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Advising Greentech companies
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A Hydrogen Whiskey Highball?





Now here's an application for hydrogen that will make many people happy



- Direct firing is the traditional method of distilling.
- It uses a direct flame to heat the still at much higher temperatures than steam coils.
- It is believed to create higher quality spirits.

But does the use of hydrogen impact that quality?

**Suntory Spirits
successfully completes
the world's first
hydrogen direct-fired
distillation trial**



Replacing Natural Gas with Hydrogen



Using hydrogen in place of natural gas posed a quality challenge

- The hydrogen pilot was conducted at a small-scale distilling R & D facility.
- It produced the spirit with the same quality and taste – a key milestone in the company's effort to decarbonize whiskey manufacturing.



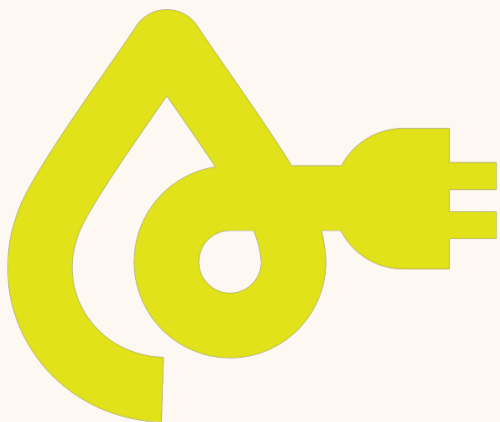
A Toast to Suntory



**The spirits industry
isn't in the top 10 of
emitters but every little
bit helps**

Next up:

In partnership with Supercritical Solutions, decarbonizing its whiskey manufacturing in Scotland using green hydrogen.



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Unbiased and Unfiltered

- An honest assessment of the climate change effort.
- I cover what's working – but more important - the issues/roadblocks that the industry would prefer to ignore.
- A must-read for anyone with a desire to understand what's really going on with renewable energy and climate change.



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