

A large industrial generator, likely a Cummins model, is shown in a warehouse setting. The generator is mounted on a black metal frame and features a large, circular pressure gauge on top. It is surrounded by various pipes, hoses, and electrical components. The background shows the high ceiling and structural beams of the warehouse, with natural light coming from windows on the left. The overall scene is industrial and professional.

**Voltgent®**

# 2023 Voltgent Profile

**Voltgent®**

[www.voltgent.com](http://www.voltgent.com)

Company Presentation 2023



# About Voltgent

Voltgent is a manufacturer of off-shore containers and diesel generators. With rich experience in the industry, we have built a reputation for providing high quality, reliable and efficient off-shore containers and diesel generators for industry , energy storage system, oil & gas, data centers, telecom , rental, healthcare.



# Business Area

- Diesel Generator
- Natural Gas/LPG Generator
- Off-shore container



Diesel Generators 10-4000kVA



Natural Gas / LPG Generator



Off-shore container



***Voltgent***®

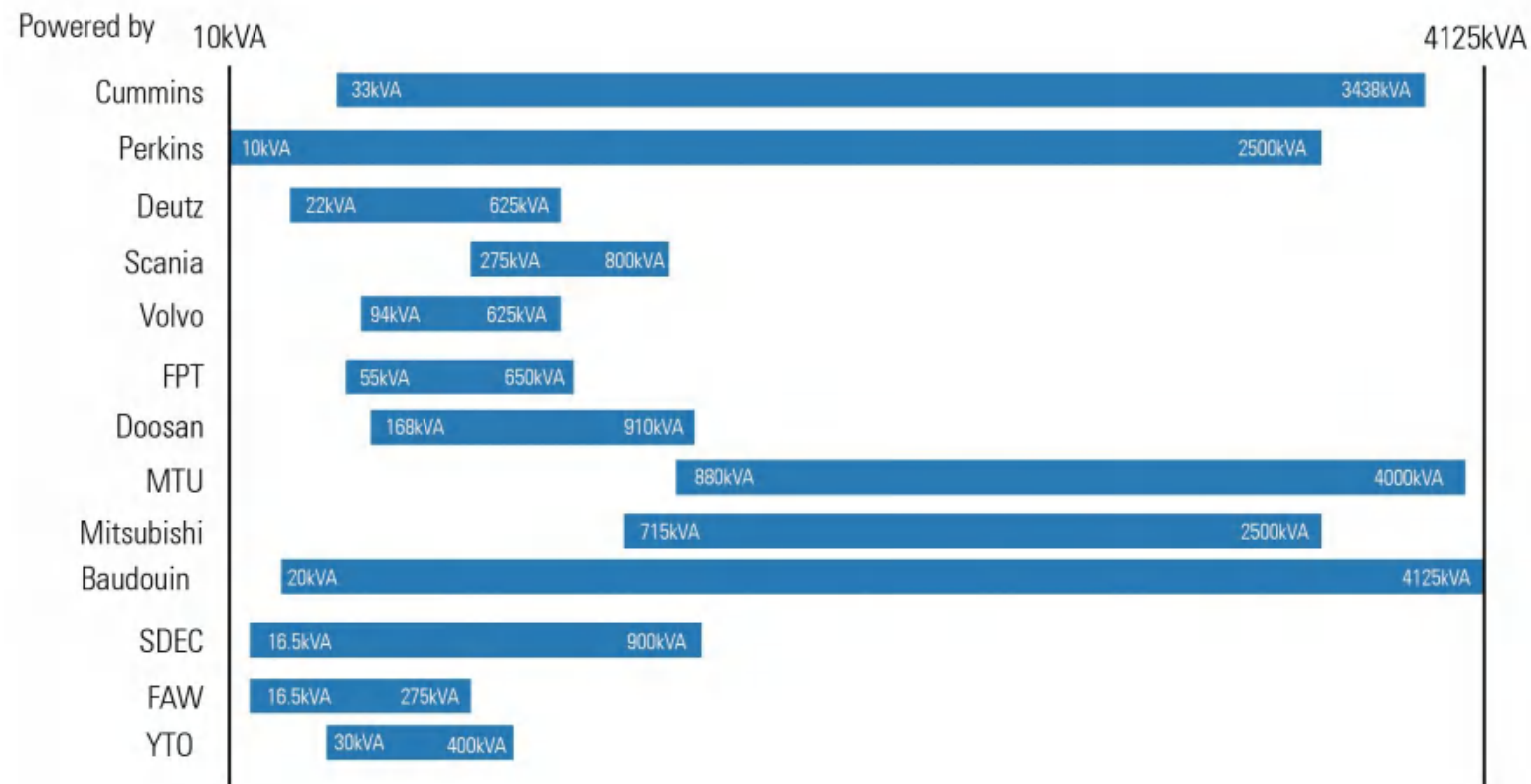
# 1 Products for Diesel Generators



[www.voltgent.com](http://www.voltgent.com)

# Diesel Generators

Voltgent provide you diesel Generators, single generator output rating from 10kVA to 4125VA.



