

People and Plant Interaction:





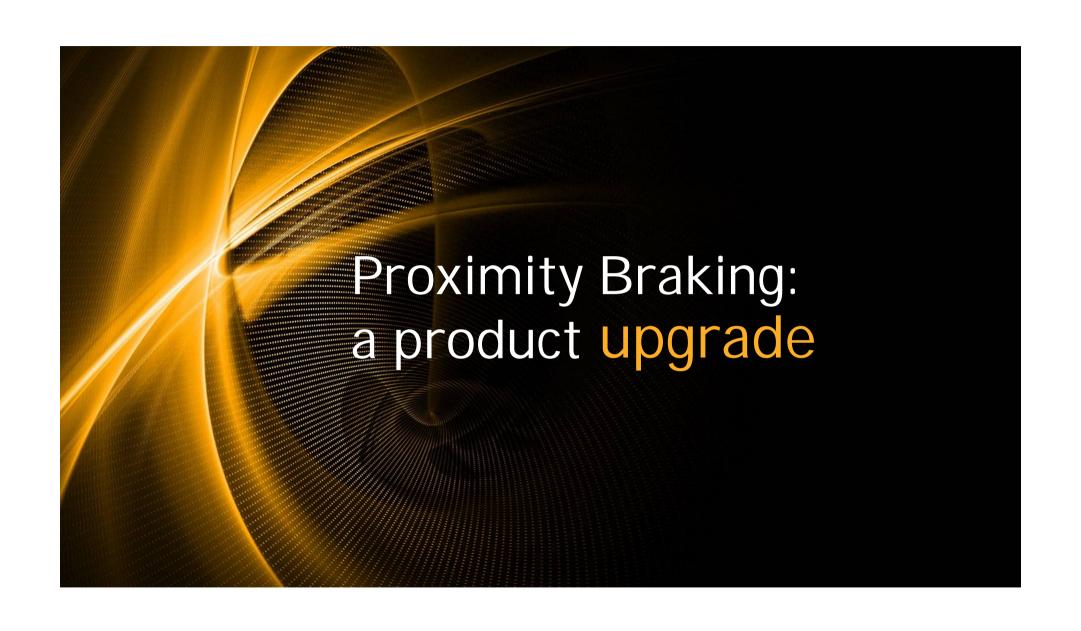
Charles Stevenson, General Manager – JCB London Office Thursday 7th September, 2017

