TARMAC
A CRH COMPANY

Tarmac cementitious solutions

Kevan Greenhalgh | Stephen Rodgers

Global leader in building materials

No.1 for **Building Materials** in North America and Europe

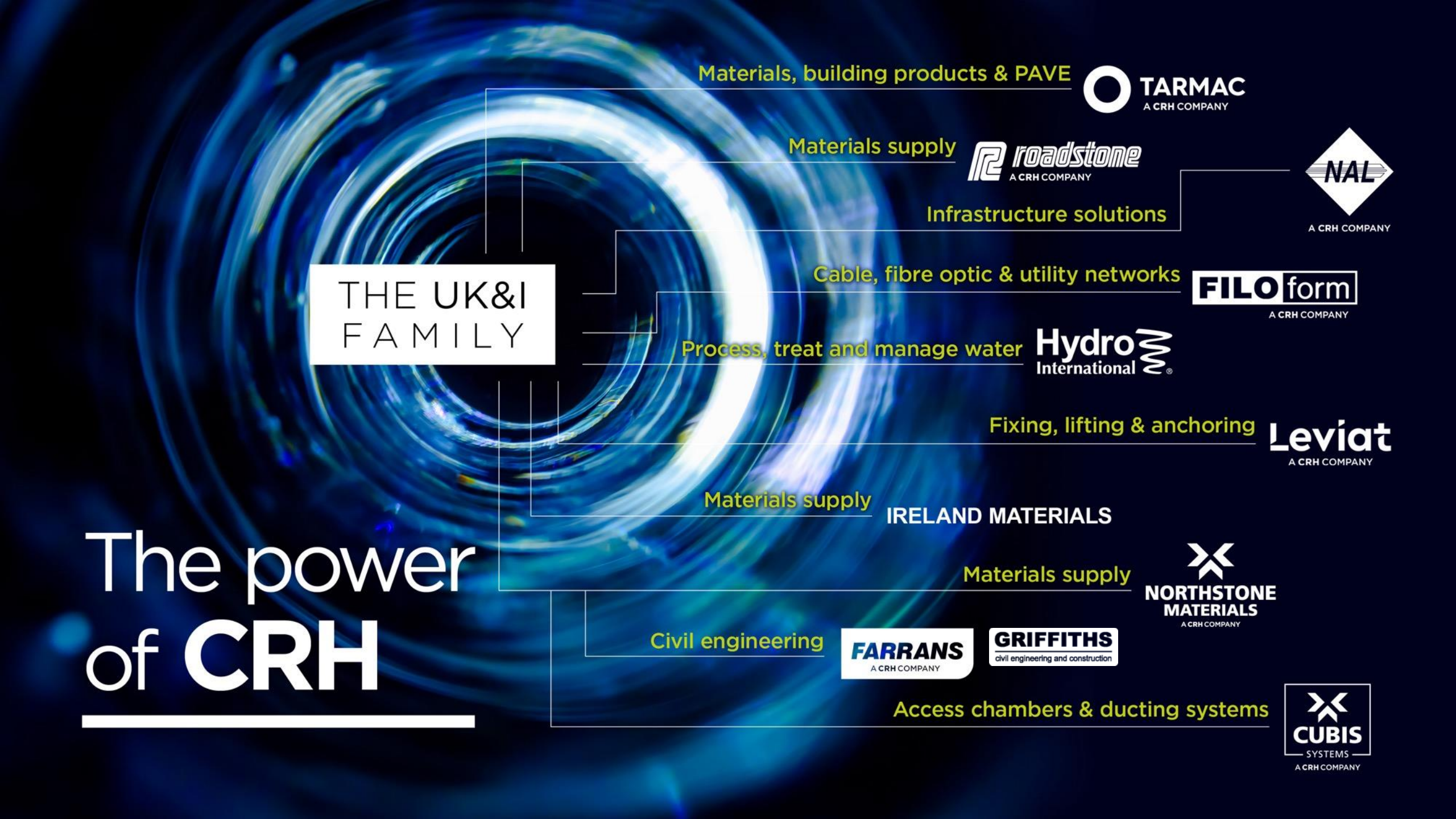
Fortune 500 Company

Turnover **$33bn**

29 Countries across **4** Continents

75,800 people globally

3,160 Operating locations


THE UK&I FAMILY
Materials, building products & PAVE
TARMAC
A CRH COMPANY
Materials supply
roadstone
A CRH COMPANY
Infrastructure solutions
NAL
A CRH COMPANY
Cable, fibre optic & utility networks
FILOform
A CRH COMPANY
Process, treat and manage water
Hydro International
Fixing, lifting & anchoring
Leviat
A CRH COMPANY
Materials supply
IRELAND MATERIALS
Materials supply
NORTHSTONE MATERIALS
A CRH COMPANY
Civil engineering
FARRANS
A CRH COMPANY
GRIFFITHS
civil engineering and construction
Access chambers & ducting systems
CUBIS SYSTEMS
A CRH COMPANY
The power of CRH

