ARGUS HYDROGEN TAXONOMY



argus

Baseline

Business-as-usual steam methane reformation unit. Emissions released unabated.

BAT+

Best Available Technology, i.e. new-builds & retrofits, with Carbon Capture and Storage.

Low-C

Lowest technically achievable CO₂ emissions via fossil fuel reformation.

No-C

No CO2 is emitted during hydrogen production.





be produced CO2-free, using renewable energy and water, most existing production routes entail emissions, and lots of them.

Proper classification of It is necessary to assess any relative ment over fossil fuels, as well as the decardonisation value of It2

from differing sources, Yet the current passing convention (area, blue, area) and new prefer of classification in the Italy and the production of Italy and Italy area.

This definitional quagmire poses obstacles to market development and threatens public confidence. Argus proposes breaking the

unfit for purpose and at worst misleading. All fail to capture the variable that matters — carbon intensity.

	H2 Purity	Co2e kg/kg of H2*	Pressure	Example Colours	
Baseline	99.9%	<11.3 , >8.0	30 bar	Grey	Yellow
BAT+	99.9%	<2.88, >1	30 bar	Blue (SMR+CCS retrofits)	
Low-C	99.9%	<1, >0.5	30 bar	Blue (ATR+CCS),	Turquoise
No-C	99.99%	⟨0.01	30 bar	Green	Purple

Source: Argus Media 2022

