Let’s Bust Some Myths About Hydrogen

The case for hydrogen fuel cell vehicles and fueling is growing. But misinformation about its safety, viability, cost, and environmental impact persist.

**MYTH:** Hydrogen gas is hazardous to store or use. Due to its nontoxicity and low volatility, hydrogen can be less hazardous than conventional fuels.

**FACT:** Unlike conventional fuel tanks, a hydrogen tank spill is non-toxic to the environment.

**MYTH:** Hydrogen-fueled vehicles are not a practical long-range solution. Excepting hydrogen, there are several ways to generate hydrogen, and most of them are more environmentally friendly than fossil fuels.

**FACT:** Most hydrogen production processes reduce or eliminate CO₂ emission.

**MYTH:** Hydrogen is not environmentally friendly or sustainable. Using hydrogen in a fuel cell creates no smoke or waste, and the only outputs are energy and pure water.

**FACT:** Conventional fuel remains cheaper today, but the price of green hydrogen continues to fall.

**MYTH:** Hydrogen is too expensive. Working on developing safe, leak-tight systems?

**FACT:** Contact our clean energy specialists to learn more about solutions for hydrogen fueling systems.

**FACT:** Carbon capture technology, while expensive, offers a way to sequester carbon and permanently store it or use it for industrial purposes.

**FACT:** The price of green hydrogen is projected to be cheaper than natural gas by 2050.

**FACT:** High-quality components reduce the occurrence and cost of unexpected maintenance.

**FACT:** There are several ways to generate hydrogen, and most of them are more environmentally friendly than fossil fuels.

**FACT:** Conventional fuel remains cheaper today, but the price of green hydrogen continues to fall.

**FACT:** Contact our clean energy specialists to learn more about solutions for hydrogen fueling systems.

**FACT:** Fuel cell buses will be cheaper to operate than electric and internal combustion buses by 2024.*

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*Deloitte prediction based on total cost of ownership/USD per 100km.

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**MYTH:** Hydrogen has high energy density and can deliver a comparable driving range to traditional fuels.

**FACT:** There are several ways to generate hydrogen, and most of them are more environmentally friendly than fossil fuels.

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**FACT:** When handled and maintained properly, pressurized gas storage is safe. A global multibillion-dollar industry has been producing and transporting hydrogen for decades.

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