

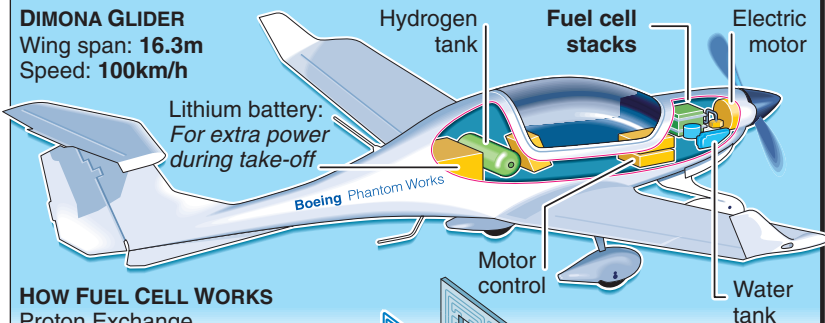
# Fuel-cell plane ready to take off

Aerospace company Boeing is preparing to carry out test flights on an aircraft propelled solely by a fuel cell. The tests will evaluate the potential application of fuel cell technology – which is cleaner, quieter and more efficient than oil-based technology – for future commercial aviation

## DIMONA GLIDER

Wing span: 16.3m

Speed: 100km/h



## HOW FUEL CELL WORKS

Proton Exchange Membrane – **PEM** – coated with catalyst

**HYDROGEN**

### Chemical reaction:

Positive proton of hydrogen atom splits from negative electron

Sources:  
Boeing,  
Diamond Aircraft  
Industries, Aerlyper

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