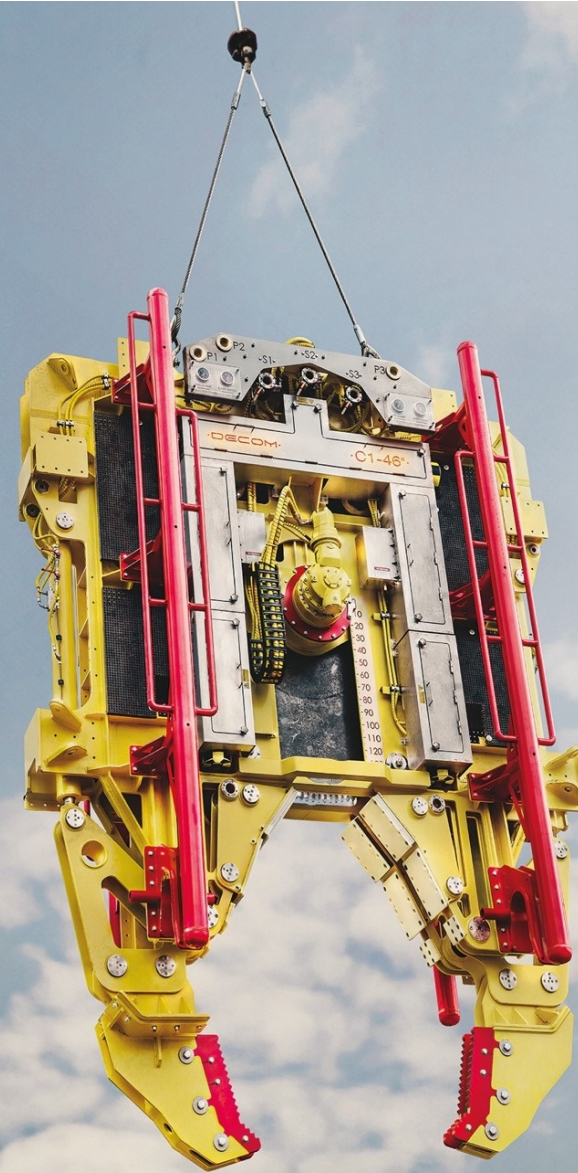




# DECOM'S SAW & PIPE COATING REMOVAL REDEFINES DECOMMISSIONING



**FASTER.  
GREENER.  
SAFER.**





**DECOM ENGINEERING WAS FORMED  
IN 2011.**

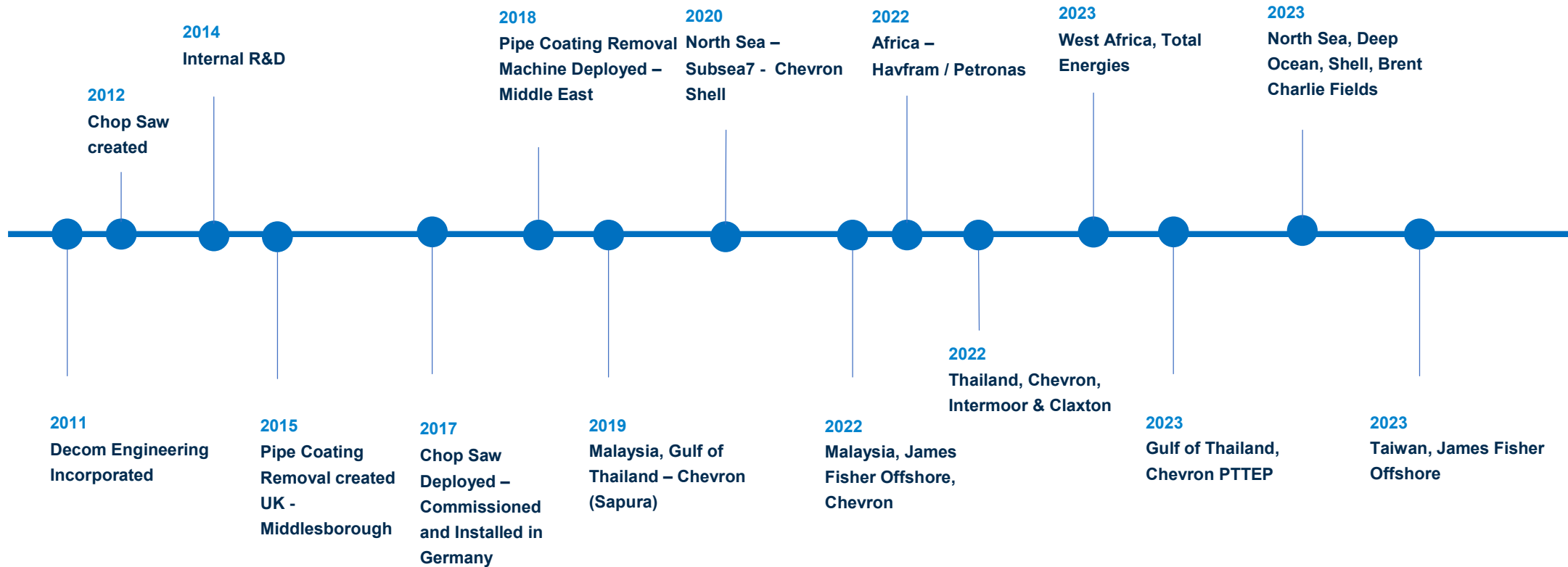
**WE SPECIALISE IN THE DESIGN AND  
FABRICATION OF OUR CUTTING & PIPE  
COATING REMOVAL SOLUTIONS.**

We are a R&D led firm, providing innovative decommissioning equipment.

Our **C1 CHOPSAW RANGE** provides faster, safer and more reliable alternatives to diamond wire cutting. Our solution is comparable with shears while creating a clean cut.



