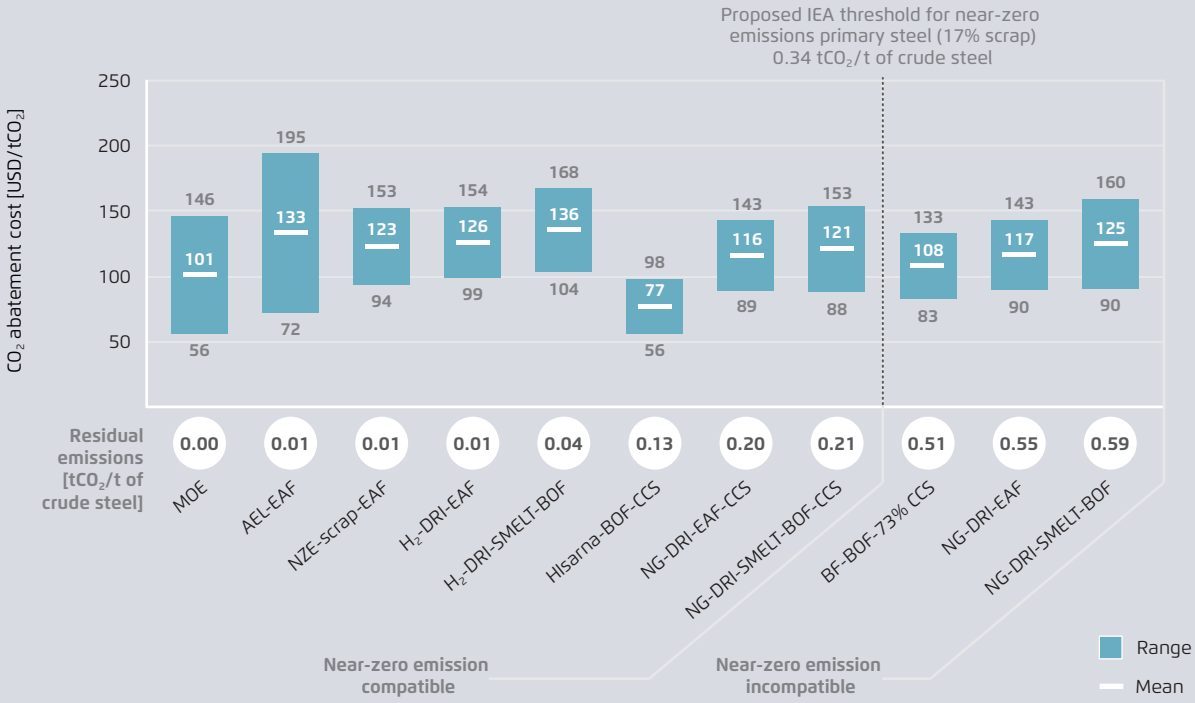
CO_2 abatement costs of key technologies versus the BF-BOF route in 2050

Figure 8



Agora Industry and Wuppertal Institute (2024). Note: Agora and Wuppertal Institute's cost assumptions are based on a literature review and a *middle-of-the-road* approach, in which the lowest and the highest costs are excluded from the cost range. Input assumptions for 2050 are: USD 50–80/MWh for delivered zero-carbon electricity; USD 1–2/kg of delivered low-carbon H_2; 9–25/MWh natural gas; USD 20–30/tCO_2 for CO_2 transport and storage excluding CO_2 capture for CCS-based technologies; no carbon pricing is included in the costs. All primary technologies use a share of 17% scrap. The IEA's proposed near-zero emission threshold of 0.34 tCO_2/t of crude steel is adjusted to a 17% scrap input.