

SIEMENS MOBILITY SUPPLIER CASE STUDY

Baker Bellfield

Baker Bellfield supports Siemens Mobility to drive greener rail travel

Tube trains manufactured at Siemens Mobility's industry-leading facility in Goole will be greener, lighter and safer following innovative development by engineering partner Baker Bellfield.

As a key supplier, Baker Bellfield has provided cutting-edge interior and exterior components for major Siemens Mobility rail projects across the globe, including in the UK, Austria and America.

The family-owned manufacturing processes company operates from two factories in Telford, Shropshire, as well as a recently acquired third site in Sacramento, United States, and specialises in the design, engineering and manufacture of interior and exterior rail components.

Baker Bellfield has now been selected to supply the partition walls between the drivers' cabs and the passenger saloon cars for the Inspiro trains to be manufactured in Goole for London Underground's Piccadilly line.

With Siemens Mobility having a global target of being carbon neutral by 2030, Baker Bellfield's commitment as a responsible supplier of sustainable components was a key factor in the contract award.



Baker Bellfield Managing Director Jamie Baker said: "We are helping Siemens Mobility push the envelope when it comes to the use of recycled materials and integrated technology.

"Essentially, we are using a substrate manufactured from recycled plastic bottles in the partition walls, which will save 23 tonnes of carbon and reduce the overall vehicle weight. Siemens Mobility gave us their targets and we aim to run with those and exceed them."

The partition walls include a number of different sub-assemblies, including the driver cabin door and viewing window and emergency controls unit.

For this innovative approach Baker Bellfield received the Siemens Mobility UKI 'Responsible & Sustainable' Supply Chain Winner 2020 Award.

Baker Bellfield has spent 18 months designing and engineering the walls and is now working collaboratively with Siemens Mobility on other aspects.

Rob Wilkin, Business Development Manager at Baker Bellfield, said: "We were able to reduce the weight of the partition walls through ingenuity and innovation and Siemens Mobility have now asked us if we can do the same with other elements.

