

Poole, UK

17 June 2015

### Siemens unveils new Heimdall Detector

Siemens extends its range of kerbside detection solutions this month with the introduction of a new Heimdall Kerbside Volumetric Pedestrian Detector.

Based on advanced above-ground radar technology, the Heimdall Kerbside Volumetric Pedestrian Detector has the capability to indicate how occupied the pedestrian waiting area is at any given time allowing the most appropriate kerbside strategies to be selected depending on the numbers of pedestrians waiting to cross. The new detector is particularly suited to areas of high pedestrian presence, such as shopping centres and entertainment and sporting venues.

According to Product Manager, Priscilla Boyd, Heimdall is an entirely home-grown Siemens product giving customers a simple and cost effective solution for pedestrian detection. 'Using advanced radar technology, Heimdall Kerbside Volumetric measures the occupancy of the detection zone. With zero, low, medium and high volume output categories, the new detectors can be used, for example, to increase pedestrian priority and reduce pedestrian waiting times when pedestrian numbers are high. Pedestrian priority can be reduced with lower occupation levels, with pedestrian demand cancelled in cases where pedestrians move away from the waiting area.

With kerbside and on-crossing pedestrian detection as well as SCOOT, MOVA, Stop Line and VA options for vehicles, Heimdall offers comprehensive and reliable above-ground detection at the roadside and is largely immune to changing environmental conditions, including sun, shadows, snow and fog. Heimdall has become a well established product in the UK and overseas markets, its ease of deployment and proven performance proving popular with users, as well as its compact form that ensures that unnecessary street clutter is minimised.

At the heart of each detector is a technologically-advanced planar radar antenna system and a sophisticated digital signal processing engine. Developed by Siemens, these incorporate patented features that enable Heimdall to offer excellent pedestrian and vehicle detection, count and occupancy performance as well as good 'gap' detection capabilities.

Unlike some vision-based systems, Heimdall's radar technology eliminates false detection due to light level changes and the effect of shadows and works equally well in both bright and totally dark locations. Similarly, the effects of fog and rain, which can severely affect the performance of vision-based systems, go largely unnoticed when Heimdall is deployed, ensuring the best possible performance of the road network, whatever the conditions.

Siemens was established in the United Kingdom more than 170 years ago and now employs 14,000 people in the UK. As the world's largest engineering company, Siemens provides innovative solutions to help tackle the world's major challenges. Siemens has offices and factories throughout the UK, with its headquarters in Frimley, Surrey.

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