

# Park & Ride Scheme

## Truro, Cornwall, UK



**Product:** ABG Sudsgrid 40 recycled plastic porous paving

**Application:** Gravel & Grass Filled Cellular Parking Bays - SuDS



Project Story

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Truro's population of 21,000 was expected to grow by a third in 11 years and there were fears about the level of traffic that the city would experience. A park and ride scheme was seen as the solution to averting traffic congestion. In its first year the Park for Truro park-and-ride scheme reduced the number of car journeys into the Cornish city by a massive 170,000. It is therefore succeeding in its aim to alleviate the growing problem of traffic congestion.

In a city with such attractive countryside on its doorstep the challenge was to develop a scheme that would serve its purpose but would also blend in with the surrounding rural landscape. The project team used Policy Planning Statement 9 as the foundation for its design approach, with the aim of achieving the highest standards of biodiversity and conservation. The design focused upon the importance of sustainability and enhancing/protecting the local habitat and landscape.

Planning limitations meant that surface water run-off from the site could not exceed pre-development levels. A big part of the response to this requirement was the installation of 1,800 parking bays using the Sudsgrid 40 recycled plastic porous paving system. Sudsgrid offers a cost-effective, robust and aesthetic solution where gravel retention is required in frequent-use applications and where source-control of surface water forms part of a Sustainable Drainage System (SuDS).

ABG's in-house geotechnical team also developed a site specific design employing their geosynthetics, enabling a 40% reduction in sub-base thickness. This equated to a saving of 2,500 m<sup>3</sup> of type 3 stone and a huge carbon footprint reduction as a result of the smaller number of HGV deliveries required.