

DOCKETED	
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Future Proof Microgrids

Hi,

We would like to propose adding metrics to the analysis based on Local Emissions (NOx, SOx, PM) to the analysis of future projects to support EV charging. Our methanol to hydrogen systems emit no NOx, SOx, or Particulate matter while generating power to BESS systems or direct to EVs.

Additional submitted attachment is included below.

Kaizen CleanGen 200

Clean mobile power **where**
and **when** you need it

APPLICATIONS: EV charging • Microgrids • Events & concerts • Construction

- **OFF-GRID POWER**

200kW modular design scalable to MWs

- **MOBILE**

no permanent infrastructure

- **35–100% REDUCED CO₂**

versus diesel gensets

- **LONG DURATION POWER**

12+ day autonomy

- **LIQUID FUEL**

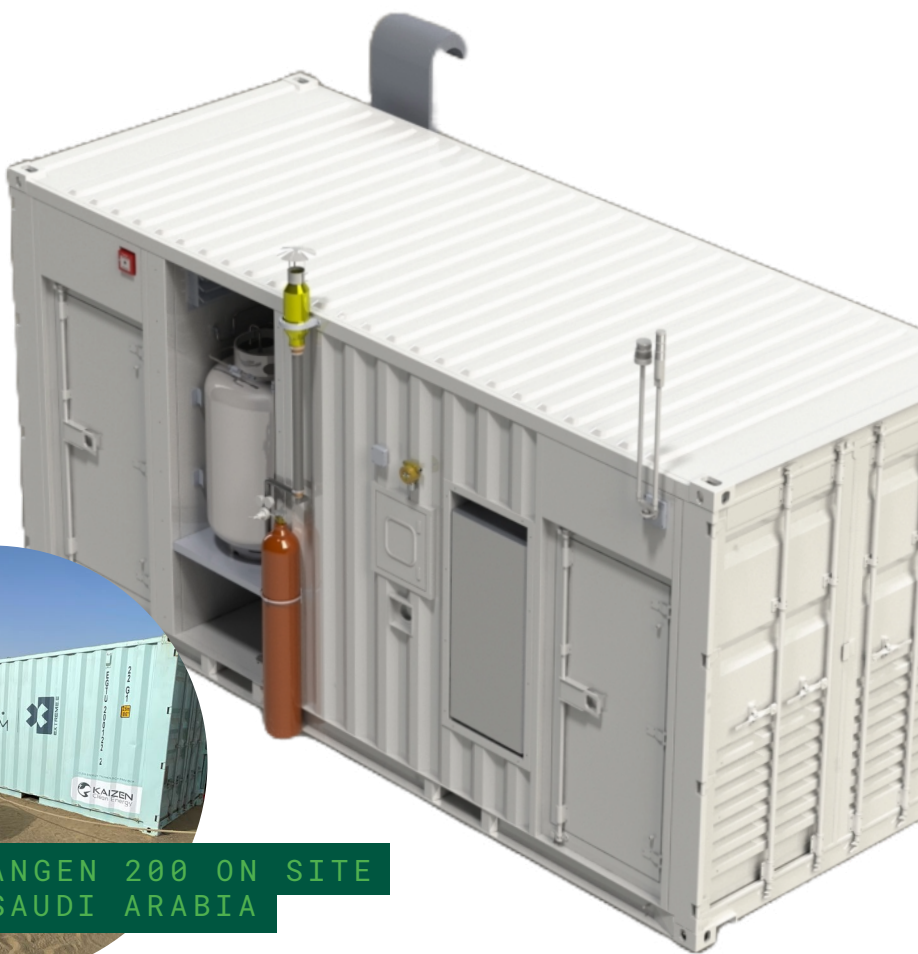
easy to refuel

- **LOW COST**

half the kWh cost of
diesel gensets

- **NO NO_x OR PM**

easy to permit



CLEANGEN 200 ON SITE
IN SAUDI ARABIA

CLEANGEN 200

5

POWER DELIVERY

DC fast charging
Grid forming & grid following

480V 3 PHASE

4

STORE/DISCHARGE

96kWh nickel-zinc battery
300kW peak discharge

3

GENERATE POWER

200kW PEM fuel cell

2

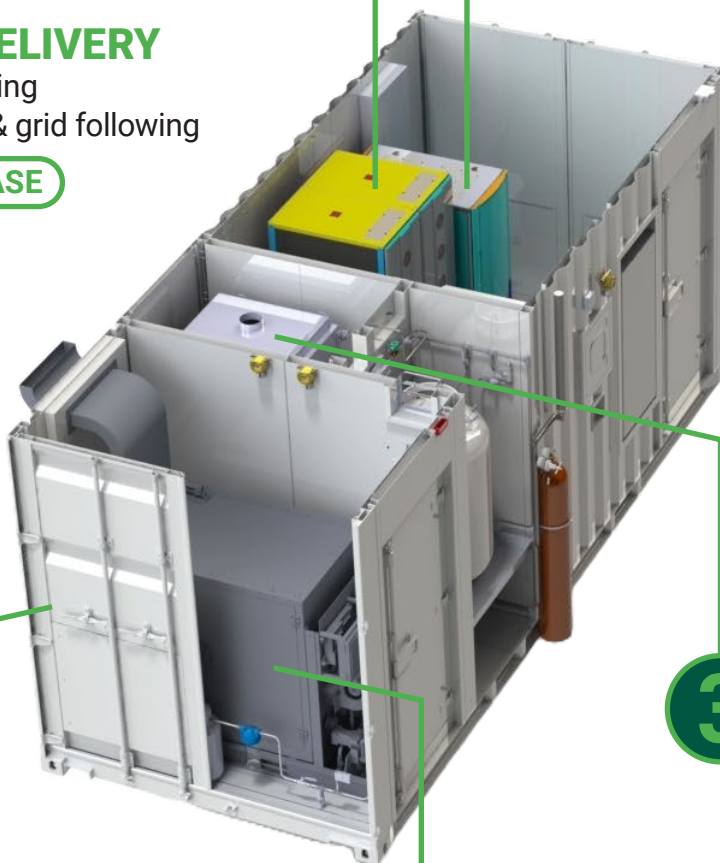
PRODUCE HYDROGEN

Produces 230kg per day

1

LIQUID FUEL

12+ days of on-site
energy storage



PERFORMANCE

Rated power	200kW / 250kVa
Peak power	300kW / 375kVa
Maximum energy	3.5MWh per day
Emissions	No NO _x , SO _x , particulates 35–100% CO ₂ reduction vs. diesel gensets 75db at 5m
Operating conditions	-15°F to 105°F
Dimensions	20ft x 8ft
Weight	15,000 lbs

FEEDSTOCK

Composition	67.5% methanol 32.5% deionized water
Consumption	33 g/h
On-site storage	20-ft tank = 48MWh 12+ day autonomy



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