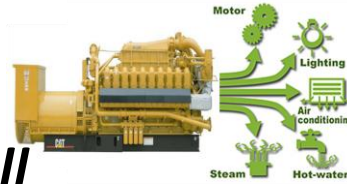


# COGEN™ SYSTEMS

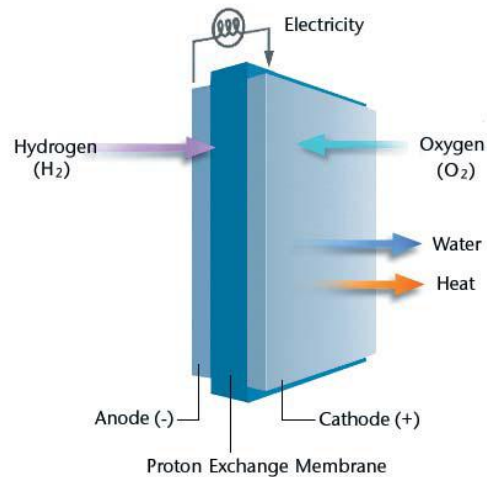
## Elecet.Gen.Hydrogen Fuel Cell



### An Alternate Fuel of Today.

Address: 111-A/2,3<sup>rd</sup>. Street,Phase-6,Kh-e-Muhafiz,DHA,Karachi-75500,Pakistan,, Ph-0092-21-35340068, 35340071, Mob-009221-8287009 E-mail:cogenpak@gmail.com,Web:www.cogensys.pk,

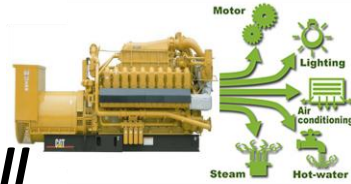
- Hydrogen Gas Fuel Cells for Electric Power
- a new alternative for Reliable Backup Power Generation & Energy storage,as UPS & Data Centers & other Critical applications - extended periods.
- No more struggle to have cumbersome combination
- of batteries and diesel generators, previously the only option
- Now available Proton Exchange Membrane
- (PEM) fuel cell technology - use fully integrated fuel cell power modules , high performing power.
- using hydrogen Gas as a means of energy storage.
- H2 Fuel Cell is a device that converts chemical energy from Hydrogen and oxygen into electrical energy to produce an Electrical current.
- PEM fuel cells use hydrogen as Fuel and, as the hydrogen moves through a catalyst in the fuel cell, the protons and electrons are split. The



- When the electrons reconnect with the protons on the other side of the fuel cell they mix with oxygen - the only by-products of the electricity generating process are water and heat. & no noxious emissions and are virtually silent.
- PEM fuel cells is the replacement for the internal combustion engine of the automotive industry because of its quick ramp up time.
- PEM fuel cells begin producing a powerful electric current.
- outputs based on 7 and 10 kW modularity, with the ability to build up to 40 kW of power in a

# COGEN™ SYSTEMS

## Elecet.Gen.Hydrogen Fuel Cell



### An Alternate Fuel of Today.

Address: 111-A/2,3<sup>rd</sup>. Street,Phase-6,Kh-e-Muhafiz,DHA,Karachi-75500,Pakistan,, Ph-0092-21-35340068, 35340071, Mob-009221-8287009 E-mail:cogenpak@gmail.com,Web:www.cogensys.pk,

<p>electrons are forced to travel through a conductor to the other side of the cell, creating electricity.</p>	<p>single standard 19" server rack.</p>
--	---

## Powering Change with Hydrogen Fuel Cells

ELECTRICITY + WATER + HyLYZER™ = HYDROGEN

HYDROGEN + HyPM® XR = RELIABLE BACK-UP POWER

