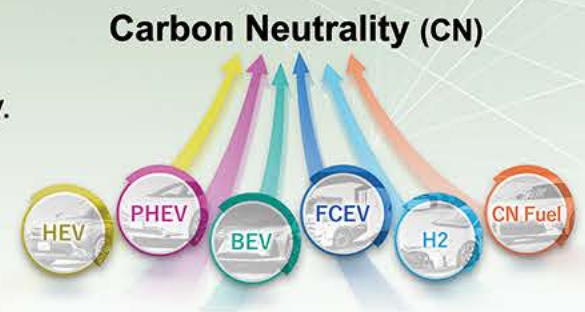


# Hydrogen: One Part of Our Multi-Pathway Strategy

## Multi-Pathway Strategy

Toyota concurrently develops and provides multiple mobility-power options to meet diverse regional needs and reflect the future of energy. This "multi-pathway" approach is a practical way to promote wider adoption of electrified vehicles and steadily reduce CO<sub>2</sub> emissions.

**HEV** Hybrid Electric Vehicle    **PHEV** Plug-in Hybrid Electric Vehicle  
**BEV** Battery Electric Vehicle    **FCEV** Fuel-Cell Electric Vehicle

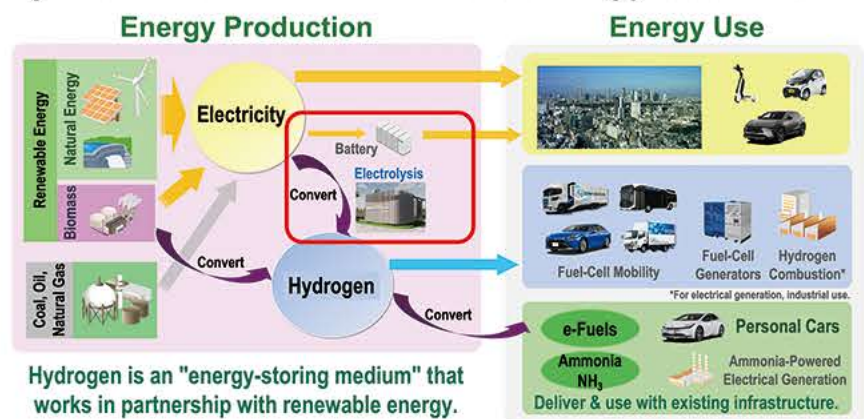


## Background

At Toyota, we believe that carbon neutrality requires building a society that is powered by both electricity and hydrogen, coexisting and generated from renewable energy sources.

Converting electricity to hydrogen enables to store it for long periods. Hydrogen can play a key role as an energy-storage medium.

- Hydrogen is light so that fuel cell system is relatively light and compact.
- Duration for refueling hydrogen is short.
- Hydrogen can also be used to create carbon-neutral fuels (like e-fuels or ammonia fuels).



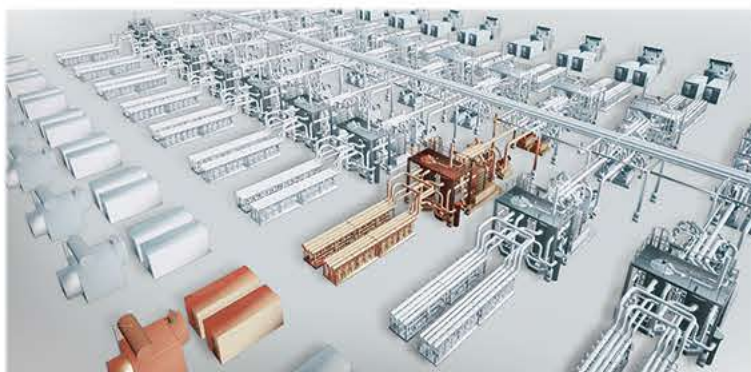
## Technologies & Services

Toyota offers technical solutions for a wide range of products even outside the automotive space, leveraging the fuel-cell technology it developed for the Mirai - the world's first fuel-cell automobile.

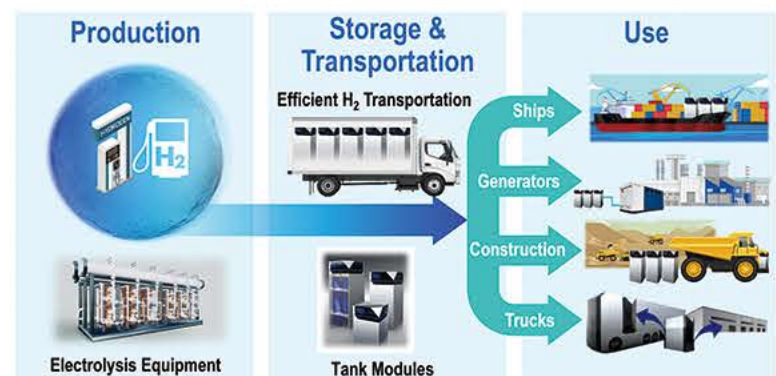


## Future Action

Beyond application of fuel-cell technology in various products on the hydrogen-use side, Toyota will also tackle the development of products for producing, storing, and transporting hydrogen.



Concept Drawing of Plant-Scale Hydrolysis Equipment (800MW Class)



Product Groupings for Contributing to Overall Hydrogen Value Chain