Shipping the Sunshine
The Australia-Germany Hydrogen Partnership

More information:
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Australia and Germany both have expertise in renewable energy generation.

Australia and Germany are natural partners in green hydrogen.

- Energy demand
- Manufacturing capability
- Technology leader

- Land and resources
- Recognised leader in global export of energy
- Reliable and trusted energy partner

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Using only solar energy from Australia’s most promising regions – accounting for just 3% of its surface area - could produce 600 million tons of hydrogen annually. That is ten times Germany’s non-electricity energy consumption.

While the foundation for a new era in German-Australian cooperation is strong, there are important questions to resolve:

- How to bring down costs?
- How should hydrogen be transported?
- What infrastructure will be needed in Australia and in Germany?

Australia and Germany have established a feasibility study into a renewable hydrogen supply chain.

We have the sharpest minds on the case.

While renewable electricity will meet many of the requirements for a carbon neutral future. However, hydrogen molecules will be needed for several specific purposes. For example, hydrogen fuel carries much more energy than the equivalent weight of batteries.

This makes hydrogen the natural solution for steel, chemicals, shipping, heavy transport and eventually aviation.