## Brand work with

Voltgent work with leading brand in the world, provide you comprehensive solutions and deliver quality to you.





# Open-skid Generator

## Open-skid generator

→ Powered by MTU, Mitsubishi, cummins, Perkins, Baudouin, Volvo, FPT, Scania, Doosan, Deutz, YTO, FAWDE, SDEC

→ Optional voltage:

(1)

50HZ: 400V/3.3kV/6kV/6.3kV/6.6kV/10kV/10.5kV/11kV

(2) 60HZ: 380V/480V/4.16kV/6.6kV/13.8kV

→ Customized arrangement and design according to your application.



# Open-skid Genset details



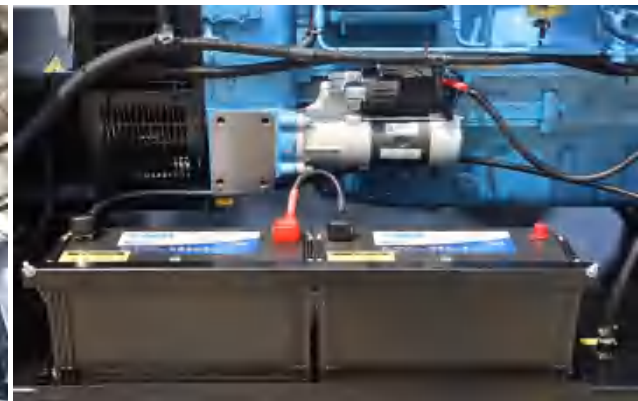
Side control panel location  
Varta battery



End control panel location



Acrylic electrical protection



Tool box holder



Connection cable cover  
Zero-start coolant preheater



Coolant overflow pot



Stainless fuel filler with primary filter





# Sound-proof Generator

Customized Sound-proof solution

- Canopy version diesel generator
- Rental canopy version diesel generator
- Mini-container version diesel generator
- 20ft/40ft container version diesel generator



Canopy Genset



Rental genset



Mini-container genset



20/40ft Container Genset

# Canopy Gensets details



Maintenance access  
sound-absorbing cotton



Maintenance access



Well wired & Acrylic electrical protection



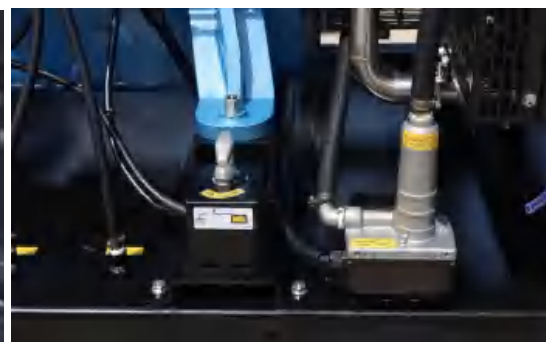
Stainless fuel filler  
tested at -45 degrees



