



HYDROGENICS
SHIFT POWER | ENERGIZE YOUR WORLD

CHBC Hydrogen and Fuel Cells in Ports and Shipping Workshop

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Scale Consumption Matches Scale Supply:

Multiple Heavy Duty Port Applications Coupled with Remote 100% Renewable Hydrogen Production to Bring Down TCO

Let's do some math:



100 X



1 X



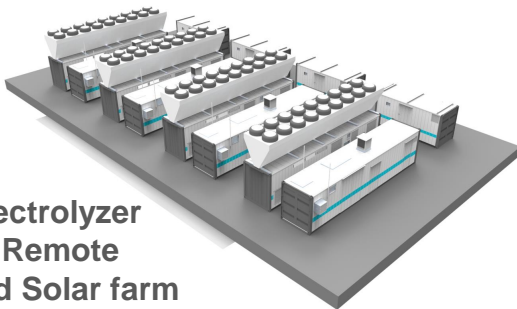
1 X



can easily consume ~4,000 kg of hydrogen per day, and supply of this scale of hydrogen can come from

2 X

5 MW Electrolyzer
Block in Remote
Wind and Solar farm

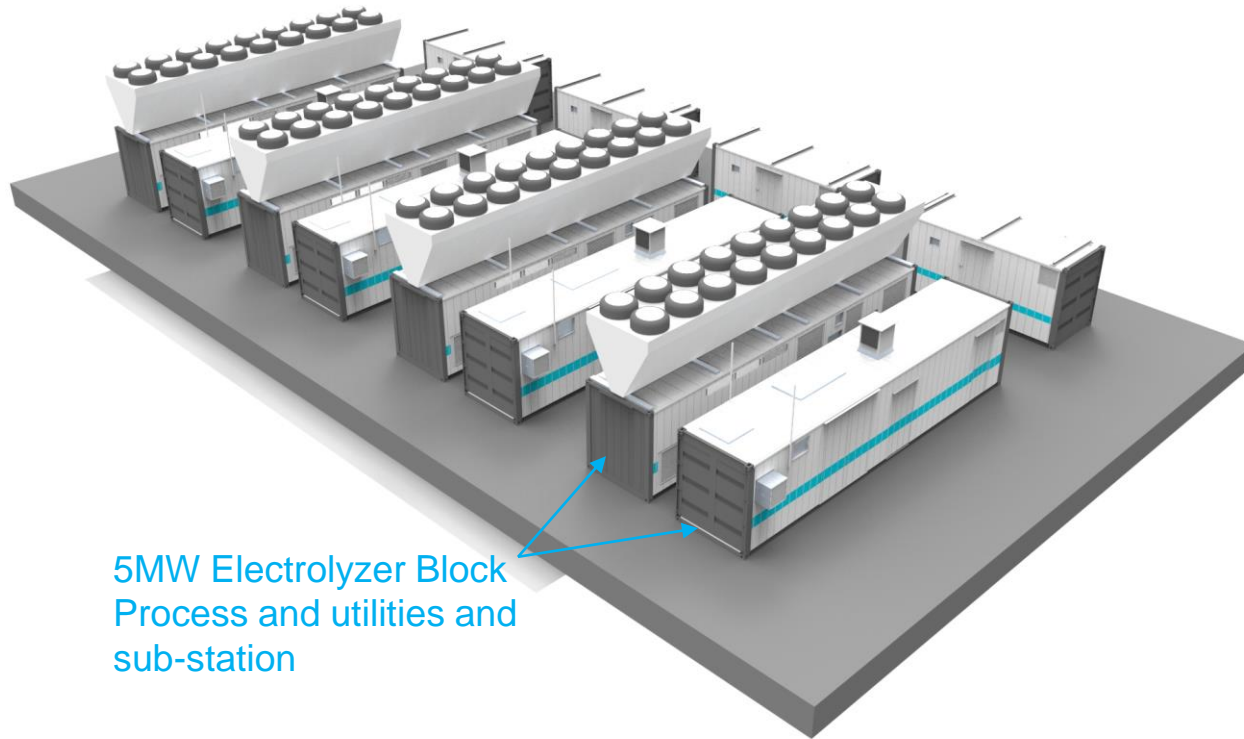


Multiple
Dispensers in and
close to ports



This Scale Bundled Hydrogen Solution can Multiply to Substantially Bring Down the Cost Through Planned and Committed Projects

Scalable Modular Hydrogen Electrolyzer



5MW Electrolyzer Block
Process and utilities and
sub-station

- 5MW Electrolyzer Blocks Product Development
- 2000 kg/day of H₂ per 5MW block
- This compact 4 x 5MW plant = 8000kg/day or enough for 250-300 buses
- 55 kWh/kg all-in

