Steel’s strength, durability and adaptability makes it essential to modern economies. Steel is also a critical enabler in the transition to a low-carbon economy due to its infinite recyclability and high rate of reuse. Steel products

Our

Performance a
Steelmaking Ta

Our GHG emissions intensity continues to improve, despite the challenges presented by COwVID-19 in s prsengeegee

Our decarbonisation pathway

We have developed our iron- and steelmaking decarbonisation pathway over two phases:

(i) our pathway to achieving our 2030 steelmaking intensity reduction target; and

(ii) a suite of options to meet our 2050 net zero goal.

In the near to mid-term, this means our focus will be on

Future technologies and ‘green steel’

Several hydrogen-based ironmaking technologies are currently being explored across the industry. These range from the injection of hydrogen into existing blast furnace operations to the replacement of current ironmaking technologies with direct reduced iron (DRI) manufactured using renewable hydrogen. Concept studies, prototypes and demonstration plants are being developed, but further significant advances will be needed before these technologies are commercialised.

Recognising that ‘green steel’ is not yet commercially available at scale, we are working on optimising existing processes to deliver emissions reductions and building optionality around emerging technologies, where feasible.

Increasing scrap use

Steel is one of the most highly recycled materials in use today, and is a key enabler in lower emissions steelmaking. Globally around 80-90 per cent of scrap steel is recovered and recycled to produce secondary steel. Despite this high recovery rateailable

In late 2020, we committed to invest $20M to develop a Renewable Manufacturing Zone at our Port Kembla Steelworks site. This will be the foundation of a1g (et0muo}10 andrin