coolant over-flow pot



hot part protection



zero-start coolant preheater



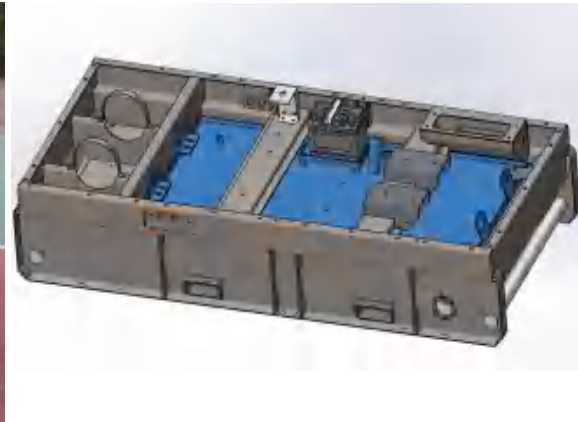
The oil pipe and relay are



# Rental Canopy Gensets details



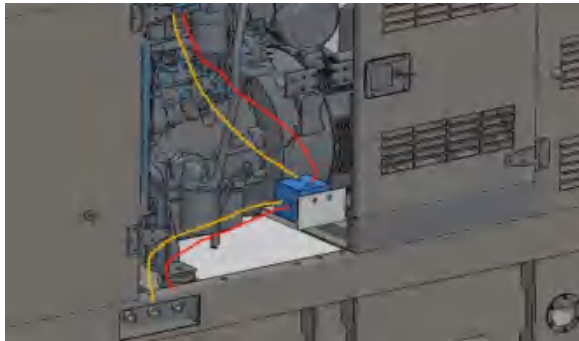
Drag bar  
drain



bunded fuel tank



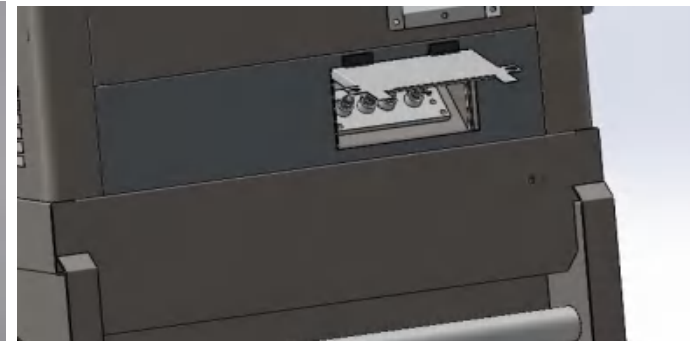
fuel



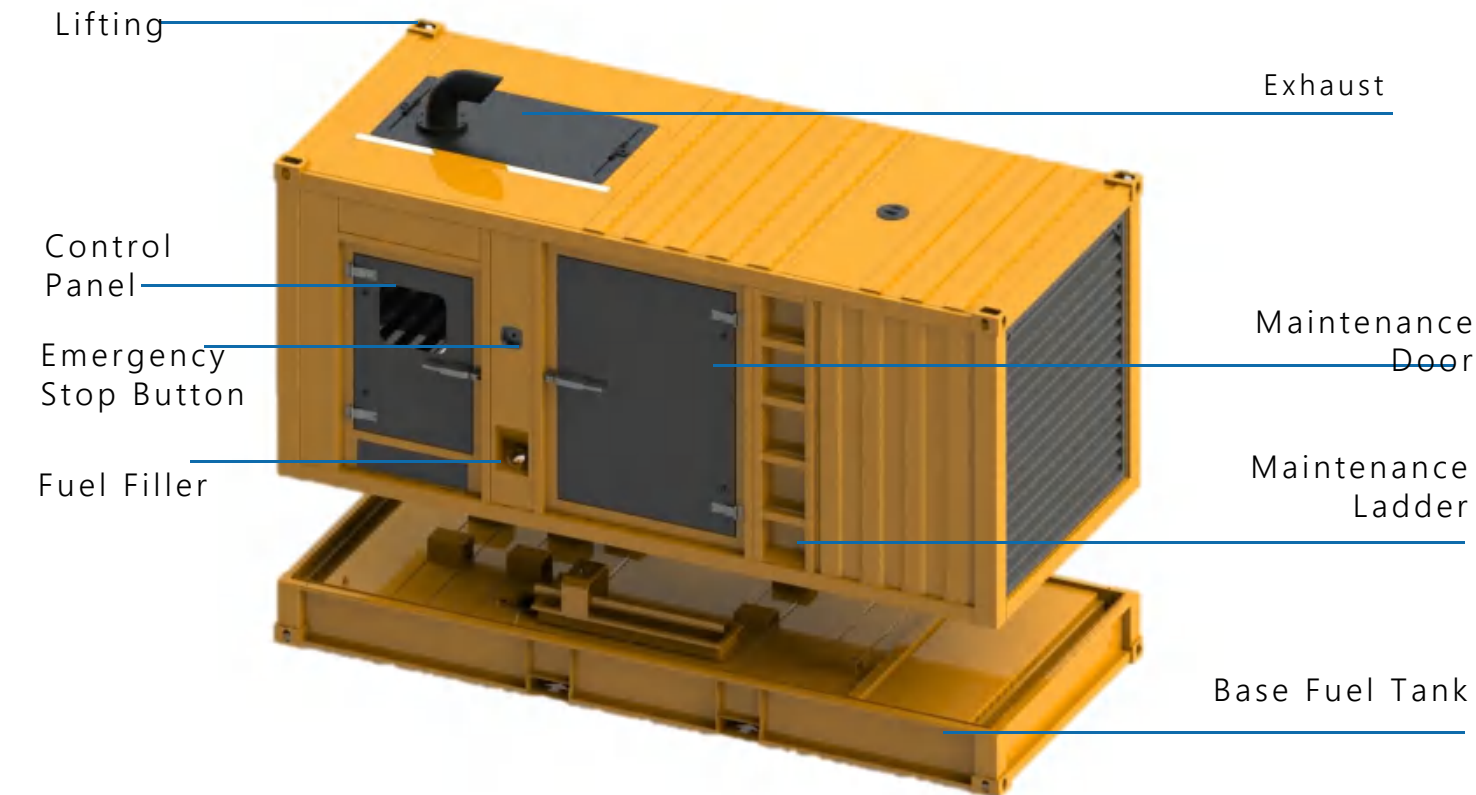
3-way valve  
external cabling



external fuel filler



# Mini-container Gensets details



→ Shipping Container Material Weathering Steel, stronger  
And higher corrosion resistance than normal cold/hot rolled Sheet

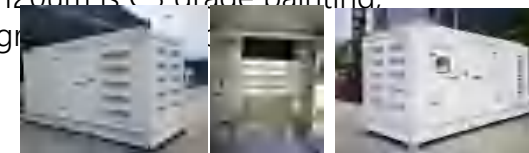
→ Higher Corrosion Resistance

→ Tensile Strength , Stronger

→ 30~40% heavier than canopy, which make genset more robust.

→ European brand painting material — Jotun

→ ISO9223, 120um is C3 grade painting, C5 marine grade





# Container Gensets details



- Shipping Container Material Weathering Steel
- weight up to 30 ton
- High Corrosion Resistance & Tensile Strength



