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## Pre-combustion Decarbonisation Technology Summary

12. Generation Of Hydrogen Fuels For A Thermal Power Plant With Integrated Co<sub>2</sub> -capture Using A Cao-caco<sub>3</sub> Cycle  
13. Development Of The Sorption Enhanced Water Gas Shift Process;  
14. Coke Gasification: Advanced Technology For Separation And Capture Of Co<sub>2</sub> From Gasifier Process Producing Electrical Power...;  
15. Development Of A Hydrogen Mixed Conducting Membrane Based Co<sub>2</sub> Capture Process;  
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### Sommario/riassunto

Over the past decade, the prospect of climate change resulting from anthropogenic CO<sub>2</sub> has become a matter of growing public concern. Not only is the reduction of CO<sub>2</sub> emissions extremely important, but keeping the cost at a manageable level is a prime priority for companies and the public, alike. The CO<sub>2</sub> capture project (CCP) came together with a common goal in mind: find a technological process to capture CO<sub>2</sub> emissions that is relatively low-cost and able to be expanded to industrial applications. The Carbon Dioxide Capture and Storage P