



Nedstack
PEM FUEL CELLS

To be sure.

NEDSTACK MW PEM FC POWER PLANT

GENERAL DESCRIPTION OF THE APPLICATION

The Chlorine industry produces vast quantities of hydrogen as a by-product. In many cases, this hydrogen is not fully utilized. Nedstack PEM fuel cells offer an excellent opportunity to maximize the energy recovery from this hydrogen, yielding a saving of up to 20 % on the electricity consumption of the chlorine plant. In addition, the heat from the fuel cells can be reused in the process, adding even more savings on energy consumption.



FEATURES

- zero-emission
- CHP
- Scalable (1 to multi-MW)
- Easy transportation
- Turn Key
- Services:
 - Commissioning
 - Operator training
 - Remote monitoring
 - Remote support

OPERATION AND MAINTENANCE

- Continuous, fully automated operation
- Low maintenance, 2 yr frequency:
 - stack exchange
 - de-ionizer exchange
 - filter cleaning
 - calibration of sensors

TYPICAL OUTPUT	1 MW PEM FCPP	2 MW PEM FCPP
Electrical		
Fuel Cell Power output	: 1000 kWe DC	: 2000 kWe DC
Net rated output	: 900 kWe (380 V AC, 50 Hz)	: 1800 kWe (380 V AC, 50 Hz)
Electrical efficiency	: 50 % (LHV)	: 50 % (LHV)
Thermal		
Power output	: >500 kW @ 65 °C	: >1000 kW @ 65 °C

MORE INFORMATION

For more information contact our sales department at:

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