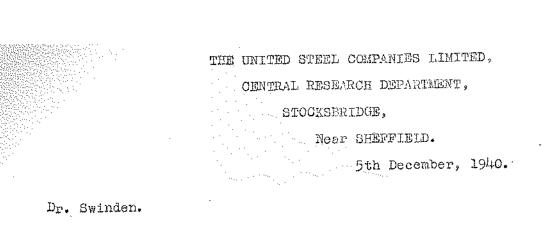
Greening the Steel Industry

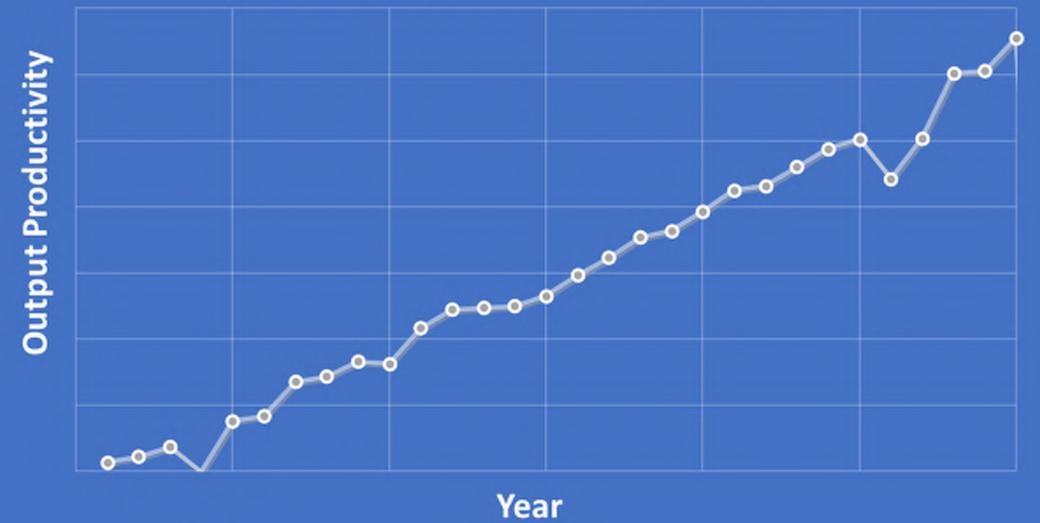
Innovation Potential of Steel



RADIOACTIVE LABELS FOR REFRACTORY INCLUSIONS

In a letter to the American Ceramic Society (Bull.Am.Ceram.Soc.May,1939), Dr. Sosman of the United States Steel Corporation suggested the possibility of making use of radioactive casting pit refractories to determine whether any of the inclusions in steel came from the bricks. As an example of the method that might be employed he suggested that thoria could be added to the casting pit refractories and the presence or otherwise of thoria in the steel demonstrated by cutting and polishing the steel and placing it in contact with a photographic plate. Subsequent enquiry showed that Dr. Sosman had not carried out any such experiments but that certain other firms, e.g. the Timken Bearing Company, were intending doing so.

UK STEEL INDUSTRY





Materials Processing Institute

Institute Activities

- The Institute is independent and not-for-profit.
- Developing and commercialising new innovation for the metals sector and broader foundation industries.
- > Work with the sector globally and supports SMEs in Teesside









Improving steelmakng processes

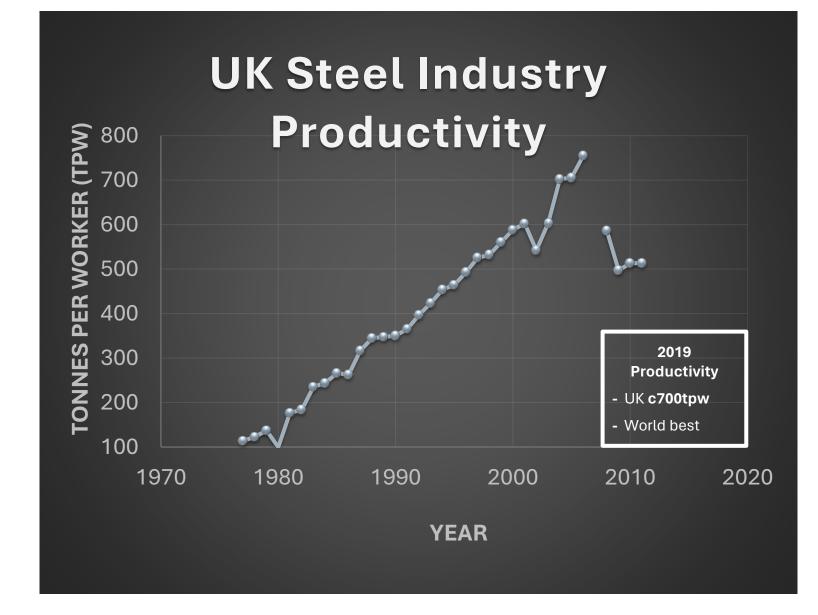
Using the Institute's experience with large items of process plant and equipment, often operating in hot and hostile environments, to deliver simple robust solutions to complex engineering problems.



Going Green & Going Smart

"To protect the environment is to protect productivity and to *improve the environment* is to *boost productivity*"

President Xi of China

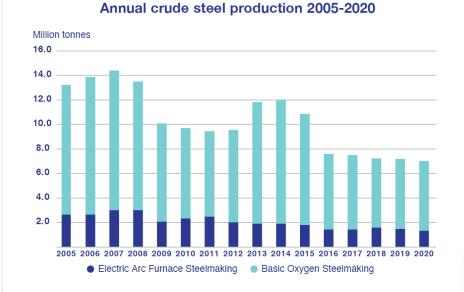


Market Opportunity vs Industry Performance

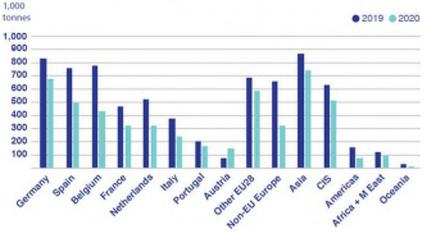
Department for Business, Energy & Industrial Strategy

FUTURE CAPACITIES AND CAPABILITIES OF THE UK STEEL INDUSTRY

BEIS Research Paper Number 26 Summary Report



UK steel mill imports 2020 vs 2019



15 December 2017





OR

Post-industrial?



Global Context