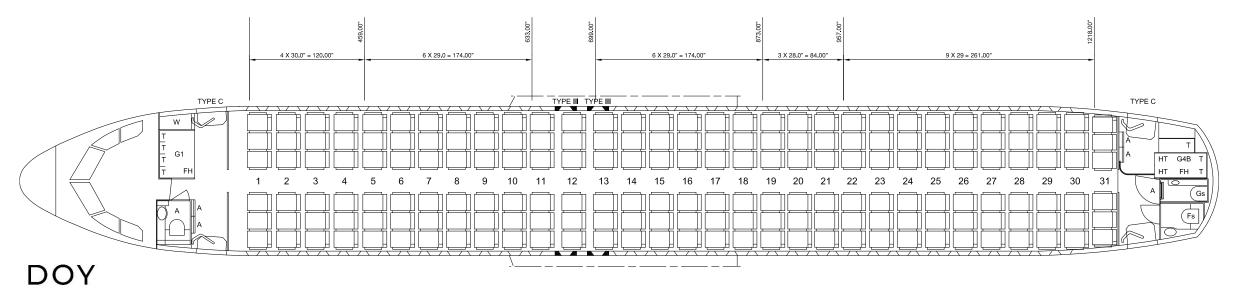
Baseline seat in a 186 PAX configuration is 1,875kg

