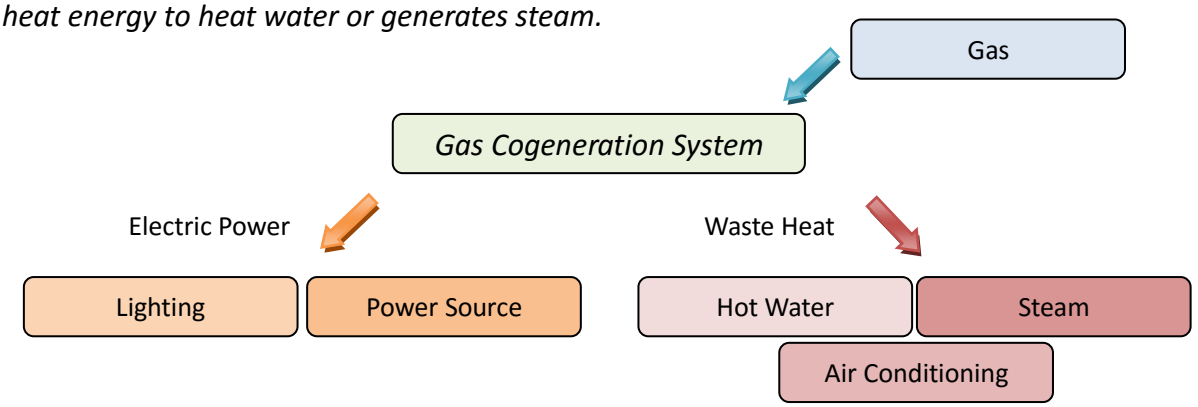
SNG Generator for "Genelite"

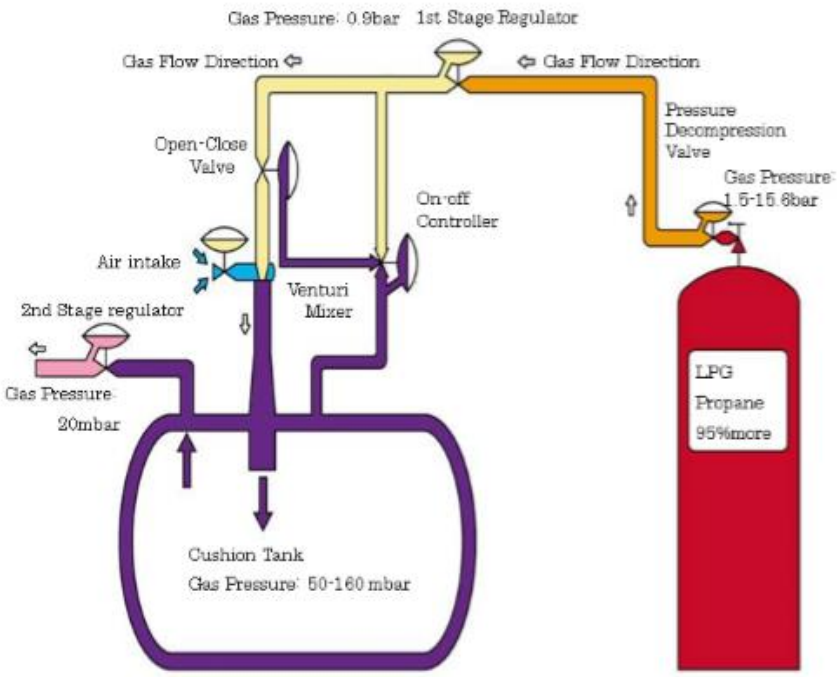
What is a Gas Cogeneration System? (Combined Heat and Power)

Gas Cogeneration Systems generate electricity from gas and at the same time, utilizes waste heat energy to heat water or generates steam.