Overview

Scottish asset capability

UK cement plants, rail, lab and sites

Dunbar cement

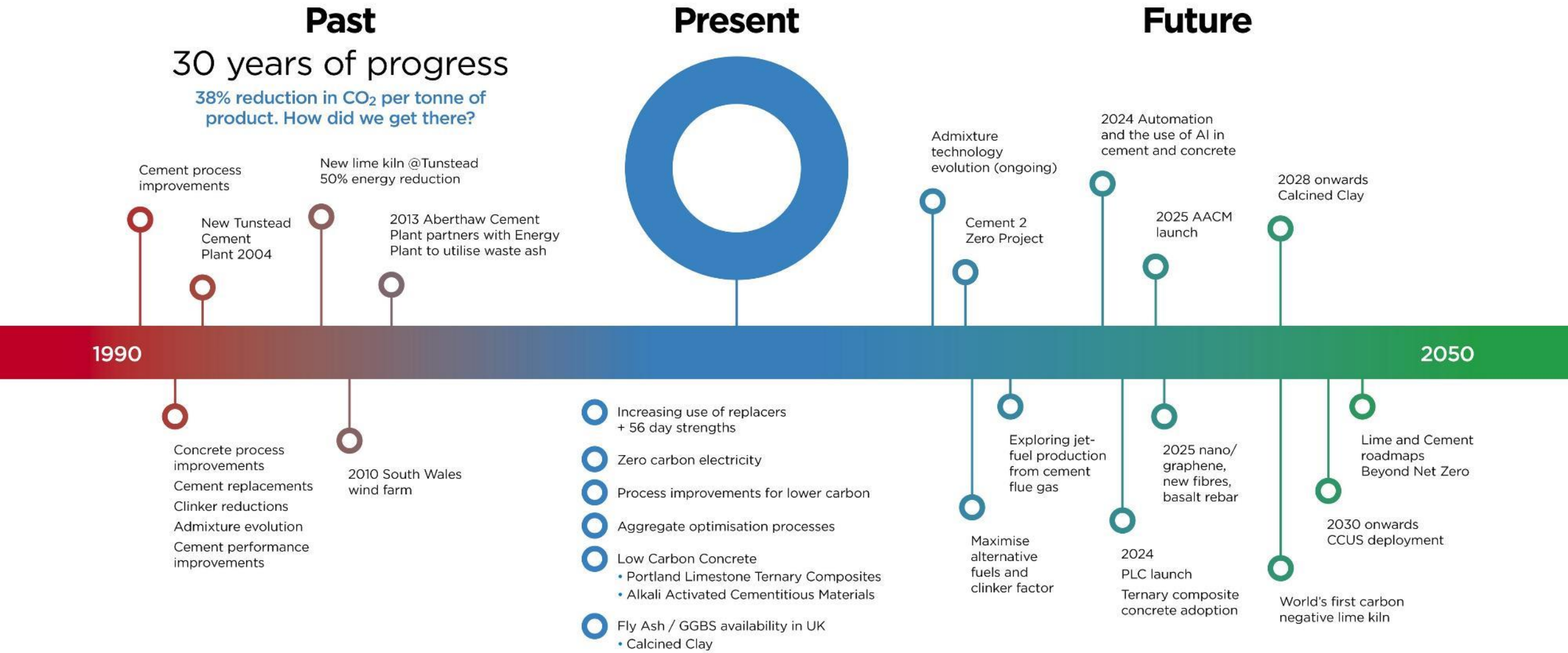
Scotland's only cement manufacturing capability