Overview

6th Sense - Proximity Braking

Line of Sight - `Site` dumpers

The Mk1 Eyeball - Hydradig











Features Features



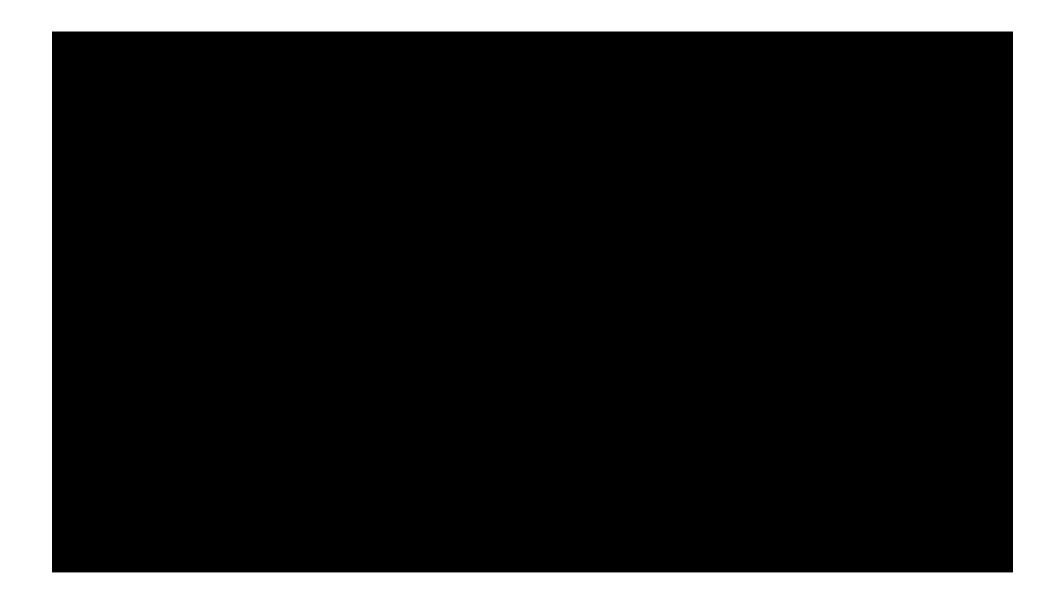


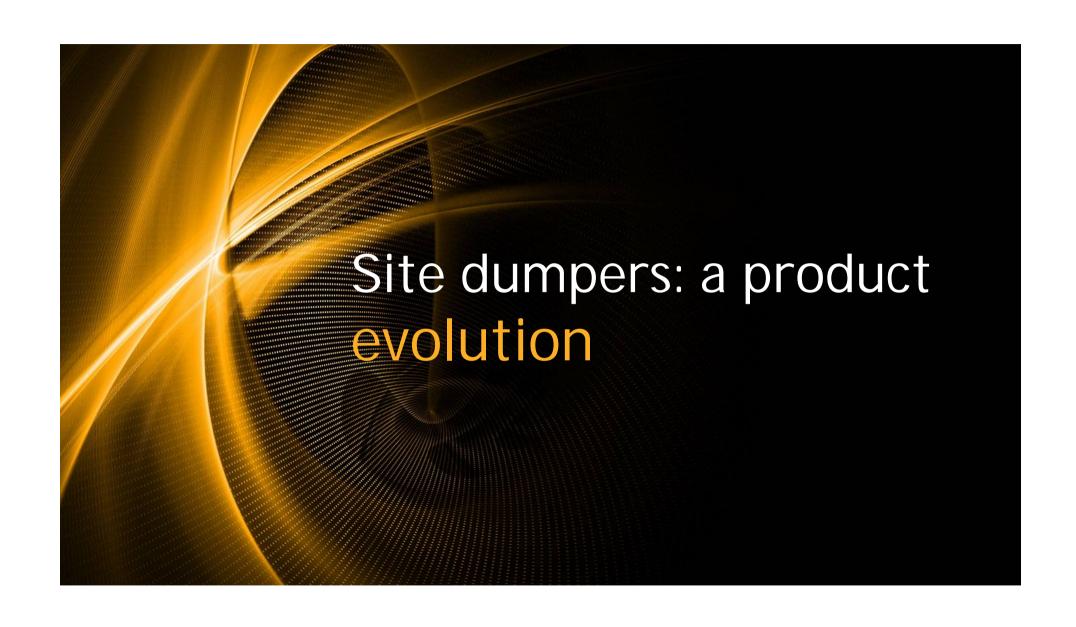


- Detection zone providing a 'bubble' around the machine,
- Vibrating transponder to warn the pedestrian,

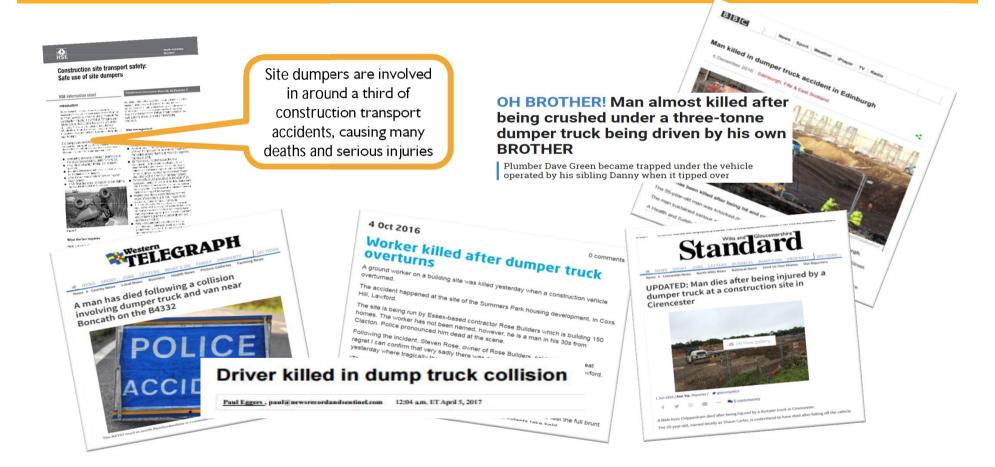


- Audible warning in the cab for the machine operator,
- Automatic braking to help reduce the risk of a collision.





