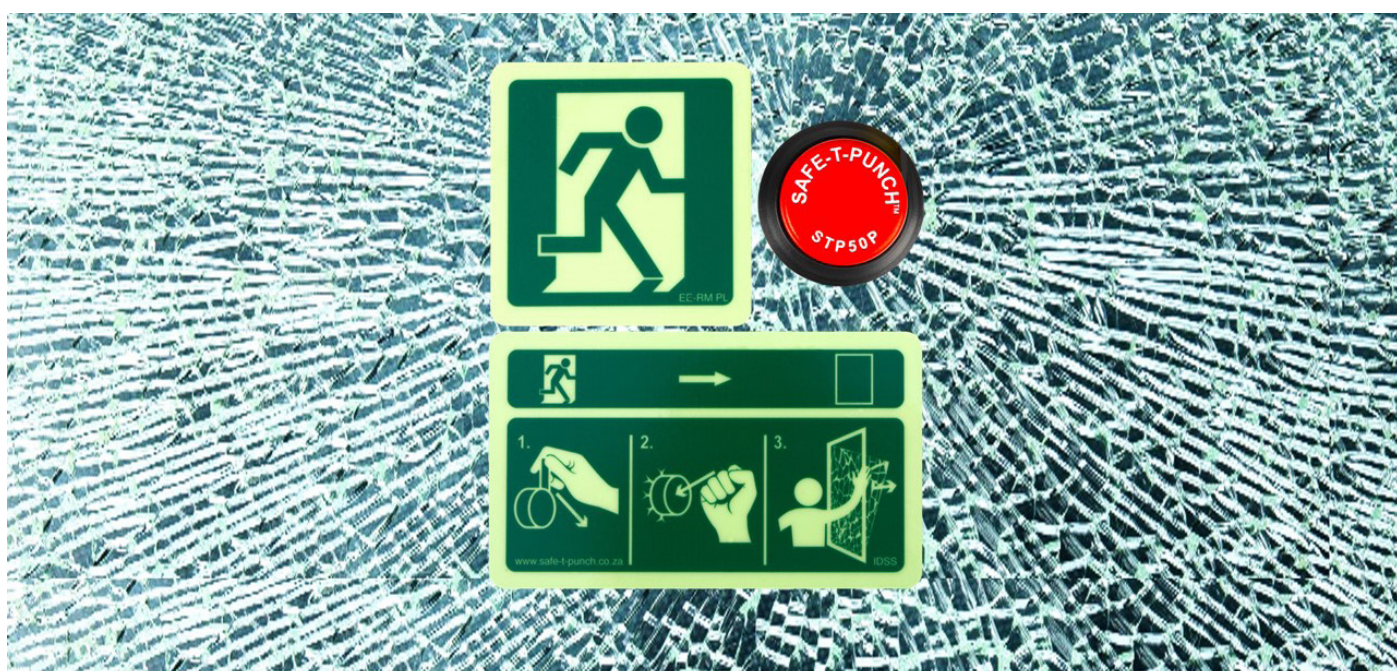


SAFE-T-PUNCH

An Innovative Way Out



Passenger transport is a critical component of any modern society. While boarding a train is controlled – ‘Mind the gap!’ – there are times when an unscheduled disembarking is of life-saving importance. For this, we have a service door and emergency exits.

The need for emergency exits is classified as a risk of low probability with high consequences. SAFE-T-PUNCH™ is designed to decrease this risk for the rail passenger and operator. It is a tried-and-true, homologated technology that is ready to use off the shelf.

Generally, innovation can be stifled within the rail industry due to the inhibitive costs of in-house R&D

with comparatively small opportunities for returns on investment.

Innovation in the electronic monitoring industry is inevitable. Its widespread uses will cross over to many industries as AI and the Internet of Things progress. However, it is experimental and carries many concealed risks inherent in its complexity. Although brilliant, helpful and even necessary, total reliance on such systems, which are often autonomous, is challenging when needing to guarantee the safety of people with certainty.