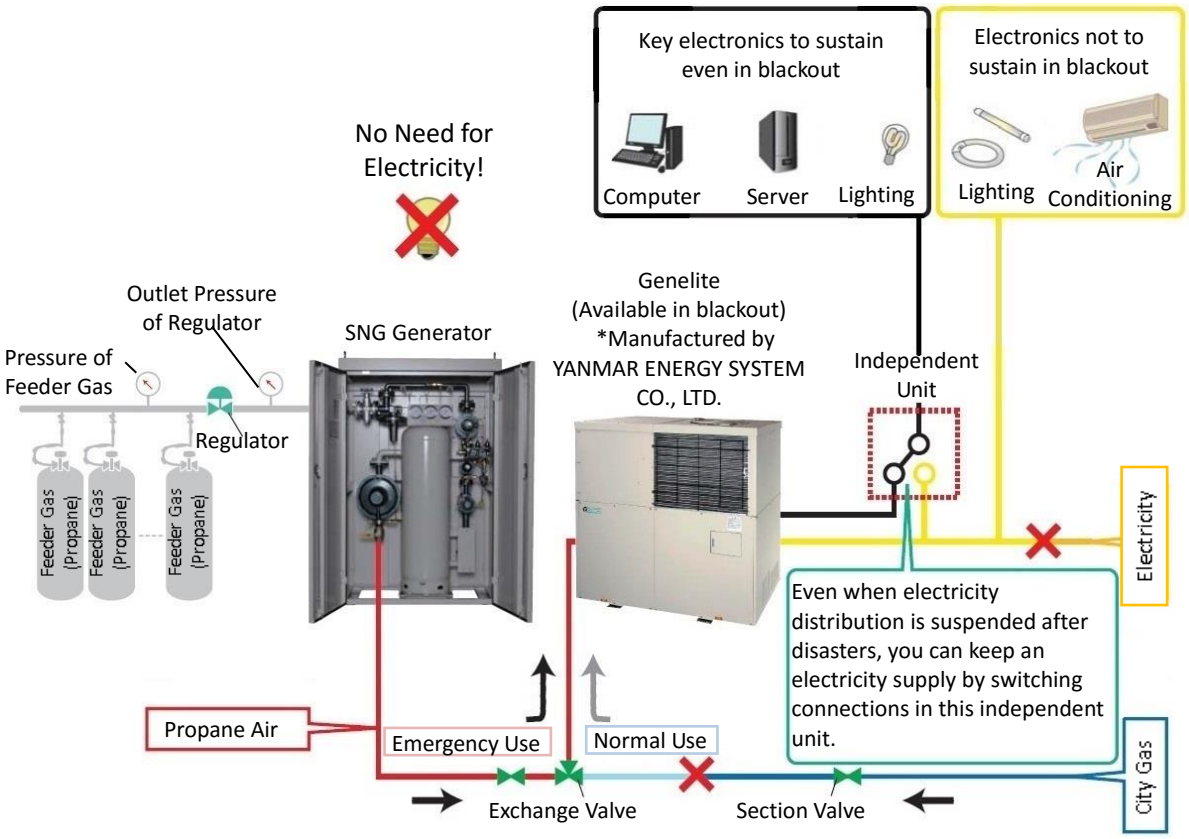


■ Natural Gas Cogeneration System using SNG as its Feeder Gas

In the event of a disaster, parts of a city's gas distribution might be suspended.
This system example consists of a YANMAR micro-cogeneration system "Genelite" and an ITO "SNG Generator". If the disaster causes both the electricity and gas supply to fail, the SNG Generator uses LPG (Propane) which is relatively easy to handle, transport and store, as its source for the synthetic natural gas to feed into Genelite. ***The generator can operate with most micro-cogeneration systems.***