# Decom's Evolution / Milestone Projects



# Sustainable Solutions

- Engineered solutions
- Carbon reporting
- Reuse
- Repurpose





# Our Solutions



## In brief:

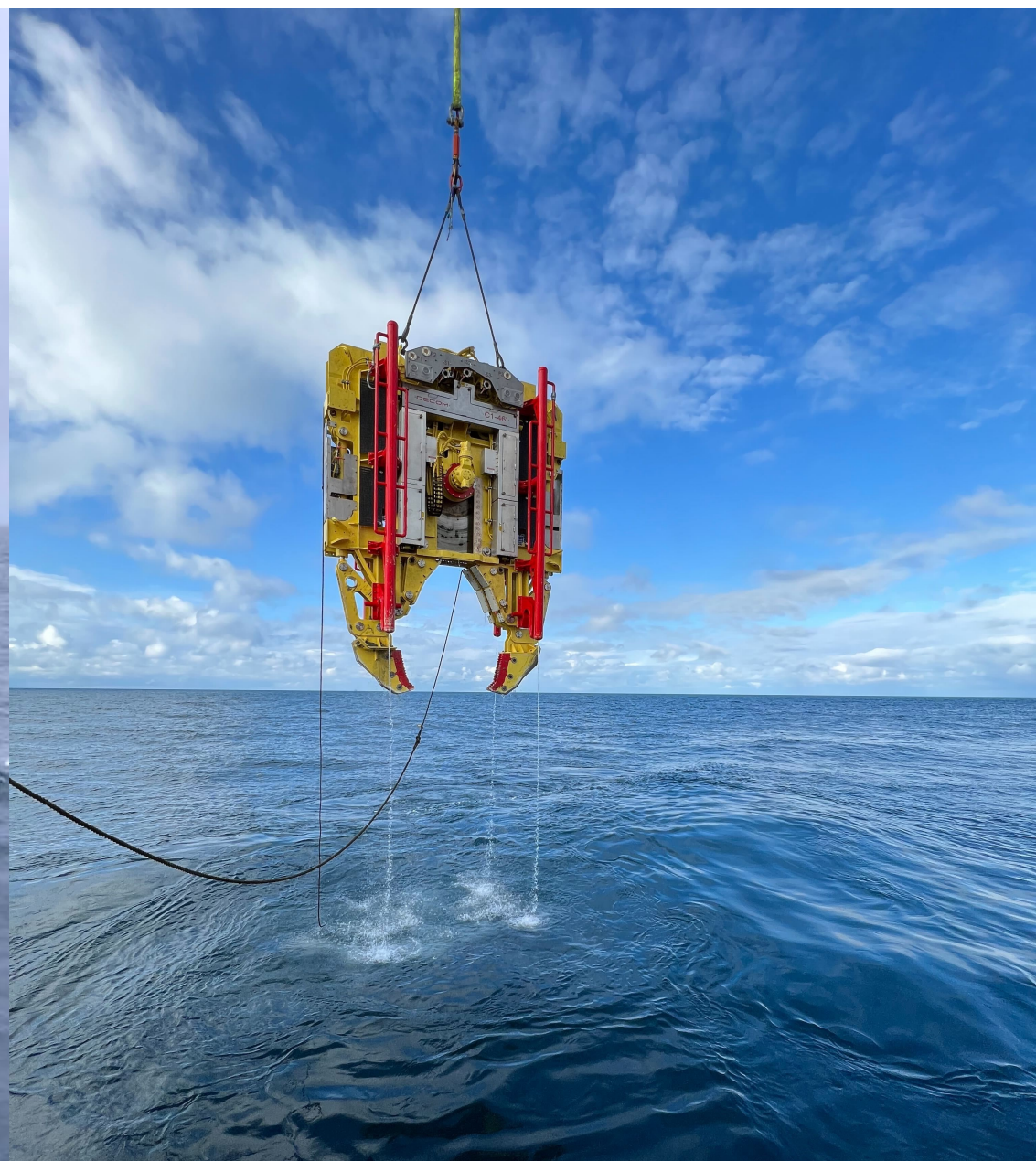
- ✓ Up to 46" capacity
- ✓ Fast and clean cut
- ✓ Depths of up to 2,000 metres
- ✓ Market leading cut times
- ✓ Multiple cuts per blade: up to 100
- ✓ Operator-friendly control panel
- ✓ Robust shipping cage with comprehensive spares
- ✓ Highly adaptable to suit surroundings and structures
- ✓ Multiple lifting points
- ✓ Replaceable blade tips



