

RECYCLE

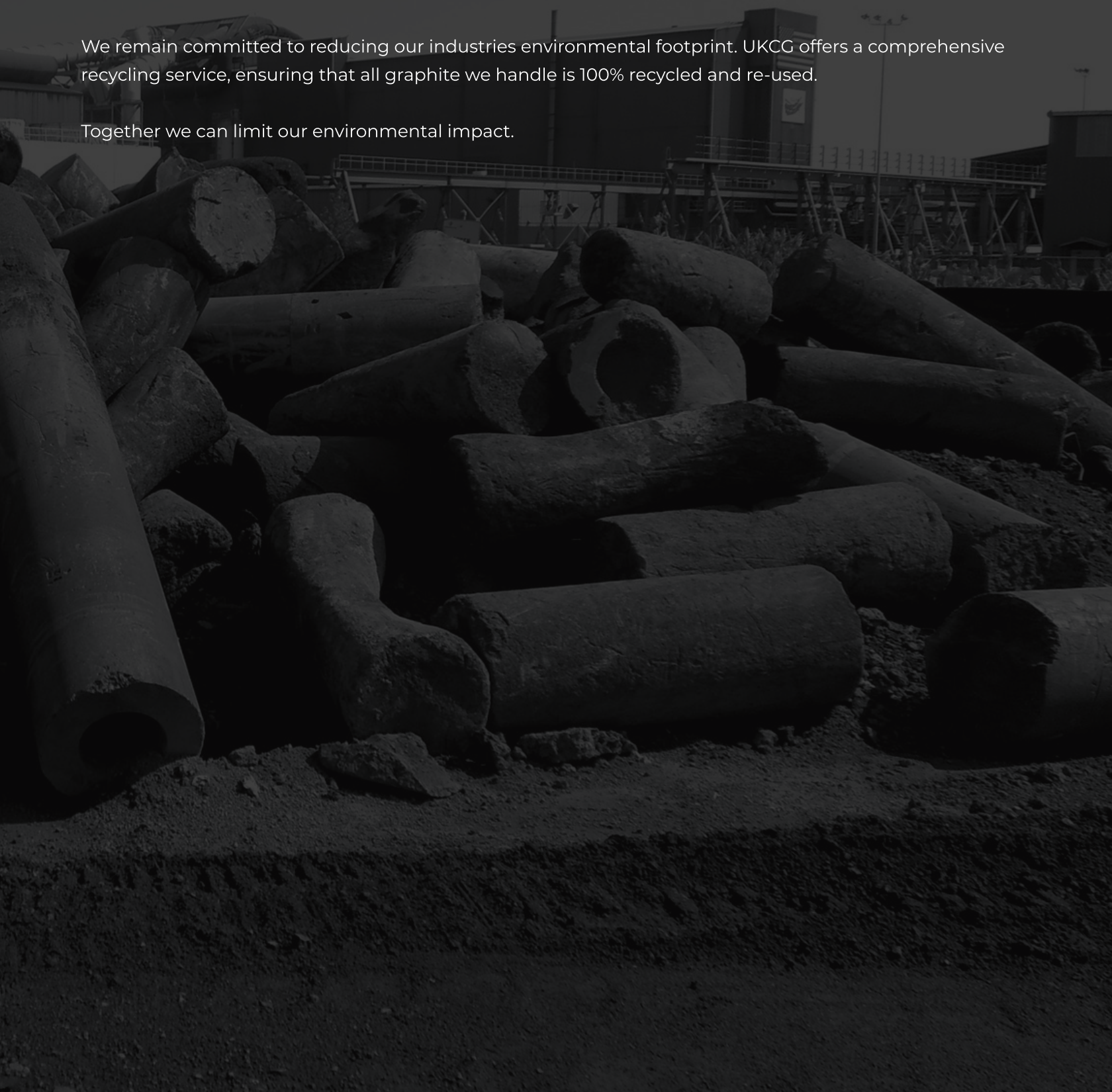




UKCG evolved from the dedicated recycling of spent graphite electrodes. Our history of recovering graphite spans generations. Decades later we are proud to be recognised as a global leader in the recovery of broken graphite electrodes and the recycling of general graphite waste.

We remain committed to reducing our industries environmental footprint. UKCG offers a comprehensive recycling service, ensuring that all graphite we handle is 100% recycled and re-used.

Together we can limit our environmental impact.





Reducing Our Impact Together

To produce 1 tonne of graphite electrodes requires in the region of 17,000 kWh*.

$17,000 \text{ kWh} \times 0.23314 \text{ Kg}^{**} = 3,963 \text{ Kg CO}_2$ Per tonne electrode produced.

By working with UKCG to regenerate and recycle waste graphite electrodes, your business can be assured that you are maximising the limitation of CO² output, whilst maximising your bottom line.