Prudence dictates that experimental development and passenger safety be maintained separately and not co-dependent.

Concise scientific and repeatable safety takes precedence through occupational health and safety. It



is not uncommon that the absence of standards often causes inaction by its conscripts. Self-regulation can turn into no regulation.

Proven technology that ensures functionality is the minimum requirement to decrease known risks.

Accepted preferential practice is for emergency equipment to be analogue closed mechanical systems or devices. They should ideally contain no batteries, explosives or springs and should be simple, sophisticated and free from complexity when used.

Unattended public service is essential to the emergency window's success. It must be free from training requirements and robust to withstand curiosity and tampering.

A delicate and detailed understanding of an emergency exit operating environment ensures correct design instruction, resulting in an intended and successful predetermined outcome. This is SAFE-T-PUNCH™.

The reliable and repeatable yardstick is science for guidance in generating such a device. It must be reduced to numbers and test methodologies that are unbiased, transparent, peer-reviewed and repeatable.

The quality of such equipment is only reliably repeatable when strict independent audited certification is applied to its conformity of production. ISO9001:2015 is the industry methodology by which conformity in output is controlled and ensured to the satisfaction of the competent authority.

Guidance can be obtained from the bus industry, which has been regulated for many years and has successfully deployed its requirements in the public arena.

Toughened safety glass train windows will remain with us for many years. They are made from a standard-understood material. Glass science and test methods are confidently transferrable to many other industries. Their use as breakable emergency windows is homologated when fitted with a tested glass-breaking device with known capabilities.

True safety innovation considers all of the factors above and is not subject to arbitrary distractions, conveniences or economics. Its objective remains singular: to achieve a desired outcome that serves people's best interests in an emergency. It must provide them with an ensured emergency exit using an approved scientific device to break the standardised toughened safety glass window pane of appropriate size and location and advertised using accepted standards as a life-saving emergency exit.

Because trains qualify as passenger transport, they must include the standard safety requirements of competing industries. Rail regulations lack clarity concerning the sustainable safety of passenger emergency escape provisions from trains.

It is proven that any portable item in a train cabin will have a high chance of being removed, misplaced or stolen. Portable tools such as hammers are not only subject to these risks but can directly endanger the safety of others. They are considered harmful

items that should not be left unattended in the public domain. Escape hammers are threatening and can inflict serious injury to others during a criminal act of mugging, assault or robbery.

There are shortcomings when using tools when the application calls for a device. Under these circumstances, tools do not conform to the requirement to be failsafe as it depends on operator training, skill and talent and can be interpreted as discriminatory towards women, the young and the old, or the capabilities of any person in an emergency. When contemplating the requirements of an emergency window, it is clear that these safety structures found in the public domain must be treated with respect and diligence.

SAFE-T-PUNCH™ is equipped and capable of taking responsibility by providing branded, state-of-the-art scientific devices that satisfy a maze of regulations. PLR Distribution Pty Ltd. maintains audited and certified ISO9001:2015 quality and consistency to the satisfaction of international competent authorities.

Its product, SAFE-T-PUNCH™, is homologated and certified as suitable, adequate and effective. It ensures compliance with the requirements for an emergency window glass-breaking device.

Safe-T-Punch™ serves all equally and provides safety by being permanently installed in its place of operation. Installing is as easy as peeling and sticking. It is secured



against accidental activation with simple 3-step photoluminescent operating instructions. With a low profile and exceptional adhesive strength, removal by bare hands is impossible.

Innovative, modern monitoring of passenger cabin spaces is vital to prevent train vandalism and ensure passengers' safety and well-being. This further benefits the use of SAFE-T-PUNCH™ glass-breaking emergency window devices, which are externally monitored by CCTV systems as an additional deterrent to vandalism. SAFE-T-PUNCH™ is the regulations personified. Continual improvement over many years has culminated in an elegant and sophisticated life-saving device.

www.safe-t-punch.co.za

SAFE-T-PUNCH™

