

IMPROVED REACTOR DESIGNS



Take into account end-of-life making it easier to sort & categorize the waste



Which means that much more can be recycled

December 2020

CIRCULAR ECONOMY & THE NUCLEAR INDUSTRY

REDUCING WASTE GENERATION



Source: Foro Nuclear, aerial view of Vandellos II - Spain

IMPROVED REACTOR OPERATION



Thanks to improvements in the operation of existing reactors in France the volume of waste generated has been divided by three compared to 1985

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 RECYCLING

DID YOU KNOW?

NUCLEAR POWER PLANTS NEED VERY LITTLE URANIUM TO GENERATE A LOT OF ENERGY AND SO THERE IS LITTLE WASTE. IF A HUMAN BEING SPENT THEIR WHOLE LIFE ALONE THEY WOULD PRODUCE THE EQUIVALENT OF JUST 6 SUGAR CUBES OF NUCLEAR WASTE

INNOVATION

Innovation is ongoing into solutions which can reduce the radioactive life of the waste



Enabling it to be recycled sooner