Prevent animals from entering the net



Control panel and cable entry



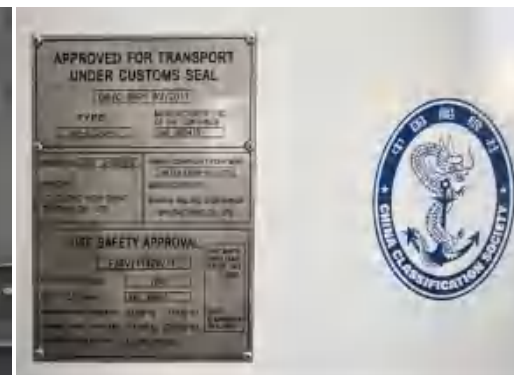
Jotun Painting ISO C3 grade painting



Lined With Fire-proof materials



Door latch



CSC Certificate

## Container internal details





# How we manufacture

## Metal Fabrication & Assembling



Laser Cutting



Bending



Welding



Pickling Phosphating



Powder Coating



Assembling



Painting



Shot blasting

# How we test

Load test | Protection test | optional accessories test



Load Test (30 mins)



Protection function Test: ①Low fuel level alarm ②Low oil pressure alarm  
③ High coolant temp alarm ④ Low coolant level alarm



Coolant preheater test



Fuel flow meters test



Fuel electrical pump & Oil electrical pump test



Coolant pump test



CAN communication test



# Optional Accessories

Optional Accessories for different application



Auto Louver



Horizontal/roof radiator



Customized fuel tank



Air condition



Heptafluoropropane fire  
extinguish system



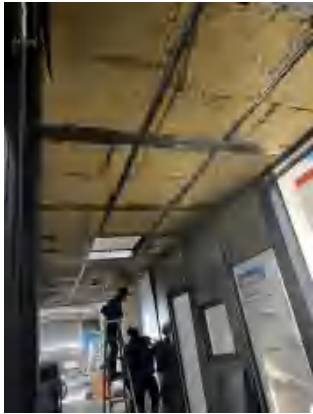
Sound-absorbing package (Super silent  
solution)





# Optional Accessories

Optional Accessories for different application



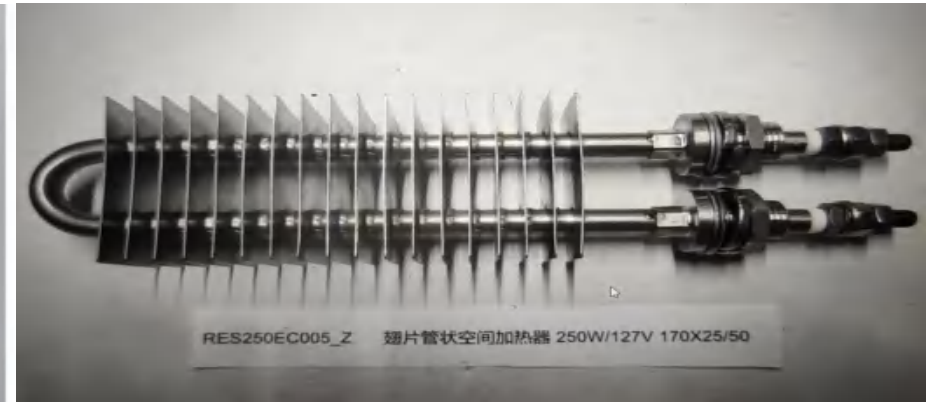
10cm rock-  
wool



ISO C5 Marine  
grade  
painting



Container space heater



Alternator space heater



230V/24V coolant  
preheater



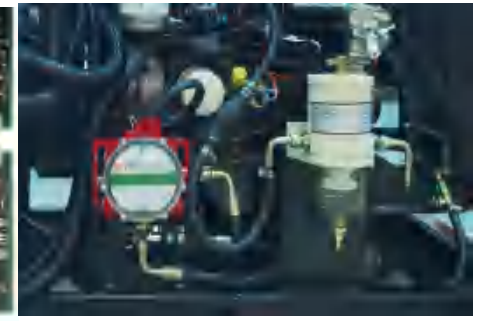
Fuel/coolant/oil pump



Fuel consumption  
counting



Remote control



Auto oil changeover

# Optional Accessories

Optional Accessories for different application



Coupling  
Transformer



Connection



synchronizing cabinet



output cabinet



ATS Cabinet



Load bank  
PT100(bearing and winding temp sensor)



