

# Optimizing a sustainable hydrogen economy

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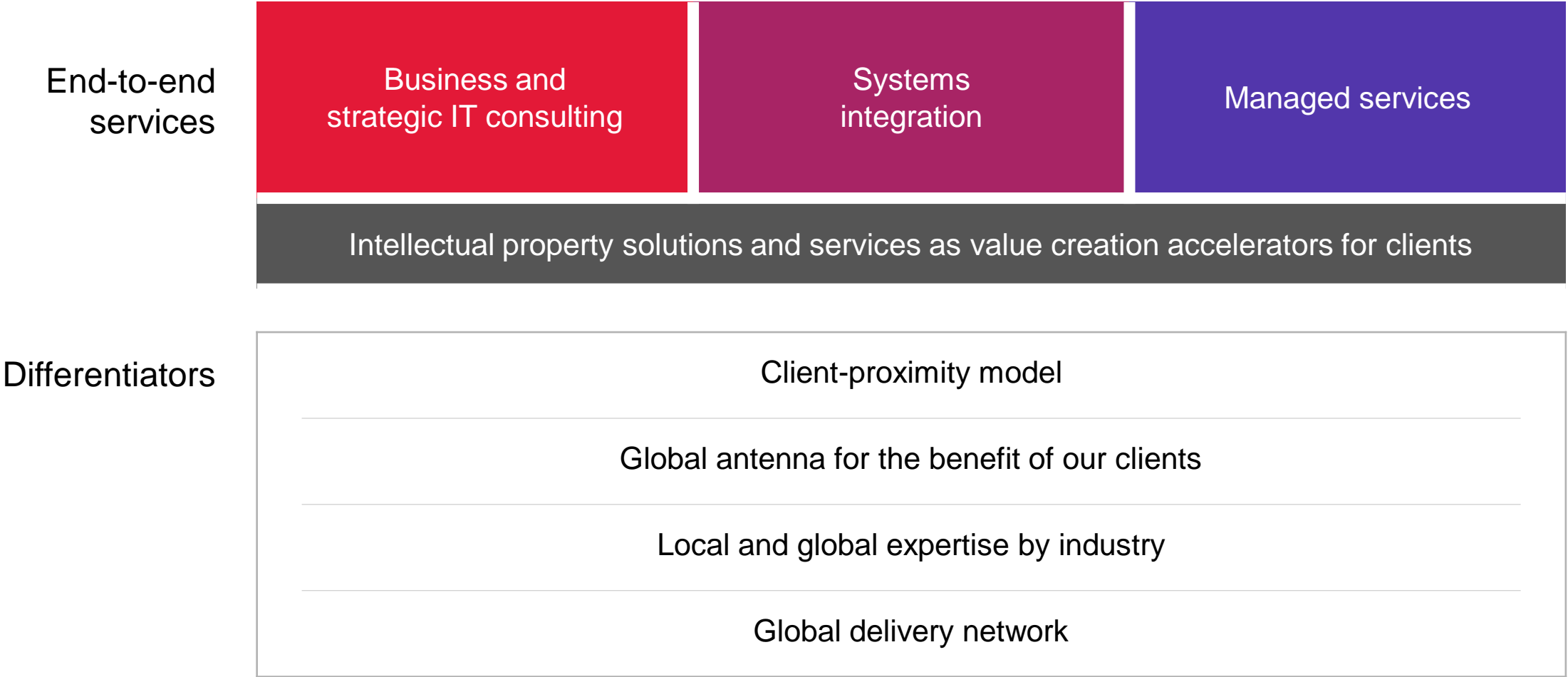
# CGI at a glance

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**CGI** is one of the world's largest independent providers of independent IT business process services.