Ultra Slim LC seat in a 186 configuration is 1,228 kg

Weight reduction: 647kg

Baseline Seat: PF3000 seat



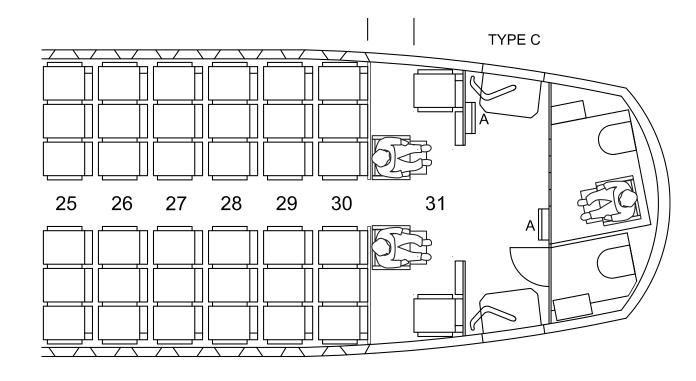


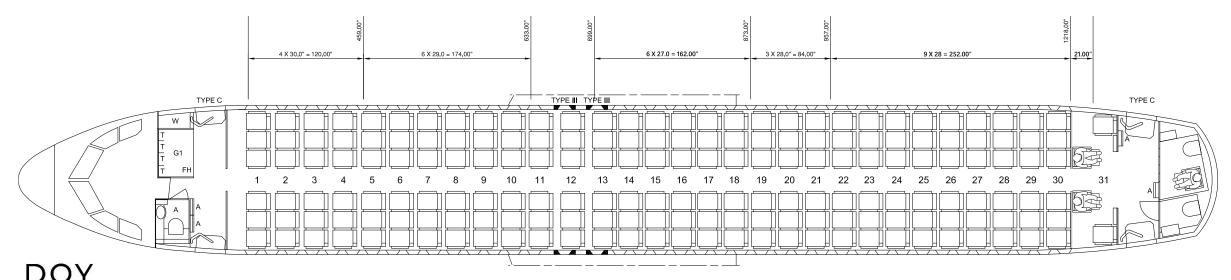
#### **New Sustainable Travel Class**

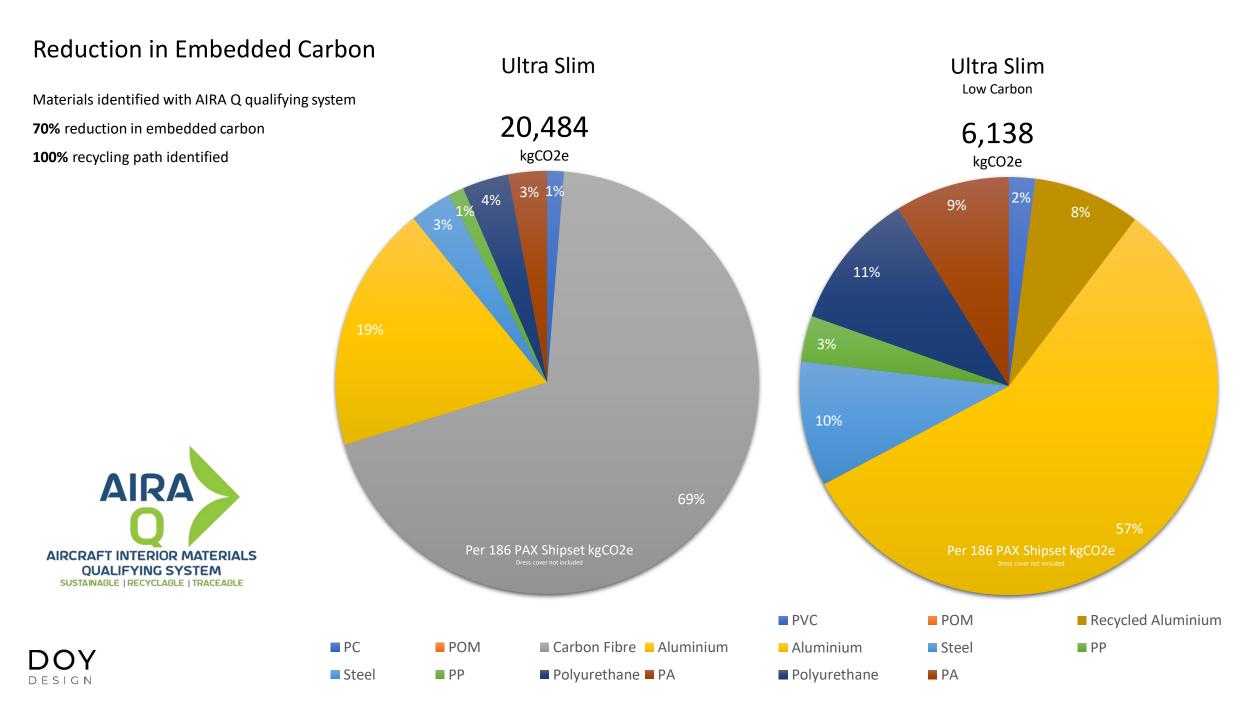
No tray table = No Galley = Opportunity

Full size PRM lavatory

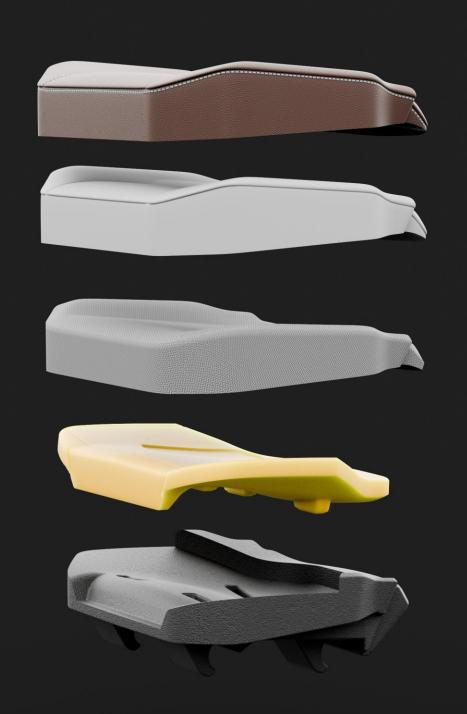
Versatile space for families/stretcher/additional luggage













#### Circular Dress Cover

Closed-loop, fully circular dress cover that can be completely recycled at the end of its life 100% of its material components can recycled using Gen Phoenix's technology platform Process proven on initial batch production and flammability tests passed New dress cover construction proven by SabetiWain Aerospace



