

STRONGER THAN EXPECTED

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Merwedestraat 15 5347 KZ OSS The Netherlands Tel +31 412 697777

Award winning safety trailer

C&a

innovations

Special trailer manufacturer, Tinsley Special Products has unveiled its new "Safety Gard" fall prevention system for the transportation industry. The new system is intended to provide a practical solution to prevent falls from trailers during loading and unloading, an area that is increasingly being looked at by Health & Safety professionals due to the relatively high number of injuries from such falls. Not to mention the need to comply with the 2005 Work At Height Regulations.

Designed and built at the company's fabrication facility at Eaglescliffe, Stockton-on-Tees, the system is designed to be installed on a trailer

A single winch on either side tensions or releases the cable 'guardrails'

The system uses a number of lift-out posts that can normally be left in place when loading and unloading by crane, when using a regular fork truck, the cable 'guardrails' can be slackened with a single hand operated winch for each side of the trailer, allowing one or more posts to be removed and dropped. Once the trailer is loaded the post can be replaced and the cables re-tensioned in seconds. A built-in telescopic inclined ladder with grab rail is located at the back of the trailer allowing safe and easy access to the trailer bed.

The initial system was developed with the assistance and support of Ainscough Crane Hire which, presented with increasing risks to drivers working at heights and requests for 'Safe Working Platforms' from a number of its key clients, employed Tinsley to find a way to embrace the regulations and HSE requirements, providing solutions to on and off site loading and unloading. After several brainstorming sessions and design meetings a prototype was built and tested before being subjected to Ainscough for its input and feed back, which provided valuable insight along with further testing and evaluation on one of its trailers.

The key parameters of the programme were to design a product that:



The Tinsley fall prevention system is simple, easy to install and use



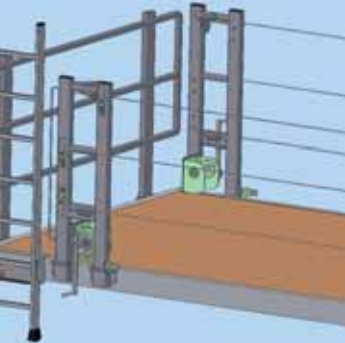
An inclined ladder provides easy access to the bed

- Would work with both special and standard trailers
- Was easily deployable at ground level
- Whose cost that is not prohibitive to the application and market
- Is simple and quick enough to deploy so that drivers will use it every time

While the initial product, already installed on a number of special counterweight trailers, has been well received, the overall success of the product may not be fully apparent for several years, or until accident statistics are compared over a period of time.

Tinsley says that it is planning to develop a full range of 'Fall Prevention Systems' in order to assist operators and manufactures of various trailer types to comply with the Work At Height Regulations 2005".

The product has already received one accolade, winning the ESTA Safety Award of Excellence 2009 in Paris earlier this year.



with minimal modifications, while a range of option packages, have been developed to allow it to work effectively on a wide range of different trailers.

New pressure sensors for new directive

Tecsis has launched a new range of pressure sensors that it says will help manufacturers comply with some of the new requirements of the amended EU Machinery Directive 2006/42/EC which will need to be complied with from January 1st 2010.

The new pressure P3375 sensors fulfil SIL-2 according to IEC 61508

and Category 3, performance level 'd' of ISO 13849-1 and can therefore be used in mobile hydraulic applications within the new directive. The sensors feature internal redundancy of the pressure measurement and two independent outputs suit applications requiring extra safety measures. All external parts are made from stainless steel,

making the sensor suitable for applications in hostile environments. The sensors are sealed to class IP67 - while IP69K is available as an option. All mechanical parts can withstand shocks up to 500 g and vibrations of 20g .

The pressure sensors are available with ranges from 0...60 up to 0...1000 bar.

One of the new Tecsis P3375 pressure sensors



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