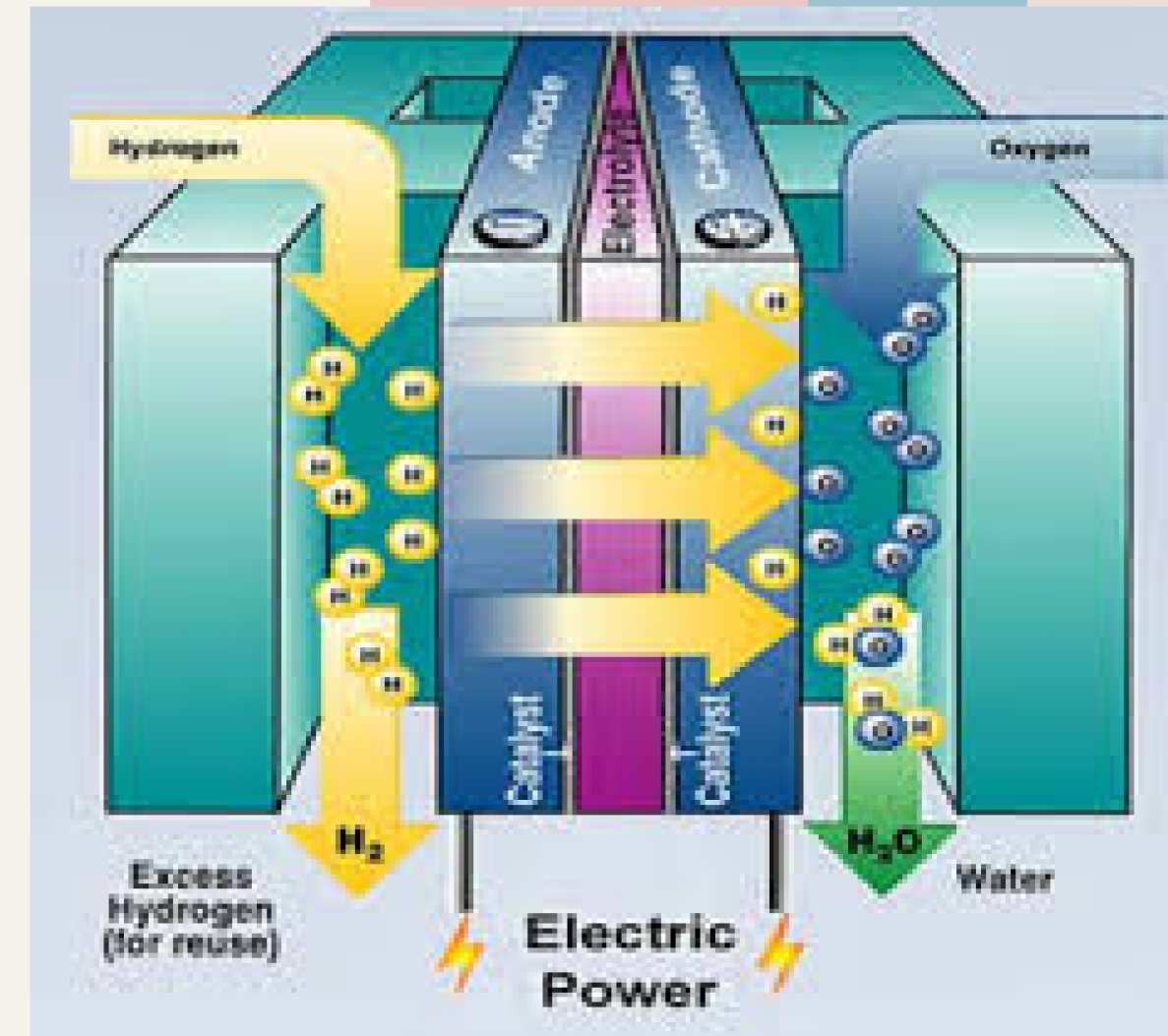



HYDROGEN FUEL CELLS



INTRODUCTION


Hydrogen fuel cells therefore are one of the few technologies that can qualify to be described as revolutionary in the energy industry. Hydrogen fuel cells generate electricity through an electrochemical process without the combustion of fuel and have water and heat as emissions.





