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ZeroGen Project in Central Queensland

Clean coal technologies such as that being demonstrated by the ZeroGen project proposed for Central Queensland provide an opportunity to enable deep reductions in carbon dioxide emissions into the atmosphere said Dr Kelly Thambimuthu, Chief Executive Officer of the Centre for Low Emissions Technology.

"In order to develop clean coal technologies to the point where they can be cost effectively deployed, a coordinated effort is required in both research and demonstration. Research and development which target break though concepts and enabling technologies for hydrogen production with CO_2 capture that the Centre for Low Emission Technology is engaged in , and demonstration projects like ZeroGen which support learning by doing to further reduce costs, are crucial in the development of a portfolio of technologies that underpin a future with low emissions power generation."

A common element to all clean coal technologies is the requirement for the capture and safe storage of carbon dioxide. A recent report on CO_2 Capture and Storage by the Intergovernmental Panel on Climate Change (IPCC) has found that the capture and storage of carbon dioxide produced by power and industrial plants can play a major role, amongst a portfolio of least cost options, to mitigate climate change.

Learnings from demonstration projects such as ZeroGen are clearly on a pathway that supports advanced research, and the commercial deployment of these technologies to provide a solid foundation to tackle the challenges of global climate change.

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