



TAC-GRID

Tactile crossing smart surface with
integrated beacon technology



Live Beacon

What is TAC-GRID?

TAC-GRID is a superior alternative to existing tactile paving surfaces, with integrated smart sensors (beacons) that transmit location-specific messages to nearby visually impaired users.





Tac-Grid® Co 2 emissions example

TAC-GRID® SYSTEM

Total m2 required		30				
Days to complete works	Reduction in days to complete works	Guarantee in Yrs	CO2 Rating	Noise	Dust	
1.5	4.5	3	Nil	Low	Nil	

TRADITIONAL TACTILE PAVING

Total m2 required		30				
Days to complete works	Increase in days to complete works	Guarantee in Yrs	CO2 Rating	Noise	Dust	
6	4.5	0	Med	High	High	

CO2 Emissions produced - TAC_GRID CO2 per sq.metre: 2.97 4g CO2 per litre: 502.5 CO2 Emissions in Tonnes per site: 0.5205	REDUCTION IN CO2 93.61%
CO2 Emissions produced - Paving CO2 Emissions in Tonnes per site: 8.25	

The CO2 calculation is for representative purposes only. It is intended to provide an indication of the benefits of the system. Connor Specialist Paving Ltd is not liable for the operational methods used and used within your business and as such after these calculations as guide only. The CO2 calculation does NOT include fuel for each hour site for the multiple vehicles involved in support conventional paving.



What is TAC-GRID?

The surface: Rather than traditional excavation, foundations, joining and cutting, **TAC-GRID** can be laid on top of existing surface (concrete, flags, blocks and tarmac) — dramatically reducing installation time, cost, complexity and environmental impact — while still meeting all safety regulations, being long-lasting and low maintenance



COVID-19 Application

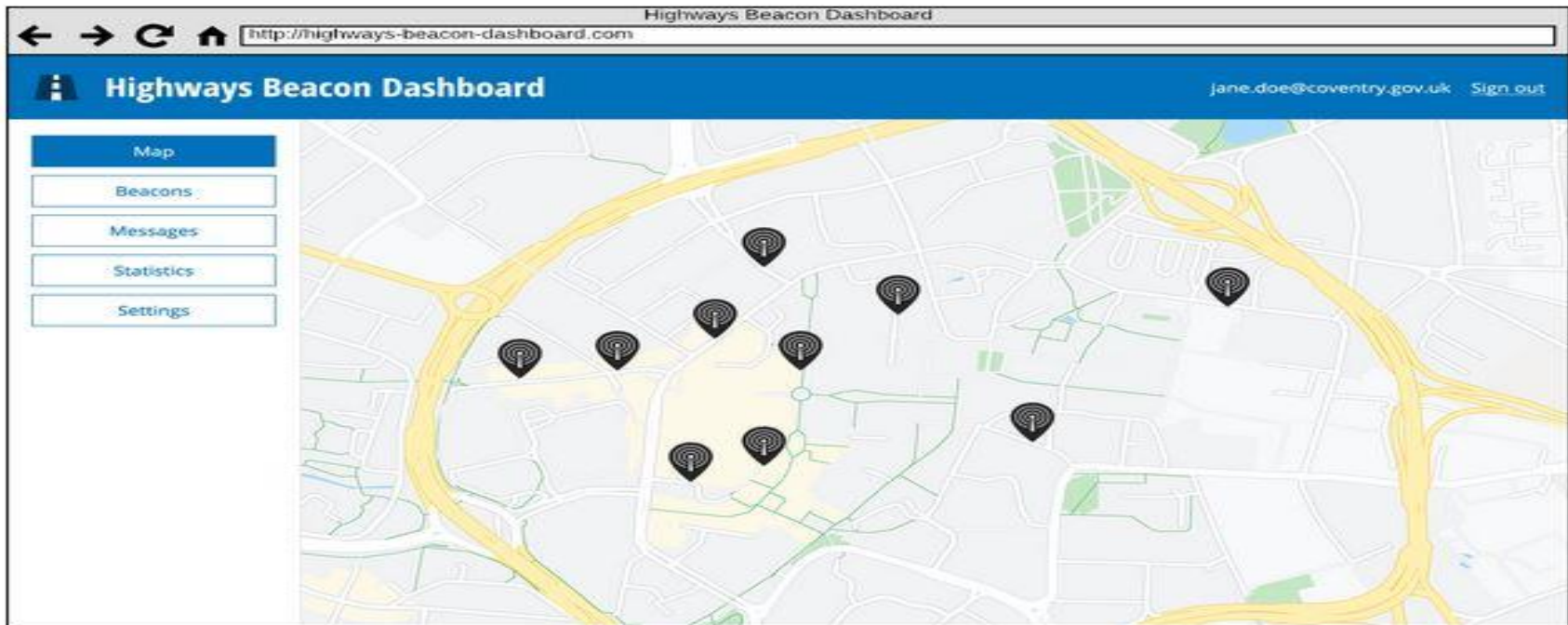
The government's mandate to install temporary cycle lanes will necessitate many hundreds of new or adapted crossings, so that pedestrians and cyclists can coexist safely.

The **TAC-GRID** surface is ideal to meet these unique needs as it can be installed quickly and with minimal disruption. It can be used for either permanent or temporary installations, and when the time comes the installation can be easily reversed.

This is also a great opportunity to fulfil the government's commitment to improving the independence of it's visually impaired citizens; by alerting them to the changes to their surrounding area, and helping to give them the confidence to resume their daily lives.







Integrated Beacon Technology?

The tech: Beacons installed underneath the tactile surface transmit location-specific messages to the smartphones of nearby visually impaired users — to alert them to the presence of the crossing and provide them with valuable information about the surrounding area (e.g. *'There is an uncontrolled crossing 10 meters ahead leading to Queen's Park'*).

