BEST PRACTICE

LOCATION:	**Quarry**	**ARTICLE YEAR**	**2022**
ACTIVITY:	**Pedestrian and transport safety on-site**	**COMPANY:**	**Hanson UK**
SUB ACTIVITY:	**No Sub Activity Available**	**COMPANY LOCATION:**	**Ingleton Quarry**
BEST PRACTICE No:	**BP2174**	**COMPANY TEL:**	**0000**
COUNTRY OF ORIGIN:			

TITLE	Run Video

Proximity warning system (Site Zone)

ARTICLE

Topic 4 - Highly Commended

In 2019 Ingleton quarry had its static plant demolished as it was uneconomical to maintain. The site then changed to a mobile crushing operation with two crushing trains (Primary and Secondary). Following a risk assessment of the new production process (going from static to mobile plant operation) it became apparent that the existing controls for pedestrians were inadequate.

The mobile crushing plant is based in the centre of a small stockyard. There is regular haulier movement in addition to the two loading shovels and an excavator at all times.

Crushers and screens were moved out of line regularly for maintenance and to make cleaning up spillage easier. All this meant it was impossible to install suitable pedestrian walkways for our fitters, technicians, and anyone else who may be required to enter the working area.

Site Zone's proximity warning solution is used to complement other existing health and safety controls and in ensures that our employees and contractors have a safe working environment, whilst operating around the crushing plant and stock yard area.

Site Zone creates a 5-metre exclusion zone around our machines. If a transponder tag, which is worn on all pedestrians' helmets, is detected in the zone then the tag will vibrate. In the cab of the machine a red LED 'tag present' light will flash, and an alarm will sound warning both operator and pedestrian of their close proximity.

Site Zone will work through walls and around corners. Anyone that comes onto site at Ingleton now receives a Site Zone training video as part of the site induction and are given their own Site Zone Tag.

Please see the **additional pdf** for more information about the system and includes some images, please also watch the video.

ARTICLE IMAGES