

RECYCLING AMERICIUM & PLUTONIUM



Power for space applications



Medical devices (eg pacemakers)



Smoke detectors



Valuable commodity chemicals

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RECYCLING CONSTRUCION MATERIALS

Concrete from decommissioned nuclear facilities can be recycled for use as a road base



Metal waste from nuclear applications can be recycled for use in the car industry

CIRCULAR ECONOMY & THE NUCLEAR INDUSTRY RECYCLING NUCLEAR WASTE



SEPARATION TECHNOLOGIES

The sector has developed & implemented technologies which enable the separation of different types of waste



Thanks to these waste separation technologies the industry is capable of recycling much greater volumes of the waste which it generates

IMPLEMENTATION OF CLEARANCE

Measures the radioactivity or contamination of the waste

Enables clearance of materials which are not contaminated

And these can then go for uncontrolled recycling!



INNOVATION

Research is currently ongoing into converting carbon-14 into diamond batteries



Thanks to their extremely long life they could be used in healthcare, spaceflight, and research in extreme conditions.