ENVIRONMENTAL AND EFFICIENCY BENEFITS

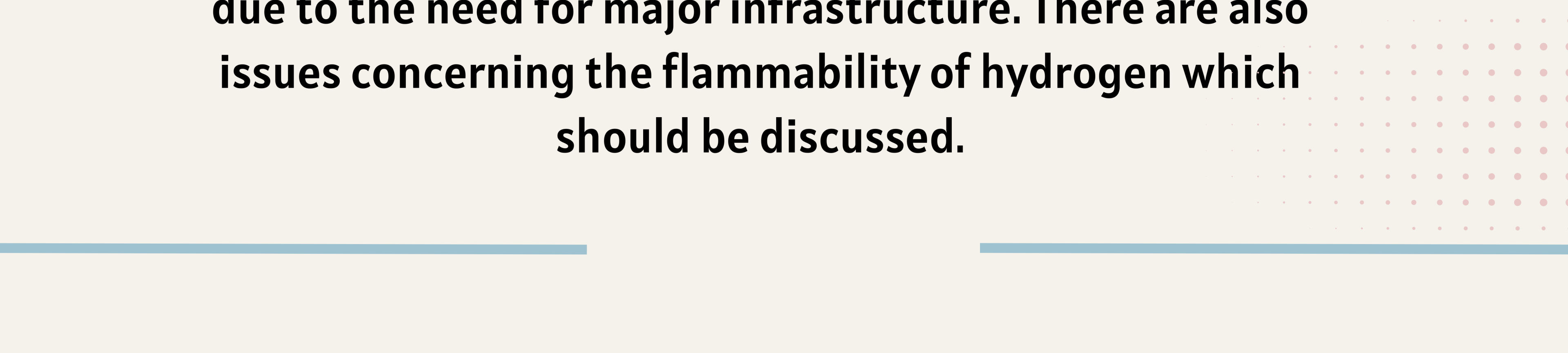
Fuel cells that use hydrogen eliminate the use of fossil fuels hence reducing emission of green house gases and other air pollutants. They emit only water vapors, this makes them ideal options in fighting the effects of climate change and creating healthy atmosphere.





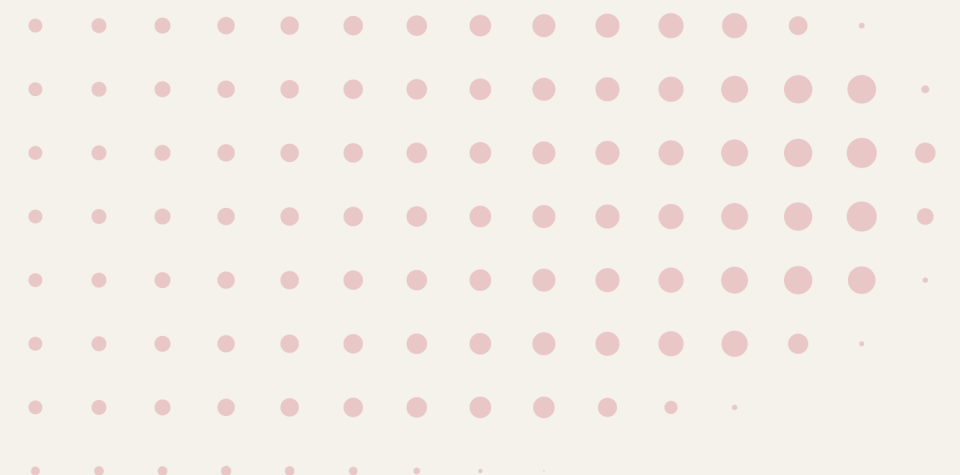
CHALLENGES AND SOLUTIONS

However, hydrogen fuel cells have the following challenges: Hydrogen generation, storage and transportation are capital intensive business ventures due to the need for major infrastructure. There are also issues concerning the flammability of hydrogen which should be discussed.



CONCLUSION

Hydrogen fuel cell can be regarded as one of the key technologies for the post-carbon and post-petroleum era. Is the hydrogen fuel cell the key to our freedom from fossil fuels and global warming and the efficient answer to our energy needs? which with further development and investments and the introduction of new technologies can be a key player in the company's energy market.



RESOURCE

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