# Range of services and differentiators



# Developing an integrated H<sub>2</sub> value chain



# Shift toward a sustainable energy landscape

## Fossil

Hierarchic

One direction

Demand driven

Predictable

Energy has value

## Renewable

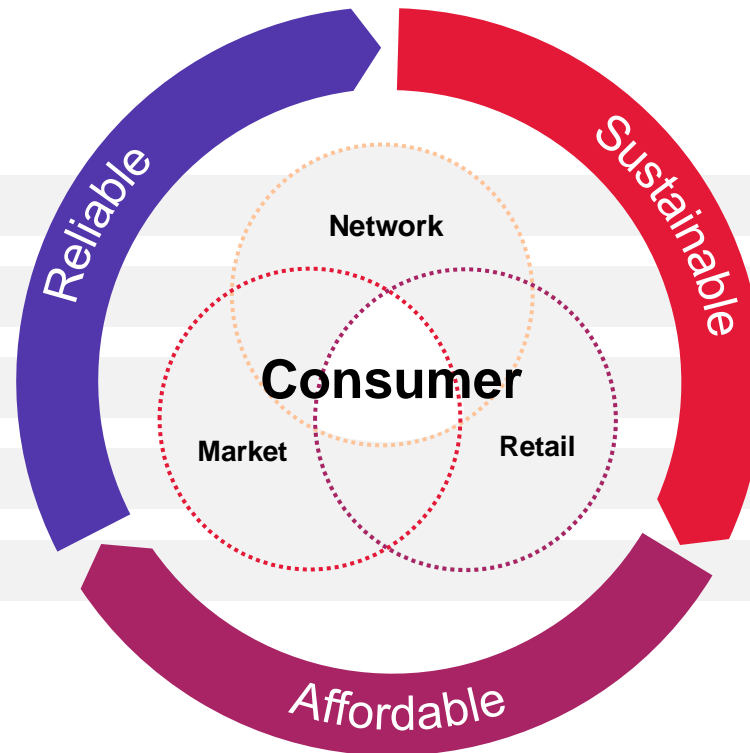
Distributed

Two directions