Portland Cement Cem I

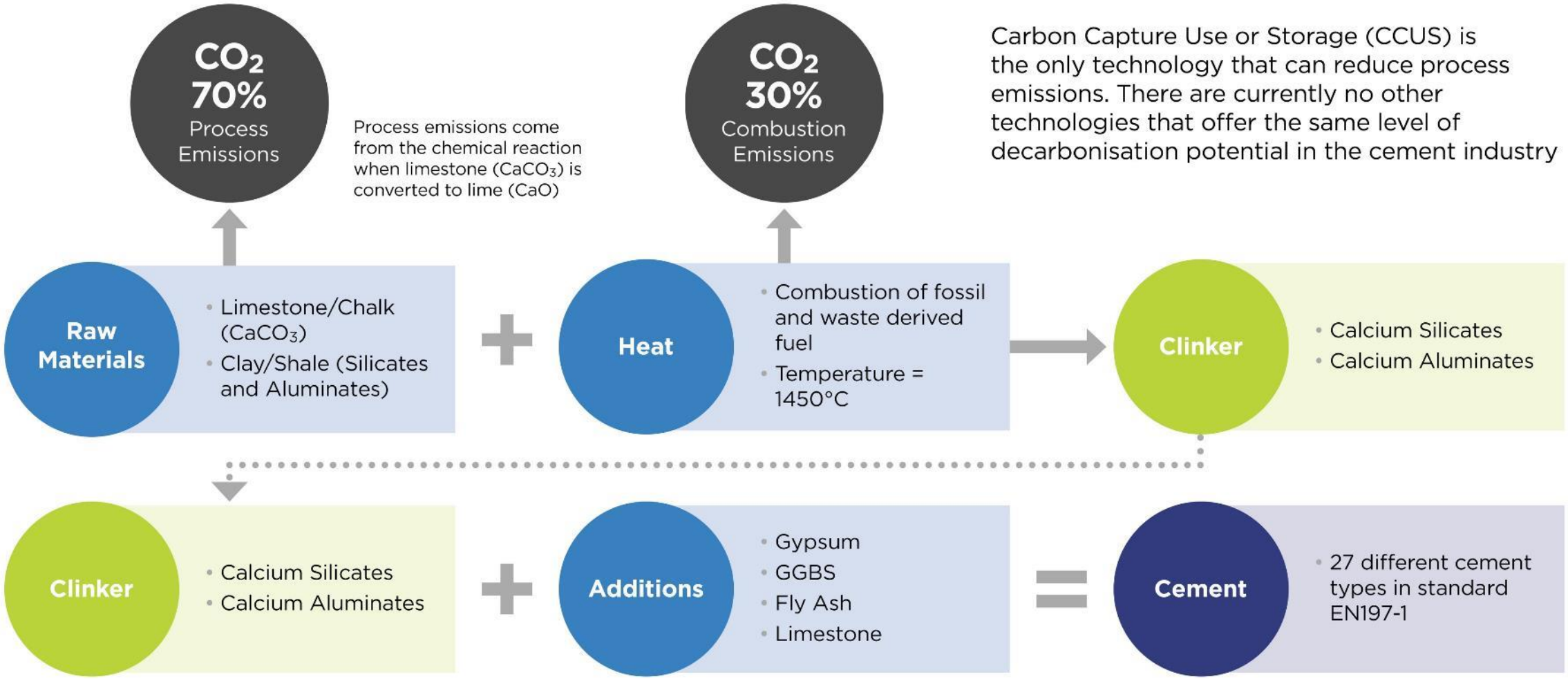
Phoenix Cement Cem II B-V

Portland Limestone Cement PLC Cem II / A-LL

Concrete and cement carbon journey to beyond zero



Cement chemistry



Tarmac strategy CO_2 goals

Tarmac have committed to being ‘net zero’ before 2050

We have set ambitious goals

We cannot achieve the goal with ‘business as usual’

Decisions we make today will have commercial and operational impact now, and in the future

30% absolute reduction in Scope 1, 2 and 3 GHG emissions by 2030

Be at the forefront of trialling and implementing low CO_2 transport and logistics

Manage climate risk at our sites and use our land assets to deploy nature-based solutions to reduce CO_2

Collaborate with policymakers, academia, industry and industrial clusters to develop net zero technologies, solutions and enabling policies

CO_2 reduction to 520kg net CO_2/tonne cementitious product by 2025

What is CEM I & CEM II Bulk PLC (CEM II/A-LL)

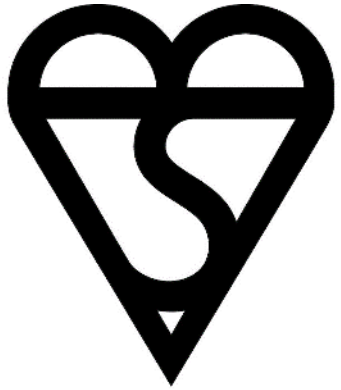
Benefits:

- Reduced Carbon footprint per tonne of cement.
- Lower embodied Carbon M3 Concrete.
- Increased capacity.
- Potential to reduce imports.

	CEM I	CEM II*
Clinker	90%	80%
Limestone	5%	***10-15%***
Gypsum	5%	5%

Imminent changes to Concrete Standards (BS 8500)

- Current standard doesn't allow CEM II / A-LL for certain concrete design and exposure classes.
- New standard recognises the use of ternary cements and removes these restrictions.



KM 648952
BS EN 206-1:2000 &
BS 8500:2006
Ready-Mixed Concrete

Net Zero is a collaborative effort

The solutions are evolving and together, through early engagement, we can drive progress

Shetland Windfarm

270,000t of CEMII/B-V Phoenix, supplied to windfarm projects in Scotland. Performance Driver – consistency and quality assurance.