

# CessCon Decom

*Reduced Resource  
Consumption  
Through Reuse of  
Decommissioned  
Materials*

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# CessCon Decom



**CessCon Decom** provide bespoke, cost effective, fit-for-purpose and environmentally responsible decommissioning services to our clients

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We provide a vast range of services across the full decommissioning lifecycle from initial studies and surveys, to offshore asset removal and onshore dismantlement and recycling, with a key focus area of project specific and bespoke Engineering Down and Cleaning solutions

From our bases The Energy Park Fife, in Methil, Livingston, UK and Bangkok, Thailand, we provide decommissioning services to the onshore and offshore oil and gas industry

We work with all major oil and gas operators, heavy lift, transportation, and engineering design contractors in order to provide the most effective solutions for our clients





# Resource Consumption



*‘Reducing resource consumption and waste is a priority sustainability issue because we share the burden of responsibility, with all other organisations and individuals, to leave the planet in a condition which is fit for ongoing prosperity and quality of life for future generations’*

# The Circular Economy

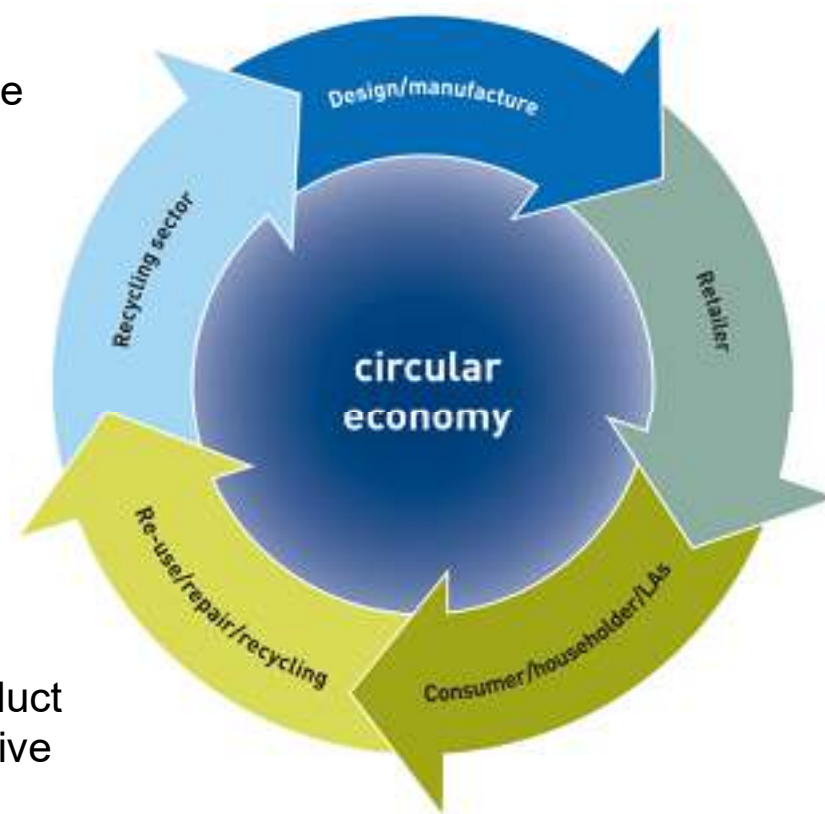


A circular economy is an economic system aimed at eliminating waste and the continual use of resources

Circular systems employ reuse, repair, refurbishment, remanufacturing, and recycling to create a closed-loop system, minimising resource consumption, and the creation of waste, pollution and carbon emissions