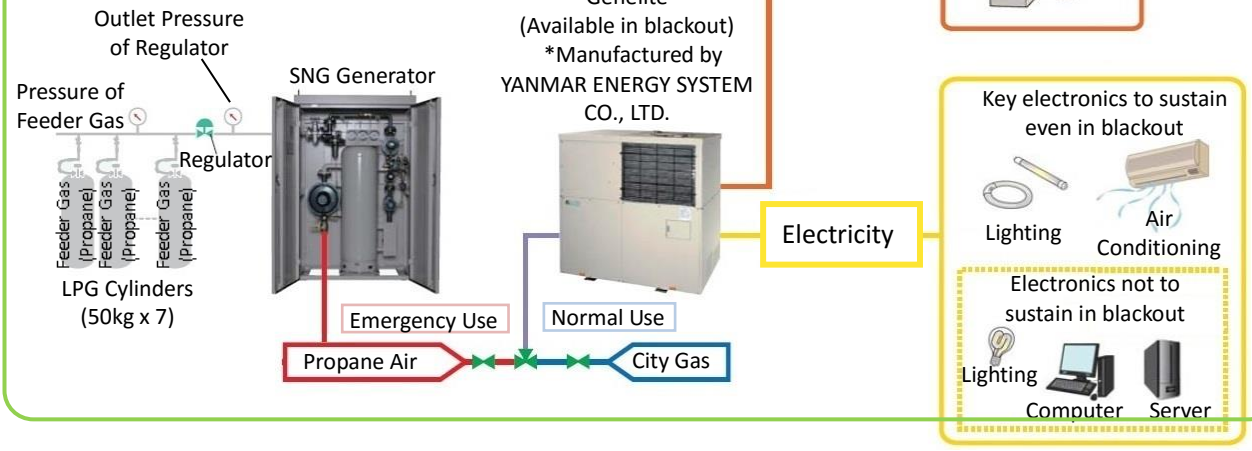


The ITO PA System – Basic Operation



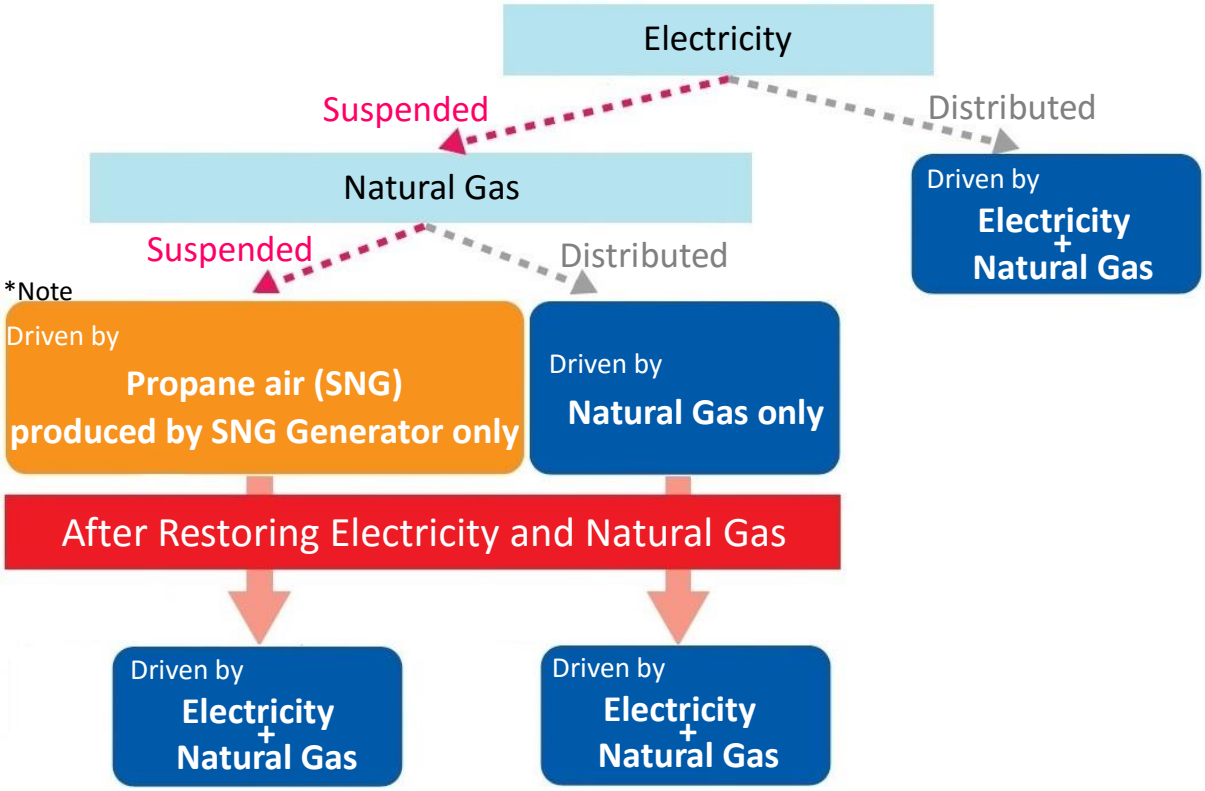
☆ Application at Hikone Gas Building by Osaka Gas Co., Ltd.

