

|| TESUCON BV - The Evacuator®

the challenge

In case of a fire, or any other emergency situation, every second counts, especially when working at height. In panic situations, instinctively everybody wants to go down as fast as they can.

The Evacuator®, which is a fire-proof and panic-proof collective evacuation escape descent system is the World's first and only Click On and Go system at heights, preinstalled and fixed for immediate use and allows a crane operator(s) or a maintenance team to escape within 10 seconds!

The fully automatic system is entirely based on simplicity, common sense and human instinct. The procedure has only three steps: take the hook, connect to your harness and leave your platform.

Compared to the current systems used in Harbour cranes or other height constructions, the procedure consumes too much precious time. The people need search for their rope-based rescue set, open it up, unseal the vacuum bag, (need to remember how to) prepare the rescue system, connect the system to the correct anchor point and are finally ready for the escape. By pre-installing the Evacuator® all human-risk factors (as just mentioned) are eliminated and...

Multiple people can descend at the same time with a maximum load of 564 kg.

The system is installed for 30 years lifetime, does not need to be replaced in the meantime, is maintenance friendly, and has lower cost of ownership of your current rope based rescue equipment.

Just click on and go!

the innovation

The Evacuator® is a pre-installed and fixed evacuation descent system, developed and produced in the Netherlands. The Evacuator® is installed behind the cabin of the operator, or a platform which is easy to reach. Two escape hooks are hanging ready for immediate use in case of an emergency.

- The Evacuator® is fireproof up to 30 minutes at 1,750 degrees Celsius and up to 90 minutes at 1,290 degrees Celsius.
- Panic Proof, instinctively simple to use, connect harnesses on preinstalled hooks, open hatch or climb over barrier and start descent.
- Escape-procedure within 10 seconds.
- With a fully automatic descent, 1 m/s.
- The steel cables, cannot burn, melt or get tangled.
- Safe descent at all wind speeds.
- Always there where you need it, immediately ready to use.
- No time consuming preparation, just click on and go.
- No electrical supply required

- Multiple personnel can descend at the same time, max. load system 564Kg. (Max. load 282Kg per hook/reel).
- In case of acute health problems/cardiac arrest a person can be safely on the ground within the 6 Golden minutes.
- Can be done with 1 hand (in case Injury has been sustained to other hand).
- Maintenance friendly, visual inspection and system-test, approx. 15 minutes/year.
- Long Lifespan >30 years.
- Certified by DEKRA Germany EN341, in compliance with ANSI Z359/CSA Z259.

Escape/Evacuation from height within 10 seconds! In case of a fire, every second counts.

how it was implemented

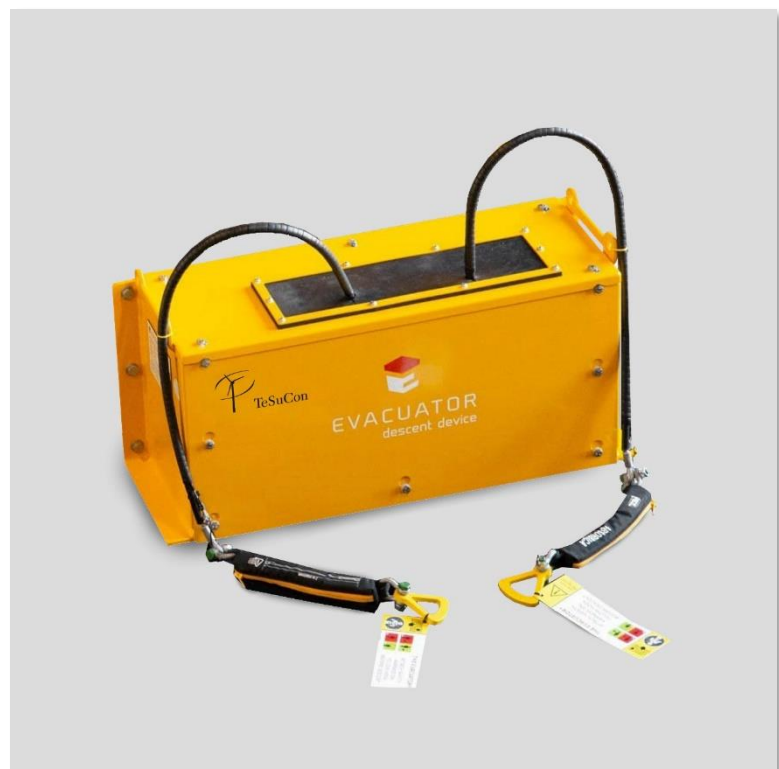
The Evacuator® is bolted onto the platform, for example behind the cabin of the operator or to any deck or platform that is suitable to use for the escape. The steel box weighs 150kg and is a standalone system that absorbs any potential bending forces that could occur during the descent.

The Evacuator® can easily be retrofitted to any (harbour) crane or any other height construction, where an evacuation system is required.

Steps to install the Evacuator®:

- A pre-inspection defines that best location of the Evacuator® unit
- An installation proposal is prepared for the owner and OEM, which contains the installation technical details
- Certification of the installation, if required

The operator or service/maintenance team get a training in one of the dedicated Evacuator training centres. By just experiencing the descent, the operator can easily remember the procedure: just click on go. Experiencing the escape with the Evacuator® will let the operator 'feel' the difference, in speed and safety, compared to the current rope-based rescue systems.



result

Today we are installing the Evacuator® in the global wind turbine industry and by participating in this innovation in safety award, we would like to introduce our innovation also to the global freight supply chain.

*conclusion*

Safety is everybody's highest priority. But if it really comes down to the practical part of a simple, fast and safe descent evacuation, the Evacuator® is the only system in the world, that has your operator(s) or maintenance team ready for their escape within 10 seconds!

Feel welcome to join our Evacuator Experience days and experience it yourself.

More information about our experience events, installation projects and other (technical) information is available on our website, <https://tesucon.nl/evacuator/> and on our Tesucon-account on LinkedIn, <https://www.linkedin.com/company/tesucon-bv/>

Feel welcome to watch the video:

<https://www.linkedin.com/feed/update/urn:li:activity:6942429272942764034>