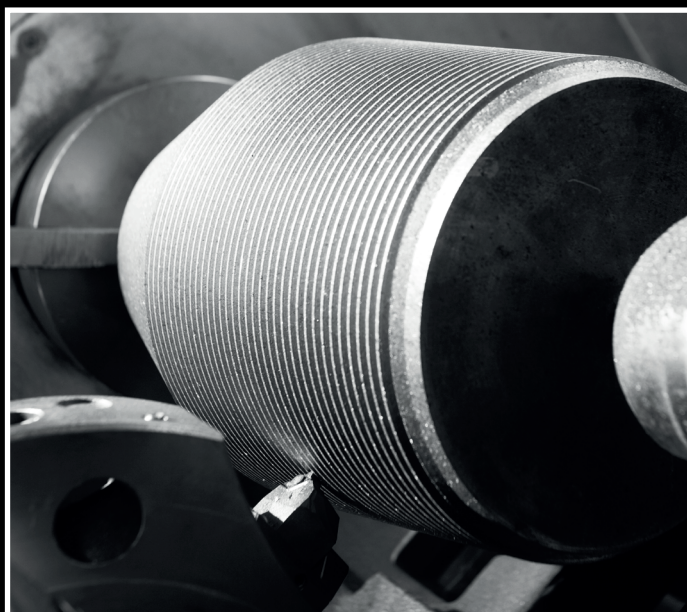
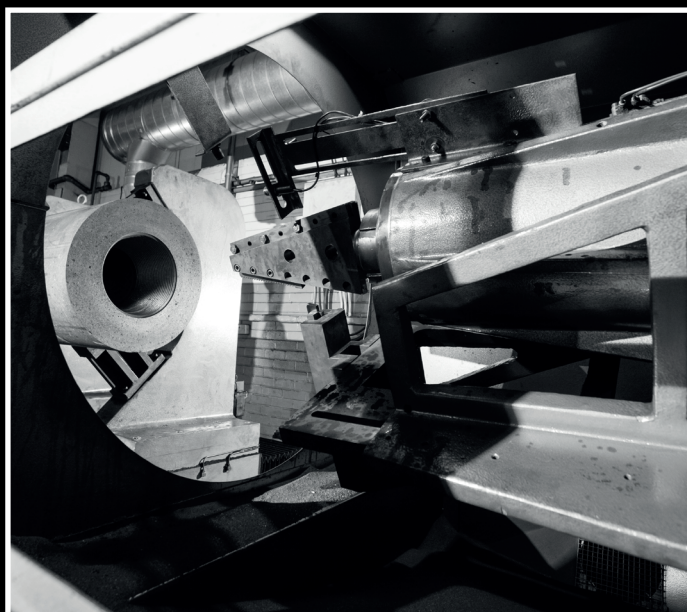
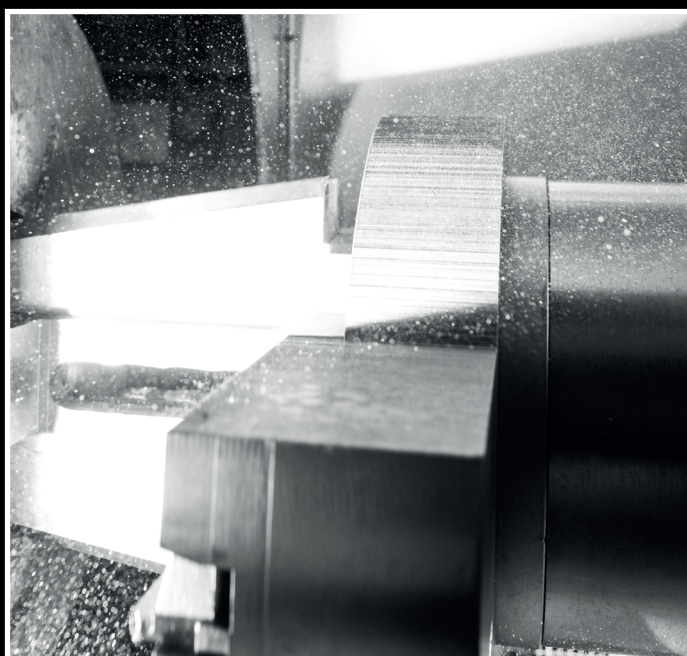
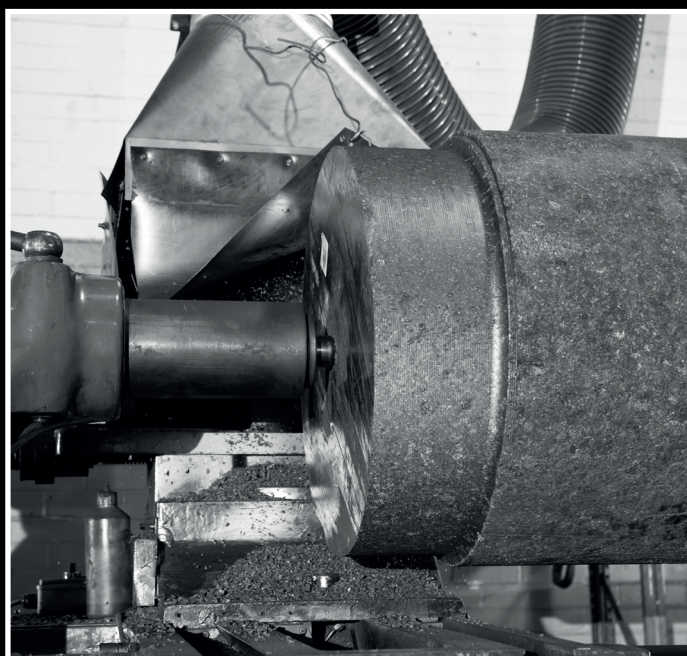
*Contact UKCG for calculation method

**UK Department for Business, Energy and Industrial Strategy. The conversion factor is 0.23314 kg CO² generated for each kWh. The factor is based on the carbon emissions generated by the current UK power stations per kWh generated. This factor includes other green house gasses such as methane and nitrous oxide which are converted to their carbon dioxide equivalents so the value is really kg CO² eq. per kWh.



Graphite Electrode Re-Machining

UKCG offers our customers a full graphite electrode re-generation package. Suitable electrodes broken on furnace can be salvaged and either machined down for ladle use or resocketed for use on the EAF. UKCG can further supply a comprehensive range of UHP connecting pins to accompany electrodes that have been reconditioned on behalf of our customers.





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