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Redeem<sup>®</sup>

24 hour monitoring for radioactive material

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# Every day...



## Around the clock protection Redeem is your first line of defence.

In today's increasingly uncertain world the need for companies and organisations to have a developed security strategy has never been higher. The detection and management of radioactive material is now seen as central to such a strategy.

Corus, the international multi-metals company, has developed Redeem to provide discreet, continuous detection of radioactive materials. Redeem was originally developed by Corus research and development laboratory to prevent contaminated recycled metal from being delivered to its own sites. The reliable managed detection and response to this threat - at an affordable cost - was Corus's goal.

Following extensive system development Redeem is now installed at steel plants across the world.

Redeem is ideally suited for installation at access points to:

- 1 Mass transit systems
- 2 Cargo ports
- 3 Border crossings
- 4 High profile buildings
- 5 Mail handling rooms
- 6 Sports stadia
- 7 Public areas
- 8 Nuclear sites
- 9 Hospitals
- 10 Land fill and recycling centres
- 11 Contaminated land

One unit is capable of covering a large-area access point and can be integrated with other units for site-wide and perimeter security. Multiple units can be combined with containment and lock-down systems to secure an area in the event of detection.

Redeem is also available as a handheld device for security screening in confined spaces to pinpoint the source of radiation. The handheld device is also ideally suited for mobile and adhoc security requirements.



### Best practice

**Companies and organisations are responsible for the safe removal, transportation and disposal of radioactive material.**

Worldwide the number of 'orphan' radioactive isotopes has increased. The accidental or irresponsible disposal of any form of radioactive material is leading to increased anxiety for public health.

Recent UK and European legislation mean businesses and public bodies must adopt a more proactive approach to the monitoring of this hazardous waste

#### Waste Management

Legislation is driving industry to

dramatically reduce landfill tipping and increase recycling of waste as part of the environmental strategy. The number of recorded incidents of radioactive material being delivered to metal processing sites continues to rise.

All businesses must monitor waste for radioactive material as part of their waste management strategy.

#### Security

The same type of radioactive material used in 'dirty bombs' is

widely used in industrial and medical applications. Tighter security of radioactive isotopes in hospitals and industry must be considered to be a high priority. The key elements for real risk reduction are best practice combined with best available technology.

Businesses can protect themselves by installing Redeem at key locations which can detect radioactive material which is not inadvertently or deliberately being removed from site.

# Every hour...





# Every minute...



**Timing is everything**  
**Redeem can automatically implement a range of security measures.**

International events attract enormous amounts of people and publicity making them primary potential targets. Security for such events would generally be a combination of passive and active measures. This would include the use of best available technology.

Redeem is extremely compact and discreet and can monitor people and packages without interrupting the

flow of people traffic whilst maintaining a sense of normality. It can be installed on view above or at the side of entrances without the need for lengthy or disruptive installations. Equally it can be fitted in the cavities surrounding doorways or in the ceiling space in modern buildings with no loss of sensitivity.

Redeem works around the clock monitoring radiation levels to

extremely high tolerances. When radioactive material is detected the system immediately raises the alarm and provides data and information which will direct security to take measures which are most appropriate.

Integration is a key feature of Redeem, which can dovetail into existing security arrangements to provide total monitoring capabilities.

# Every second...

## Wherever and whenever An extension of the fixed system is a handheld device.

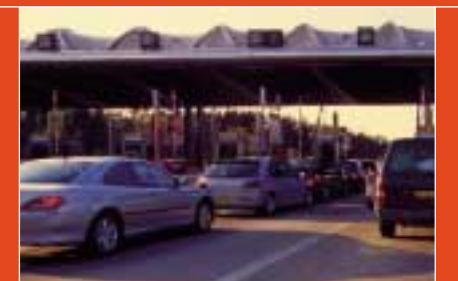
Redeem can be installed wherever there is a concentration of people or where there is a need to protect the assets contained within. These may include mass transit systems such as:

- Airports,
- Railway stations
- Bridges
- Tunnels
- Underground transport

It is particularly applicable in underground situations because the contamination can spread throughout the tunnel system, quickly infecting a very wide area.

Secure sites such as government buildings, power stations, military bases, high profile office buildings and organisations such as broadcast media present prime targets for terrorists and extortionists partly because of their news value and the coverage the terrorists receive.

The huge concentration of people at sporting events, pop concerts, shopping centres and the like are equally vulnerable. As many of these venues are in built up areas there is the possibility of secondary infection to a much larger area.



Redeem has been developed by the specialist engineering division of Corus, the global metals company. Corus Group has a strong environmental policy and was the first European steel producer to install detection systems across its sites.

Our extensive experience with Redeem has enabled us to develop a dedicated business unit, fully trained in the installation of the systems. Our worldwide service involves a comprehensive location analysis and risk assessment from which recommendations are made as to the positioning and installation of the system.

This assessment may include incorporating Redeem into existing security arrangements. Our team can then, if required, install Redeem along with all associated computer hardware and software as appropriate. Full training, technical support and maintenance are available. The service can be extended to handheld devices.

To arrange a demonstration of how Redeem can enhance your security measures please call us on  
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For more information visit our website at [www.corus-redeem.com](http://www.corus-redeem.com)

# Around the clock protection

## Knowledge and expertise

**Backed by state-of-the-art technology Corus has developed a reliable system for the protection of people and assets.**

