Historical challenge

Nitrogen in the soil is essential for plants to grow. After crops are harvested, nitrogen in the soil must be replenished. This is done via ammonia.

The solution

From 1909-1913, Fritz Haber and Carl Bosch developed a process to make ammonia from air.

Today, Haber-Bosch-produced fertilizers feed half of the world's 8.2 billion people!

Today's challenge

95% of ammonia comes from grey hydrogen production generating over 680 million metric tons of CO₂ per year, or the equivalent of over 100 million gas-powered cars on the road.

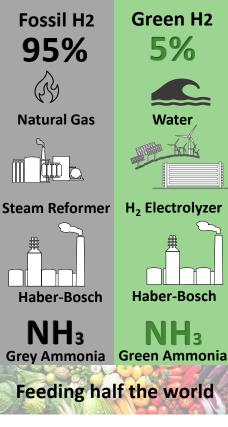
Shifting to water-electrolysis, we can produce ammonia without CO₂ emissions.

4 billion people rely on ammonia-based fertilizers for their food supply.

It's time to make it green. With renewable energy, we can continue to feed the world without producing greenhouse gases.

CLEANPOWER





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