

See videos at: [www.inrailsafe.co.uk](http://www.inrailsafe.co.uk)



RSS Magnetic Safety Barrier is a patented system and meets the safety requirements of the European standard EN 13374 class A.

Approved **PA05 05085**

## How does the Magnetic Safety Barrier Gate work?

Erecting the system is a matter of a few steps:

- ❖ Erect the first stanchion by inserting the magnet into the web of the rail
- ❖ Click the next stanchion into the web of the rail at a distance of about 1.2 – 1.4m meters
- ❖ Place the GRP Safety Gate over the handrail tubes as shown in the diagram.
- ❖ Repeat the steps above until the entire length of the working area has been secured and there are **NO PERCEIVEABLE GAPS!**

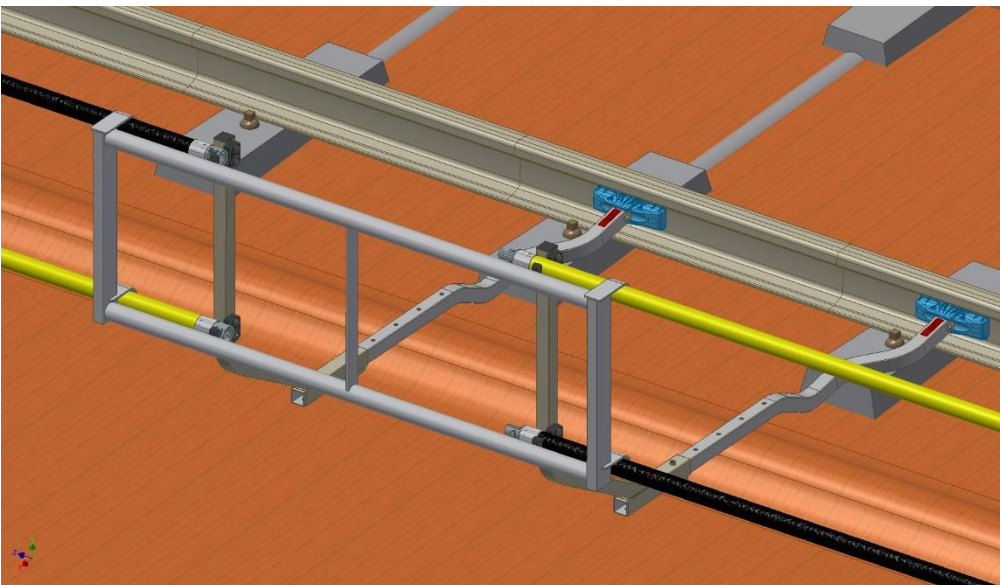
Dismantle in reverse:

## The Magnetic Safety Barrier Gate when working on the track

Employees that perform engineering work on the track must be able to work in total safety. A fence needs to screen the area being worked from the track on which trains are still running. However, the current Network Rail Rule Book states "there should be a gap in the Barrier every 40m, to provide an escape exit". The latest European Standard on Edge Protection (EN 13374) does not concur with this edict and states that Safety Barriers should be continuous. The method of escape should therefore follow the mnemonic 'OUT' (**O**ver, **U**nder, **T**hrough) and the Safety Barrier should be designed accordingly. The RSS Safety Barrier conforms entirely to all aspects and requirements of the EN Standard.

However, some PICOPS and COSS's wish to retain the gap and so we have produced an easily installed and easily removable gate system.

- ❖ The RSS Railway Safety System has been tested by HHC/DRS Inspecties B.V. and certified to EN 13374 (Class A), the industry directive RLN0077-V004 July 2010 and the Health & Safety regulation 3.16 of The Netherlands Ministry of Social Affairs & Employment



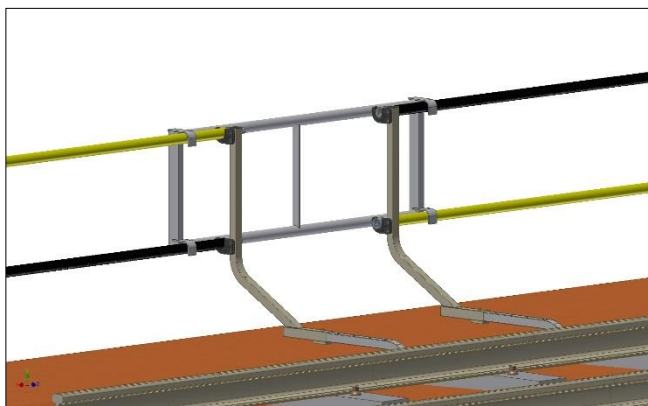
## Magnetic Safety Barrier wins Rail-Tech Europe Innovation Award 2011 Sustainable fence system with magnet voted most innovative product



AMERSFOORT 30 March 2011

At the Rail-Tech Europe 2011 trade fair in Amersfoort, the **Europe Innovation Gold Award 2011** was presented to Mr Jan Bakker, CEO of Rail Safety Systems (RSS) in Venlo.

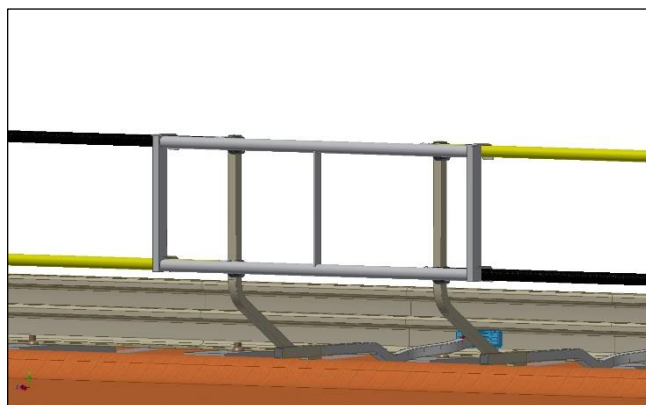
*The RSS Safety Barrier also won two awards at **Railtex 2013**:  
Best Product contributing to Health and Safety  
Best Track and Infrastructure Maintenance Product*



### Benefits of the Magnetic Safety Barrier

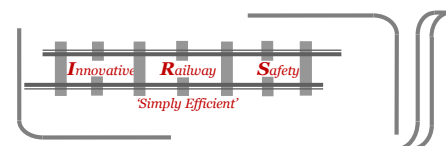
The RSS Railway Safety System consists of only two components

- ❖ The RSS Railway Safety System has been tested by HHC/DRS Inspecties B.V. and **certified to EN 13374 (Class A)**, and is **approved by Network Rail PA05 05085**
- ❖ **No loose** components
- ❖ **No tools** needed
- ❖ **No danger of damaging underground signalling cables**
- ❖ **Allows tamping & ballast cleaning** to continue whilst in-situ
- ❖ **Safe, simple and light**
- ❖ Simple, safe and fast assembly/disassembly, with a simple magnetic attachment to the web of the rail, with **no requirement to remove or replace ballast**
- ❖ Very fast build time and thus a **major saving in working and possession costs**
- ❖ Very **strong magnet** (tensile force up to 600 Kg/N)
- ❖ **Easy dismantling** with one arm movement
- ❖ **Does NOT affect track circuits or Axle counters**
- ❖ **Can be used in areas with S & C**
- ❖ Can be **used in freezing temperatures** (to -20°C) **when ballast is frozen.**
- ❖ The patented **Magnetic Safety Barrier is easy to use and will therefore, be used!**



*Exclusive GB & Éire Agent:*

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