Site Incidents



What is a typical site?





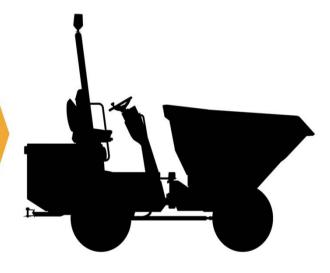




E Current options

6/9T

- Poor front visibility
- Unstable heaped
- Un-protected operator



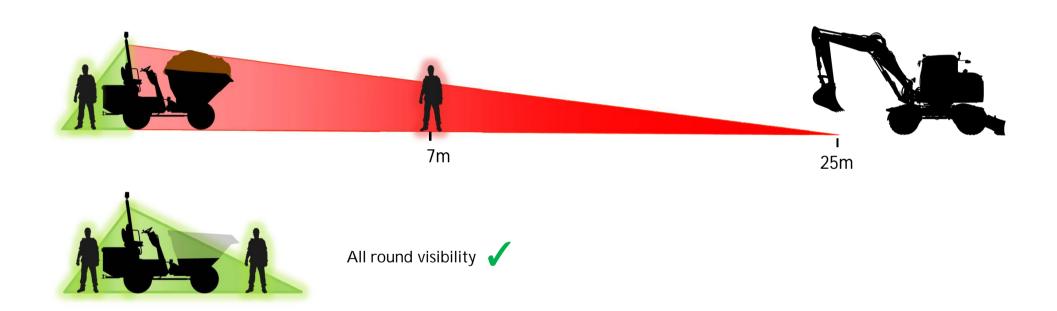
Site Dumpers Today – 3 Challenges



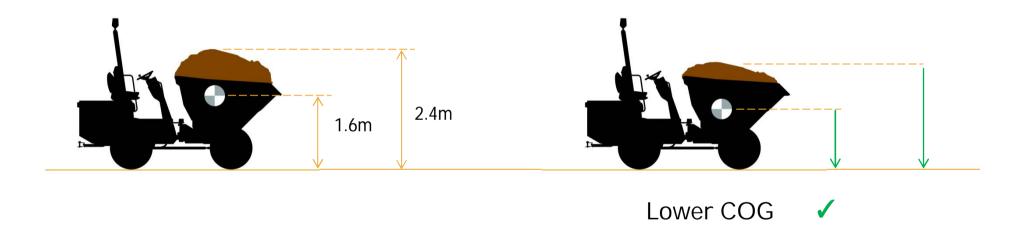




Forward Visibility Challenge

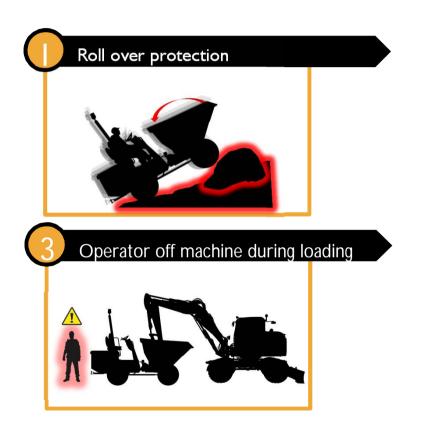


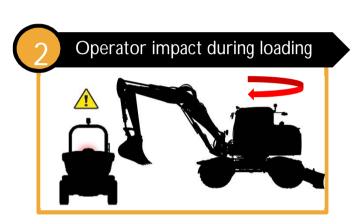
Stability Challenge



No loss in: Payload, Ground Clearance, Turning Circle

Operator Protection Challenge











Innovation checklist

- 1. Front Visibility •
- 2. Rear Visibility 🗸
- 3. Stability ✓
- 4. Operator Protection ✓
- 5. Maintain Ground Clearance 🗸
- 6. Maintain Turning Circle •
- 7. Maintain Simplicity 🗸
- 8. Maintain overall height 🗸
- 9. Three per lorry load •
- 10. 7t / 2m³ Liquid Volume ✓

7 Tonne Hi-Viz Concept







URBAN & CONGESTED sites are becoming increasingly complex



Customers need a highly mobile machine capable of:



DIGGING, LOADING, LIFTING, PLACING & MOVING MATERIAL

