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**EGOpro SAFETY ANTI-CRUSHING**  
Managing dangerous zones around machineries.  
Aid to Safety



## EGOpro SAFETY ANTI-CRUSHING

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The EGOpro Safety Anti-crushing system is manufactured by Advanced Microwave Engineering to aid the safety of personnel working near to or on dangerous machinery. In many industrial areas there are potential dangers from presses, conveyors and cutting machines etc. that if not correctly guarded will put at risk the workers lives. The EGOpro Anti-crushing system is the solution to this potential problem as it allows workers to move around the machine safely but can be programmed to apply an emergency stop to the machine once the worker enters a pre set danger zone.

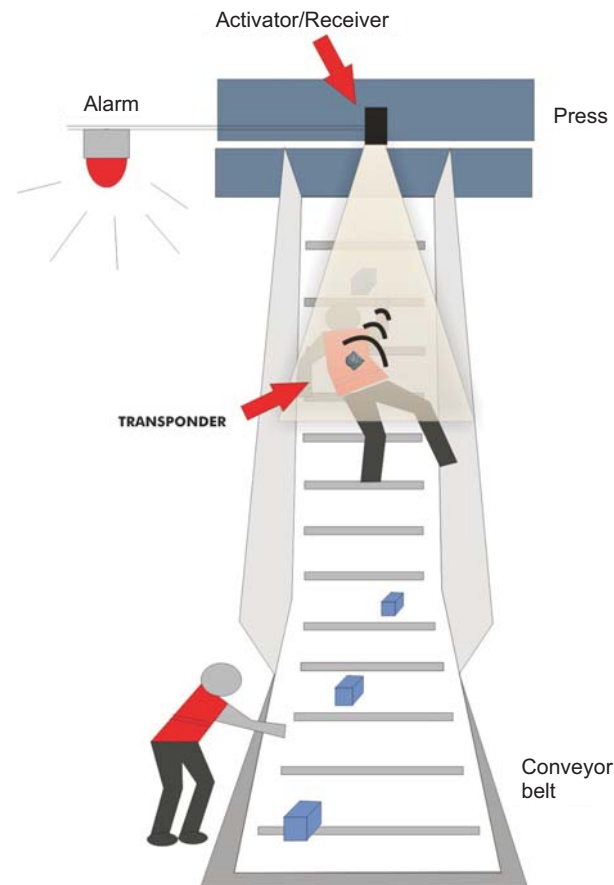
### How it works

The EGOpro Safety Anti- crushing system is made of only two components.

**Sensor/receiver :** installed on the hazardous machinery to identify any personnel that enters the pre set danger area.

**Active transmitter tag :** worn by all personnel on a suitable part of their safety clothing in a position that gives the best coverage to be "seen" by the sensor.

As soon as the transmitter tag enters the activation zone, this means that the worker is in the hazardous area, the system sends a signal to an audio and visual warning station and can also be programmed to stop the machine to avoid serious injuries.



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Trespassing within the safety area will be a prohibited behaviour which the workers must be made aware of. However sometimes the workers could find themselves within this area by accident or as a result of illness or injury. The EGOpro Safety Anti-crushing system has its own alerting device and can be interfaced with the machines PLC to apply the emergency stop BEFORE it is too late.



To allow the authorised personnel to check that their transmitter tags are working correctly it is possible to have "check points" which will show a green light for "ok to proceed" and will activate the EGOpro Safety Anti – crushing system at the start of the working day, only to those transmitter tags allowed to be in the particular dangerous work area. This function can also be integrated with the EGOpro Safety Access Control system and other applications of the EGOpro Safety product range.