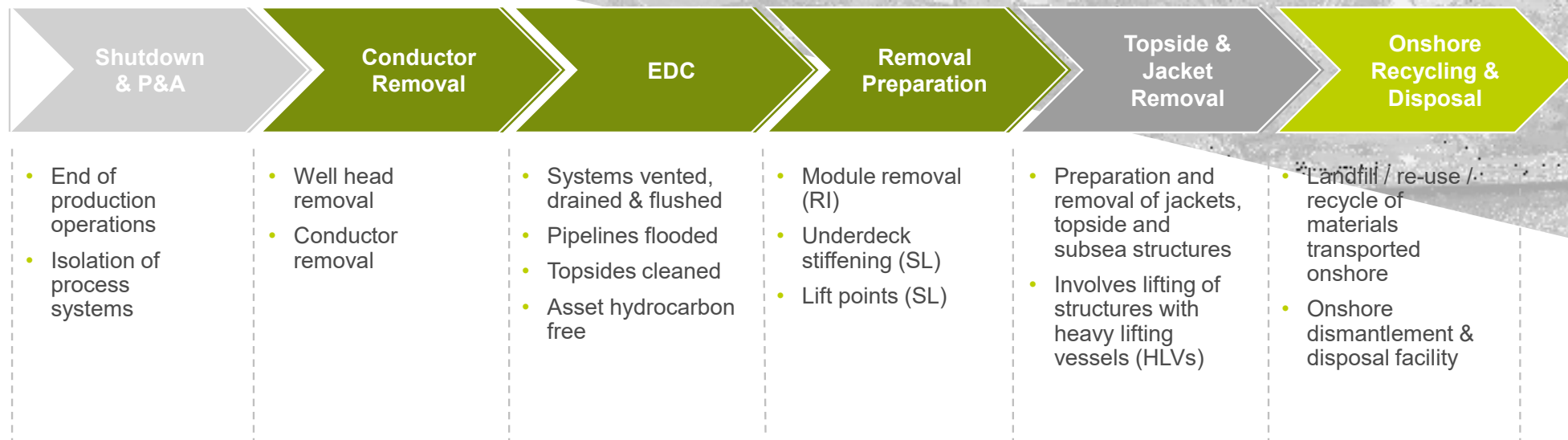
The circular economy aims to keep products, equipment and infrastructure in use for longer, thus improving the productivity of these resources

All 'waste' should become 'food' for another process: either a by-product or recovered resource for another industrial process, or as regenerative resources for nature (e.g., compost).





