




Form Ref: HSI-10	Independent Health & Safety Inspection – Blue Star Item	Version: 3.0 Jan 2017
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	Awarded for Exceptional Performance or New Initiative not widely used on other sites
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Project	Principal Contractor (PC)	Date of Inspection
A21 Tonbridge to Pembury	Balfour Beatty	15/06/17
Site Contact	Email Address	Telephone Number
Lorraine Brown	Lorraine.brown@balfourbeatty.com	07725 705515

Description of Blue Star Item	The site is developing Virtual Reality training for Plant Person Interface training. It fully immerses the individual into a virtual environment that they can walk around, and if they walk too close to a machine, an alarm and a flashing light goes off to notify them that they are too close. The site currently has a piling rig, an excavator and a crane in the training. As the A21 is finishing fairly soon, it is unlikely that they will get sign off to fully implement the system, but they are doing a lot of trials, innovation and development of the digital equipment that can then be used elsewhere on Balfour Beatty schemes. The A21 site has already used 360 degree cameras to improve workforce awareness of what it is like to be on site adjacent to significant activities, such as bridge lifts, and to give operatives an awareness of what plant operators can see from inside the cab.
Benefits of Blue Star Item	Virtual Reality being explored by the site allows the user to stand anywhere on site and see the services overlaid on the ground using information from existing drawings. It can help improve the planning of works and enable possible risks to be explored at an early stage. It can also raise awareness to workers who do not operate plant but do need to understand their capabilities and size.
Details and Cost of any Specific Product	The cost varies. Smaller VR headset can be as cheap as £10.00 but for the full virtual reality kits the price is over £1000 which includes the software.

Photograph