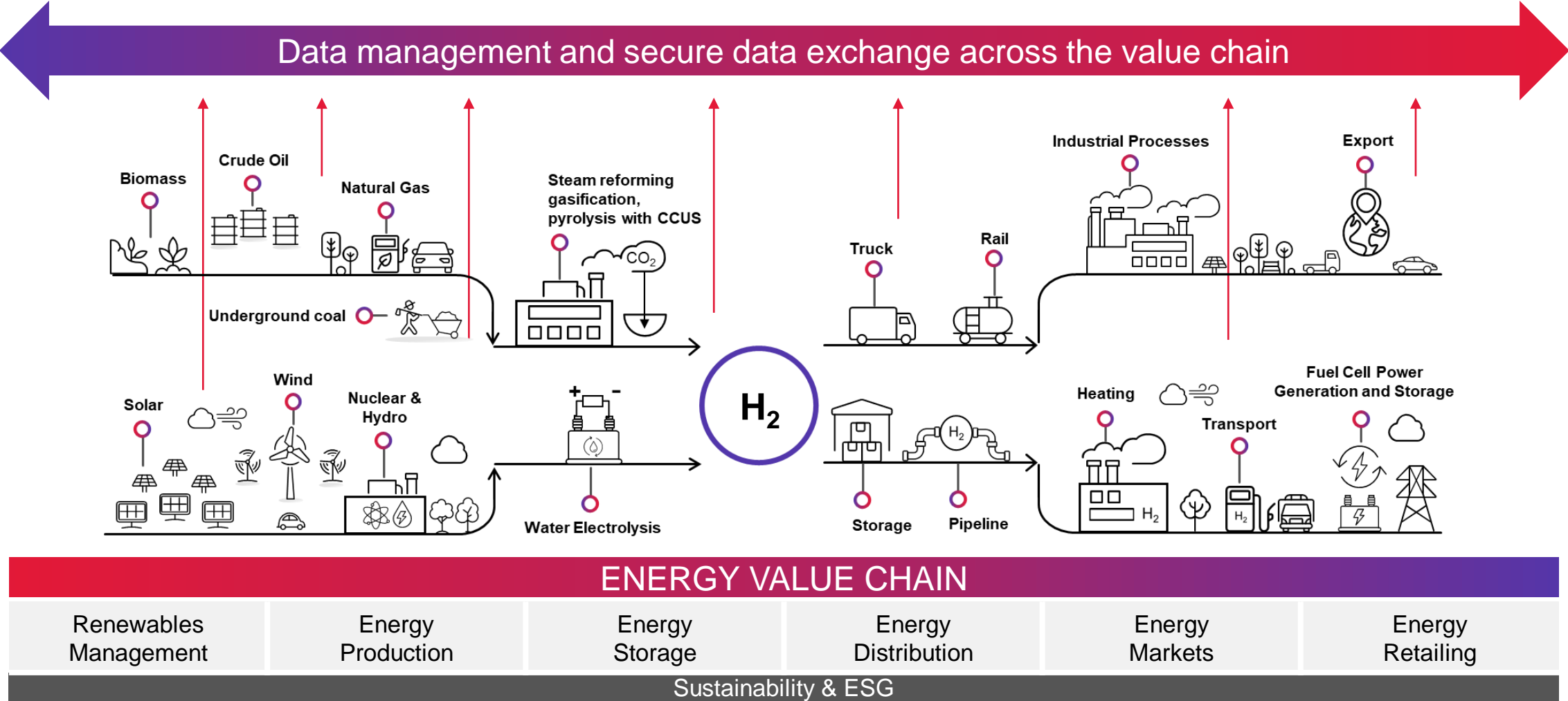
Supply driven

Unpredictable

Flexibility has value

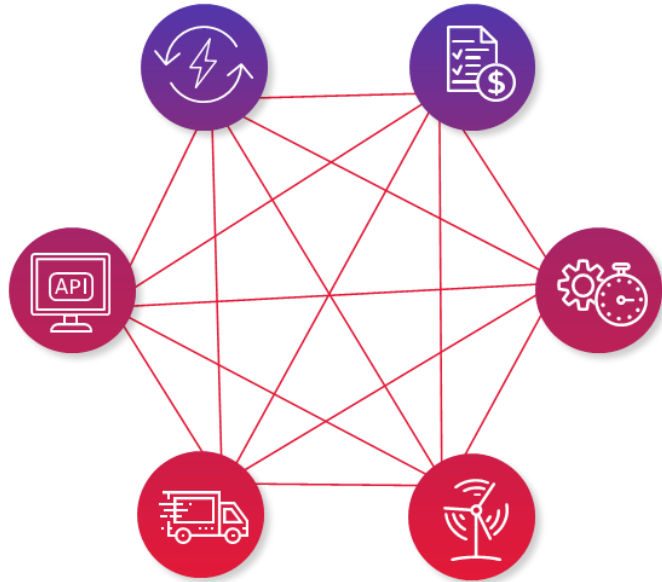


# Developing an integrated sustainable Hydrogen Value Chain



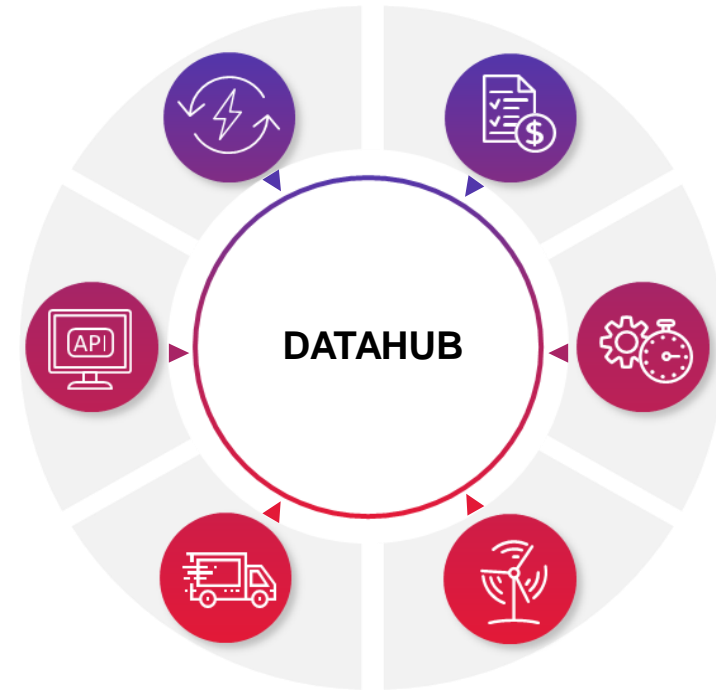
# Optimization of information exchange in a de-regulated market

