

BEST PRACTICE

| | | | |
|--------------------|----------------------------------|-------------------|-------------------------------|
| LOCATION: | Construction/delivery site | ARTICLE YEAR: | 2006 |
| ACTIVITY: | Transport & Logistics / Delivery | COMPANY: | Hanson Aggregates |
| SUB ACTIVITY: | Mobile Plant | COMPANY LOCATION: | Bradford Unit, West Yorkshire |
| BEST PRACTICE No: | BP359 | COMPANY TEL: | 01274 606479 |
| COUNTRY OF ORIGIN: | United Kingdom | | |

TITLE

Inclinometer to prevent tipper overturns

ARTICLE

After several incidents of articulated lorries tipping over when unloading bulk materials at Hanson's UK sites, measures were introduced to address the problem. An inclinometer was fitted to a Hanson articulated tipper. The electronic sensor is attached to the trailer and detects lean, preventing the driver tipping if an unsafe angle is reached.

This original device was not sufficiently sophisticated, however, and was redeveloped to improve reliability and accuracy. Since the modification, drivers have expressed their views that the inclinometer has reduced the risk of overturning and has led to tipping areas which were previously regarded as 'border-line' being re-categorised as unsafe.

ARTICLE IMAGES

[Click image to enlarge](#)



Inclinometer