



OilPro Oilfield Production Equipment Ltd.

530 Cleveland Crescent S.E.
 Calgary, Alberta
 T2G 4A9
 CANADA



UCES: Uninterruptible Critical Energy Supply *Energized by PowerGen*



Benefits

Ultra-reliable, grid-quality electricity

Lowest cost/W, high efficiency

5650W, 120/240/360AC, 12/24DC

Run **any** fuel gas (<1000 ppm H₂S)

Zero VOC emissions

80,000hr + design life

Replace TEGs/fuel cells do more!

PowerGen 5650

CAP³ Wellsite Energy System example

The CAP³ system combines an ultra-efficient 4.3 to 5.56 kW PowerGen Stirling engine energy source with ultimate reliability. The 80,000 hr+ continuous duty-rated PowerGen runs on any combustible gas like Propane, or wellhead gas (up to 1,000 ppm). The PowerGen can concurrently run: an instrument air package; a high-power battery charging system; direct electrical power for instruments and controls; up to 60,000 BTU/hr for 1,500' of glycol heat tracing or other on-site heating needs.

PowerGen c.w. 2x 120VAC outputs + 12/24VDC
 Skid Component combinations:

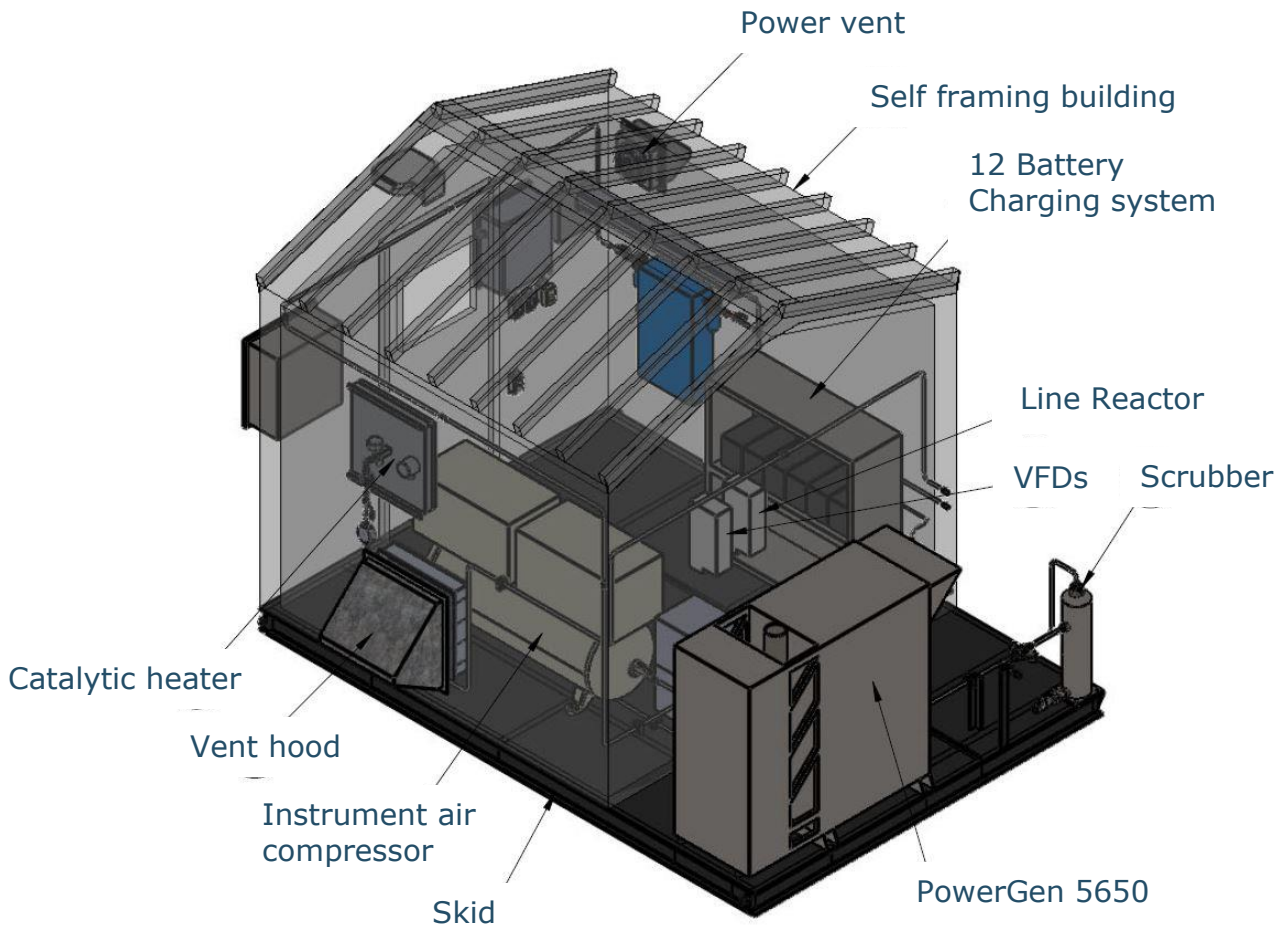
- Fuel Gas Scrubber, insulated heat traced
- Air Compressors/tank/dryer/filters
- VRU system
- Chemical pumps
- Batteries/charger/cabinet
- Gas detection
- Glycol Heat Tracing, 60,000 BTU up to 1,500'
- Cathodic Protection rectifier
- Electrical instruments and control power
- Cellular/radio Tower/booster power
- HVAC: Power fan/heater/thermostats/vents
- Manual Transfer Switch/ panels/JB's/lights





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Note: Drawing is of Beta version

Improve Reliability & Economics; Gain Safety & Environment Credits:

Replace gas-driven pneumatics with:

1. *Clean, dry air*
2. *electric power*
3. *+ adding available glycol heat tracing*

Eliminate:

- a. *freeze-ups*
- b. *production downtime*

and realize short and long-term savings with less downtime & reliable operations.

Increase Safety:

- air vs combustible gas is also key in explosive environments
- housing batteries in controlled environment prevents exploding batteries
- eliminate condensation problems with TEGS, causing fires.