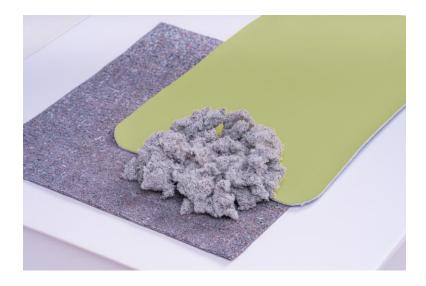












Post consumer scrap recycling

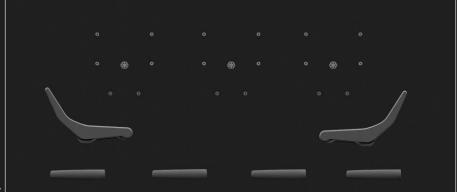




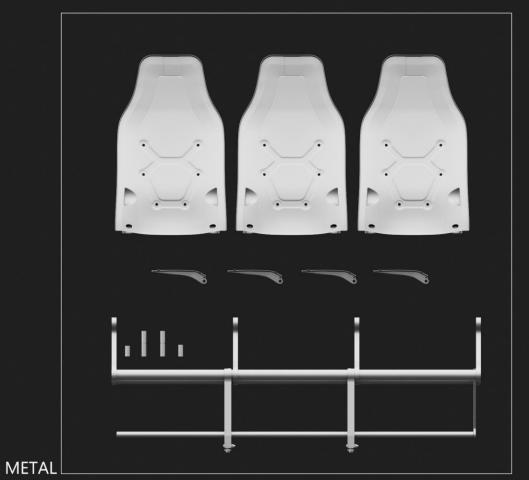




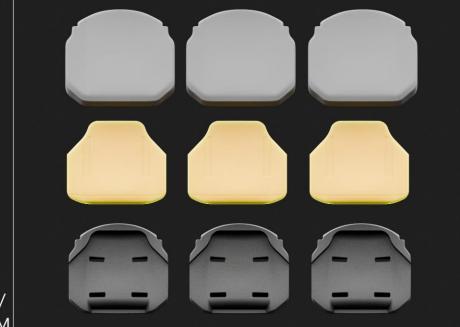
Recycling



PLASTIC







FIREBLOCKER / FOAM

#### Recycled Aluminium Seatback

Monocoque structure using Hot Form Quench (HFQ) Process

Single material assembly

Recycled 6082 aluminium proven process by Granges





Source: Aluminium Federation: www.alfed.org.uk



42%

Post Consumer Waste
electrical wire – close to
pure aluminum



27%
AA5xxx automotive
sheet scrap –
increases Mg content



18%
painted closure sheet ex-press
shop – difficult to recycle –
part of EU TURN 360° project –
increases Mn content



13% heat exchanger finstock scrap – clad so difficult to recycle in closed loop – increases Si content



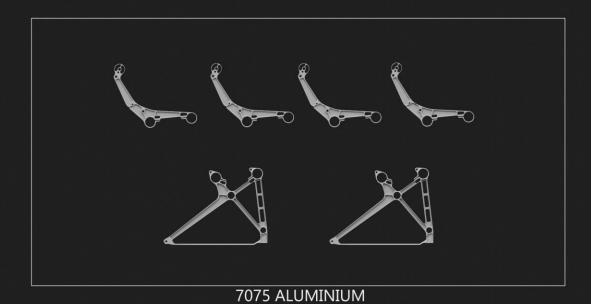


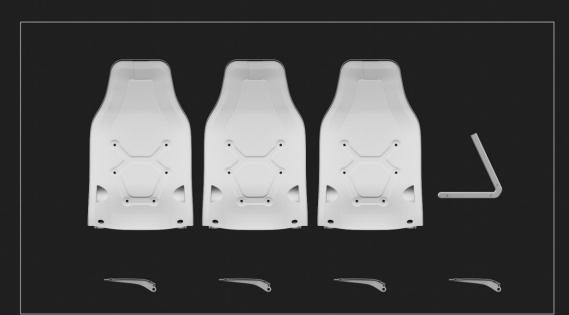


#### **HFQ Press**









#### 6082 ALUMINIUM

## Recycled Aluminium Seatback