## Market parties



De-centrally balanced

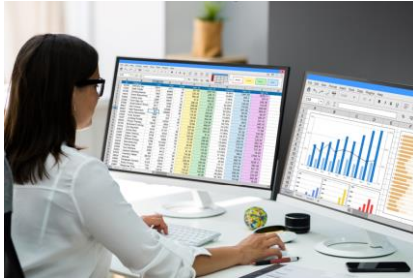
## Central Market Facilitation



Centrally balanced

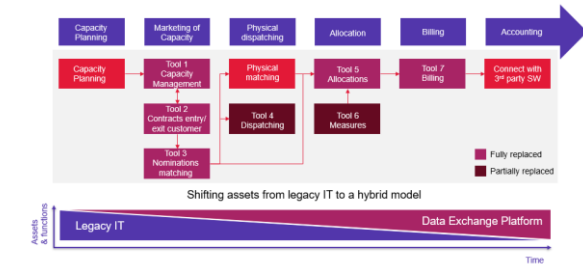
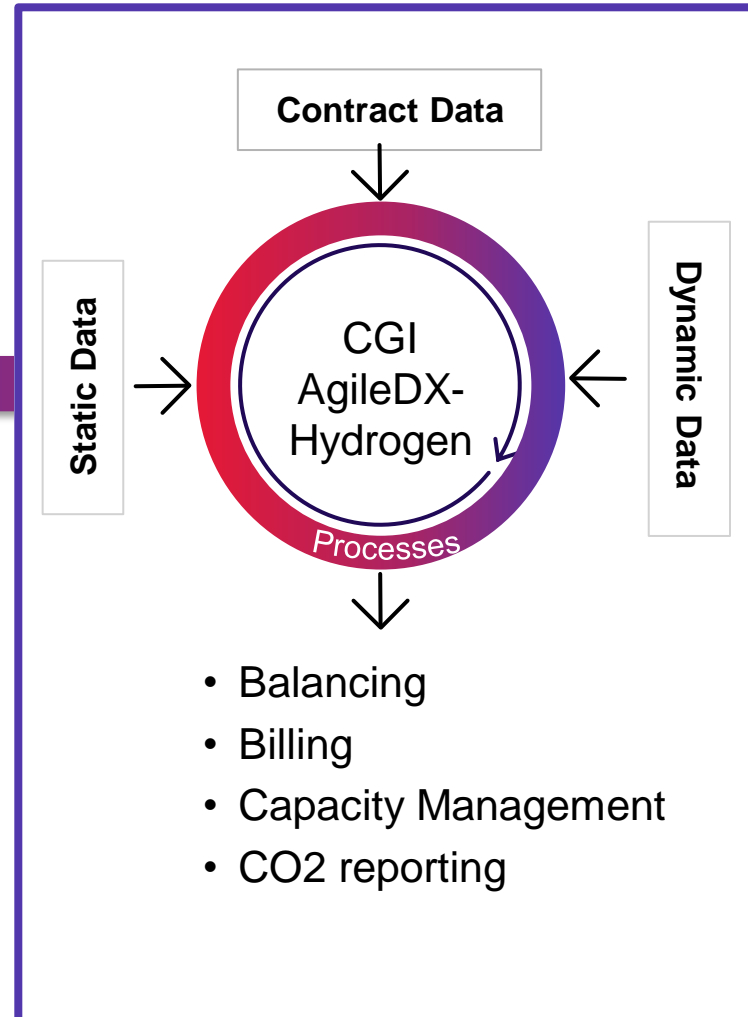


# Challenge to integrate hydrogen data into existing IT landscape



## Manual processing

- No automation possible
- Quantity structure cannot be mapped
- External effect



## Processing with existing IT

- Extensive need for adaptation
- High costs due to complexity
- Differentiation from natural gas necessary



# Lessons learned translated into critical success factors



Operational ready industry templates and modular solution decreasing implementation time.



Enabling the automation and optimization of hydrogen data gathering.



Highly configurable, adaptable and scalable model supporting current and future market models.



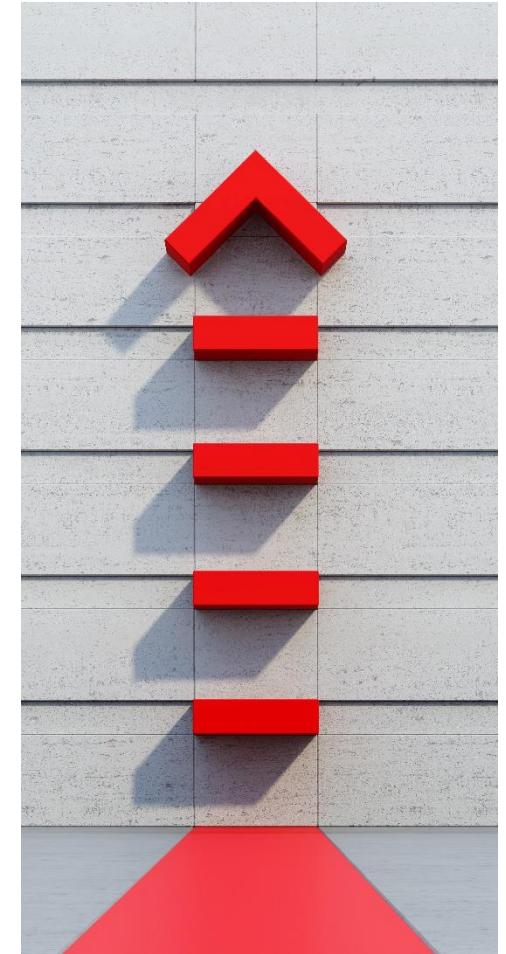
Allows custom integrations with an existing IT-infrastructure, via REST and SOAP APIs.



On-Premise as well as Cloud ready, allowing lower IT-infrastructure and maintenance costs.



Role based access; full transparency yet secure by design.





For additional information on CGI's  
role in the Hydrogen Economy

To continue the conversation:

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