Genelite for 35kW



■ What energy is used to operate Genelite in emergencies?

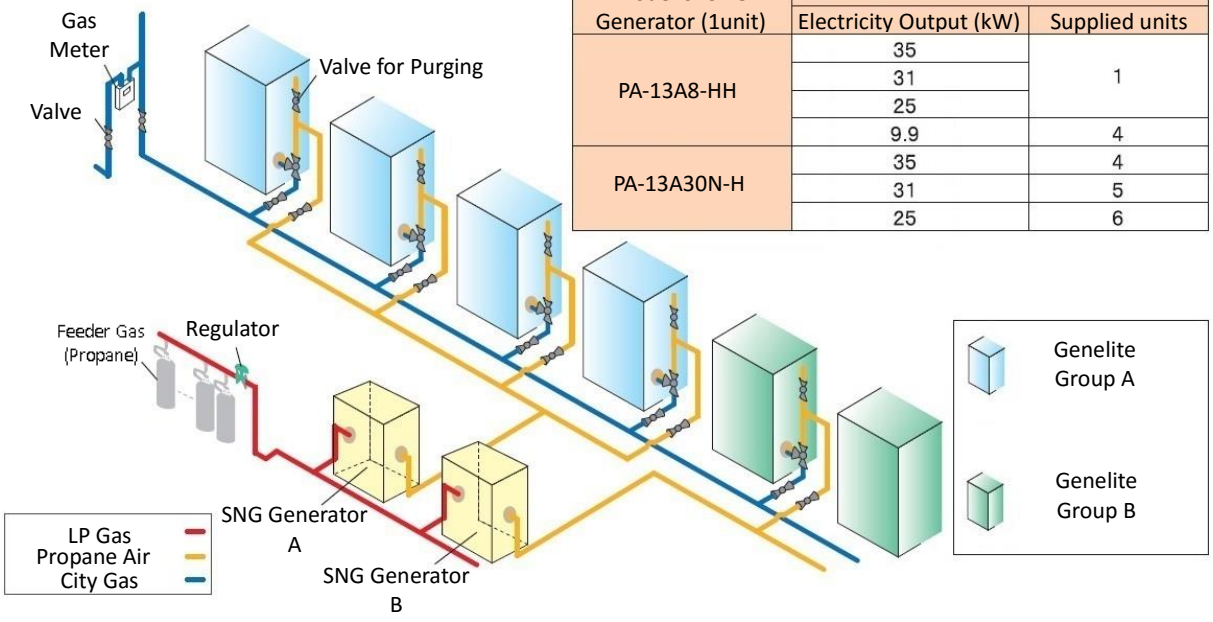
Propane air produced by SNG Generator will be used when both electricity and natural gas distribution networks are disconnected.



*Note

- Shut-off of natural gas triggers alarms in Genelite. So you need to reset them.
- SNG Generator starts operation by hand.

■ Installing several Natural Gas Cogeneration Systems using SNG as feeder gas



■How many units of Genelite can one SNG Generator supply gas to?

Model of SNG Generator (1unit)	Genelite	
	Electricity Output (kW)	Supplied units
PA-13A8-HH	35	1
	31	
	25	
	9.9	4
PA-13A30N-H	35	4
	31	5
	25	6

■ Specifications of SNG Generator

Model	PA-13A8-HH	PA-13A30N-H
Appearance		
Dimensions (mm)	W780 x H884 x D390	W1100 x H1780 x D596
Product Weight	Approx. 50 kg	Approx. 300 kg
Resource Gas	LP gas containing 95% or more propane gas (20% or more liquid LP gas should be left in each cylinder) Pressure: 0.15~1.56MPa	
Max Capacity of Mixed Gas (Nm^3/h)	8	30

ITO Europe Limited

9 Field View Offices, UBF Industrial Park

Bicester Road, Westcott, Buckinghamshire. HP18 0JX

United Kingdom

Telephone: +44(0)1296 655655

Email: sales@ito-europe.com

Web Site: www.ito-europe.com

PA System Web Page: http://www.ito-europe.com/products-2/pa-system/