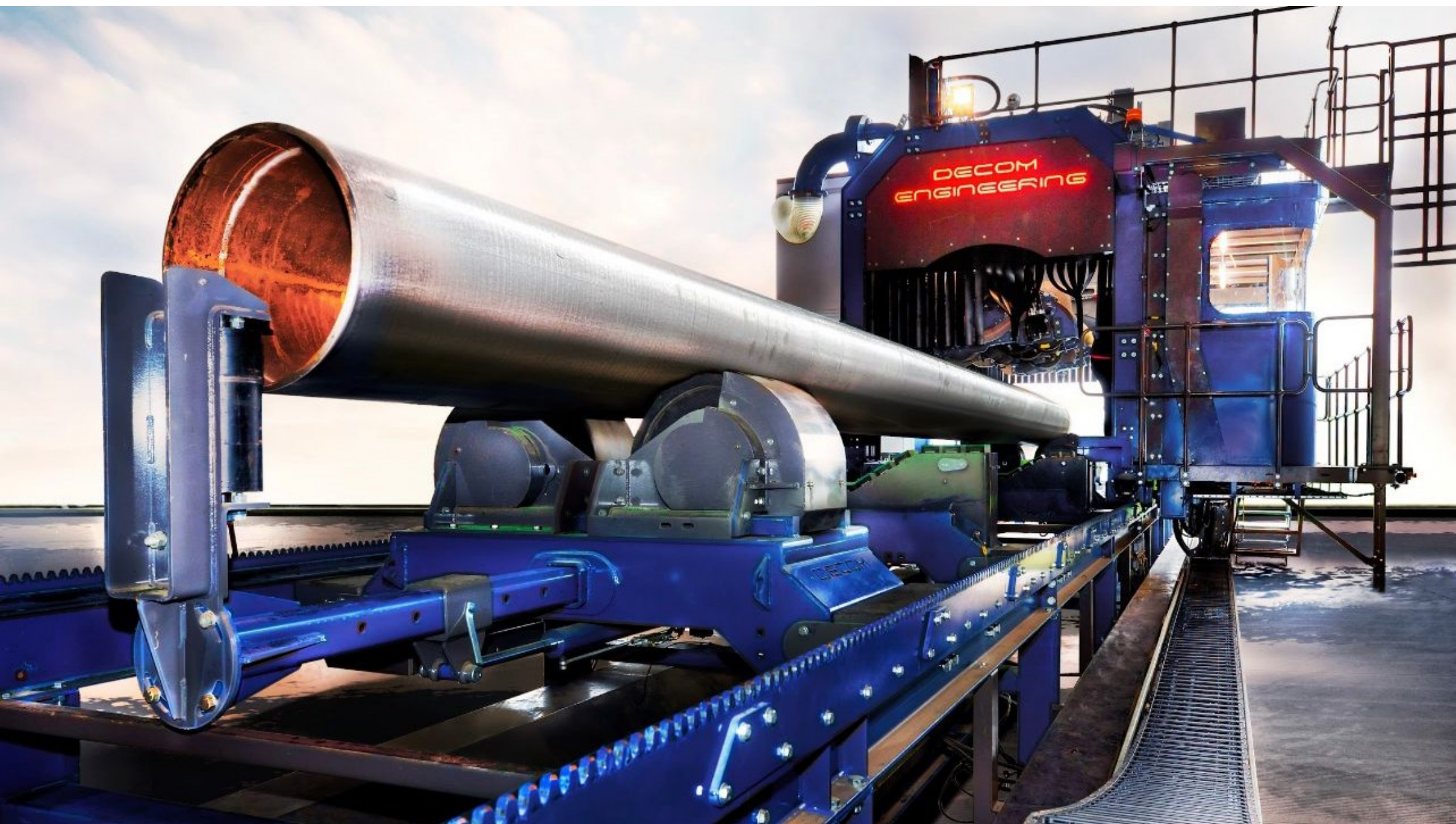
















**Evolving  
landscape of  
pipeline  
decommissioning**





# Circular Economy

- Leave in Situ
- Partial removal
- Complete removal
- Recycling onshore

# Key Challenges

- Marine Environment
- Removal process
- NORM contamination
- Pipeline coatings







## Opportunities

- Restoration of marine environment
- Recycling of coatings-  
Concrete, Plastic's,  
Adhesive, FBE
- Recycling and Re-purposing  
of steel