# Offshore Asset Decommissioning Lifecycle Example



# Reuse & Recycling in the Onshore Disposal Phase





# The Energy Park Fife Decommissioning Facility

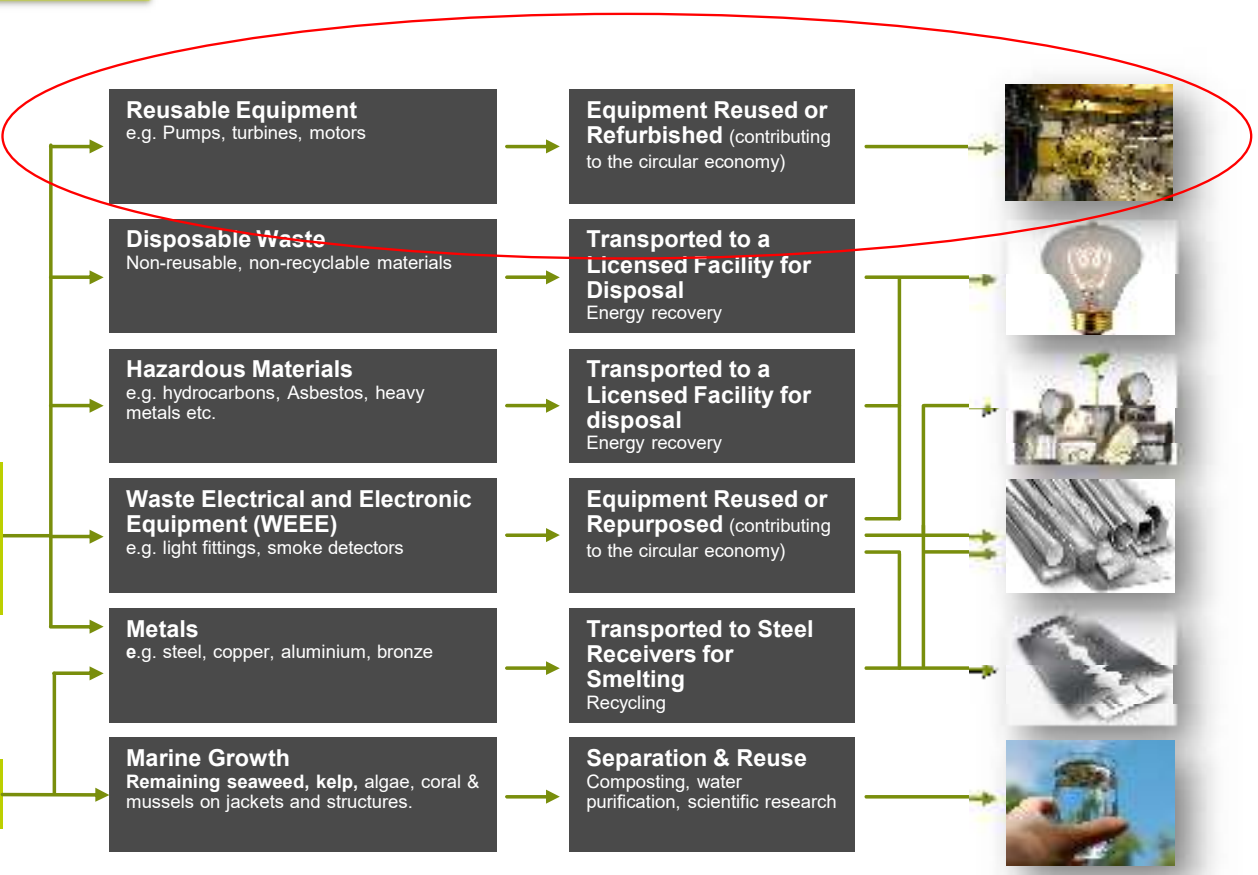


# Up to 99% Reuse and Recycling



**Topsides**  
Platform topside structure including module, process plant, helideck, flare/vent booms, drilling derrick etc.

**Jacket**  
Steel substructure





# In-House Refurbishment of Equipment for Reuse



# New Reuse Ideas?



## Reuse Marine Growth

- Reuse of coral as natural filtration element for own produced water
- Extraction of proteins from kelp for scientific research and clinical trials
- Free issue of compost to local farms & agriculture



## Offshore Light Fittings

- Replacement of fluorescent tubes with UV tubes to fight Covid-19
- Reuse of lights as perimeter lighting at the Energy Park Fife Facility



## Construction Yard

- Removal, separation, crushing, and screening of construction yard structures for development of Energy Park Fife Decommissioning facility





# The Energy Park Fife Decommissioning Facility







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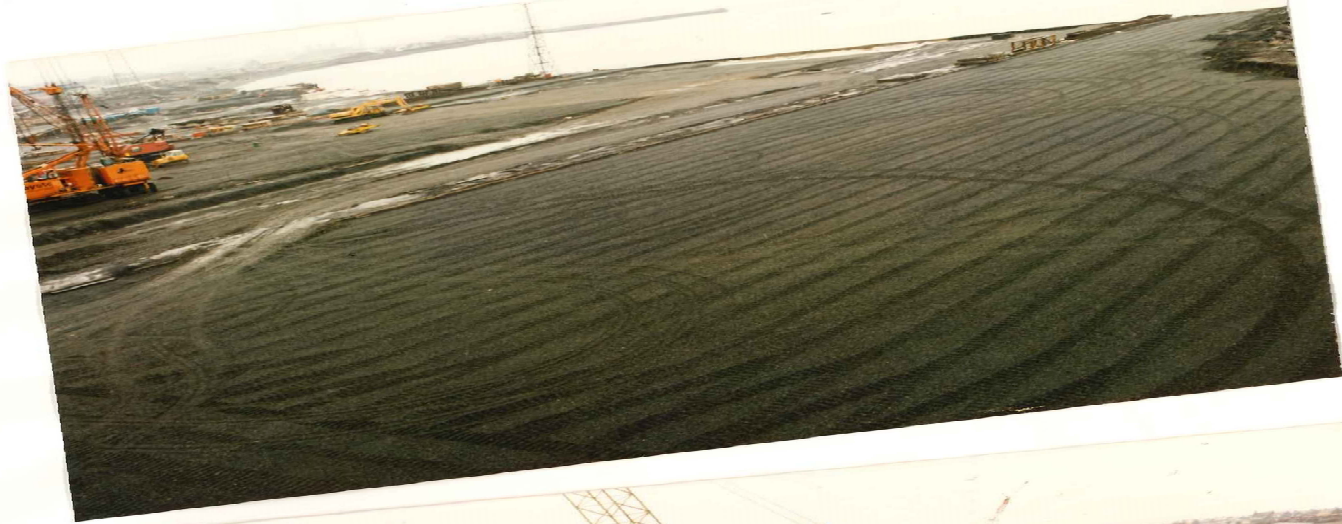








RE-DEVELOPMENT OF PHASE 2  
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# Benefits Realised



- Planned importation of 25,000 tonnes of Type 1 stone cancelled
- Carbon footprint associated with 1,000 lorry deliveries to yard mitigated
- Planned exportation of 25,000 tonnes of concrete rubble from yard cancelled
- Carbon footprint associated with 1,000 lorry deliveries out of the yard mitigated
- Development of a decommissioning & dismantlement facility with historic construction facility materials
- Offshore oil & gas assets brought back to very same facility for decommissioning, that they were actually constructed in some 30 to 40 years ago... A TRUE CIRCULAR ECONOMY



## Takeaway Message...



Before looking far afield for shiny new materials, think about what is around you that may be of use...

You might just find that what you are looking for... is actually under your feet!



# CessCon Decom

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Delivering successful decommissioning projects through collaboration and teamwork

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