



# Pain-free parking

## ► Smart Personal Parking eXperience (SPPeX)

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**Eight hundred cars are parked every second in the UK; with significant urban congestion caused by drivers trying to find parking close to their destination, there is an urgent need for more efficient use of parking spaces.**

Building on previous research concepts, the aim of the IAA-funded project was to develop a baseline prototype of the Smart Personal Parking eXperience (SPPeX) integrated IT system to pave the way for a commercial product. The resulting prototype uses proprietary sensing techniques to acquire and match driver location with accurate parking space occupancy data in real time, guiding the driver to an available or reserved parking space.

The vision is to fully automate the process of parking, from finding an available space to the payment of parking spaces, building in flexibility for users to vary their length of stay. This integrated parking solution

would enable parking operators to benefit from better utilisation of their parking spaces and reduced management costs.

An Innovate UK-sponsored feasibility study of the system has been carried out in Stockport town centre with direct support from Stockport Metropolitan Borough Council, and there are plans to run a small-scale trial of the SPPeX system in Guildford in the near future. Together with external partner Accelogress Ltd, the research team has now applied for further funding for prototype development and trial implementation of the SPPeX system.