**Recent Track Record**  
**Chevron / PTTEP**  
**Location: Gulf of Thailand**

*Material*

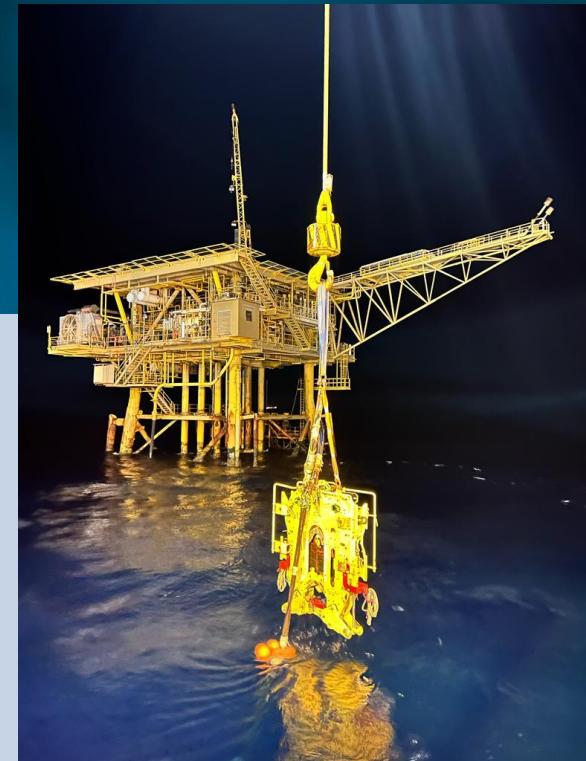
16" CWC Gas Pipeline

15mm – 25mm WT

38mm CWC

*Depth*

40-70m water depth





# Effective Recovery

- SHELL BRENT CHARLIE









## Reduced vessel time and its positive impact on carbon footprint reduction

- Efficiency
- Equipment
- Experience



# Carbon Reporting







# DECOM ENGINEERING COATING REMOVAL MACHINE CASE STUDIES

## 7. Case Study 1

Case Study 1 considers a consignment of just under 7,000 pipes from Bilbao, Spain transported to Cookstown, Northern Ireland for processing through an in-situ CRM located at Decom Engineering's Northern Ireland site.

### 7.1 Assumptions

The following assumptions have been applied in assessing the carbon impacts associated with Case Study 1:

- 6,952 pipes transported via road from Bilbao, Spain to Cookstown, Northern Ireland – approximately 1,325 miles.
  - Assume 25 pipes per truck on average, shipped via Articulated HGVs (3.5-33t)
    - Return trip included as pipes are returned to client
- Pipe sections are 12.2 metres in length
  - 3,863 pipes at 8.62" diameter, with 4mm wall thickness, weighing approximately 0.26 tonnes each
  - 3,089 pipes at 10.75" diameter, with 4mm wall thickness, weighing approximately 0.32 tonnes each
- Each pipe takes in the order of 30 minutes to pass through the CRM
- Maintenance has been assumed based on the assumptions outlined in Section 6, with a total operational time of 3,476 hours

### 7.2 Consignment Details

Based on the following consignment details the following sections consider the carbon footprint associated with coating removal and transport of the pipes.

Table 5 Case Study 1 Consignment Details

Consignment No	1	2	
Pipe Diameter	8.26"	10.75"	TOTAL
Number of pipes	3,863	3,089	6,952
Length (metres)	12.2	12.2	
Wall Thickness (mm)	4.0	4.0	
Pipe weight (tonnes per pipe)	0.26	0.32	
Total pipe weight (tonnes)	1,004.4	988.5	1992.9
Steel weight (tonnes)	879.7	862.0	1741.7
FBE (tonnes)	17.1	17.8	34.9
Adhesive (tonnes)	1.0	1.0	2.0
PE (tonnes)	106.5	107.6	214.2



## Repurposing and Recycling Pipelines





- **30,000T Steel**
- **Surplus prime,  
rejected,  
Decommissioned**
- **Bitumen, Tar,  
3LPE, 3LPP, FBE**



# Offshore Piling



## Connecting the dots: PCRM Technology

Our pipe coating removal system is the **fastest and greenest process** on the market globally. Our solution recycles downgraded oil and gas pipe into a **useable product** instead of scrap steel, hugely increasing the value chain for our partners and decreasing the carbon footprint of the industry.





## Synergy

Decom Engineering –  
Internally  
Contractors  
Asset owners  
Key stakeholders





**Beyond Pipelines:** Decommissioning Diverse Onshore, Offshore, and Subsea Assets









**Our experience in  
decommissioning a wide range  
of onshore, offshore, and  
subsea infrastructure**

Expertise and capabilities in  
addressing diverse  
decommissioning challenges

**Thank you**  
**Any questions?**