CT



VT



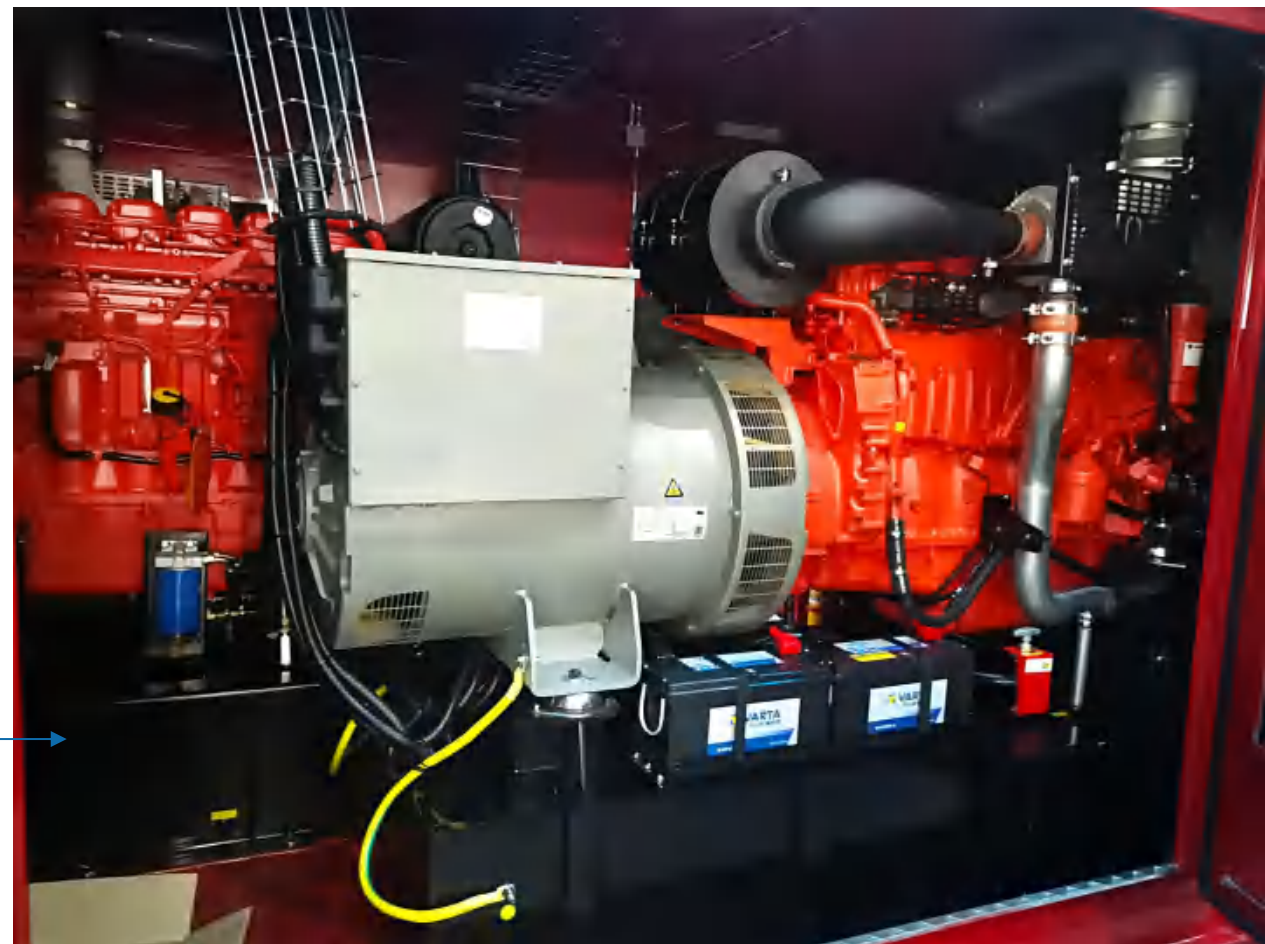
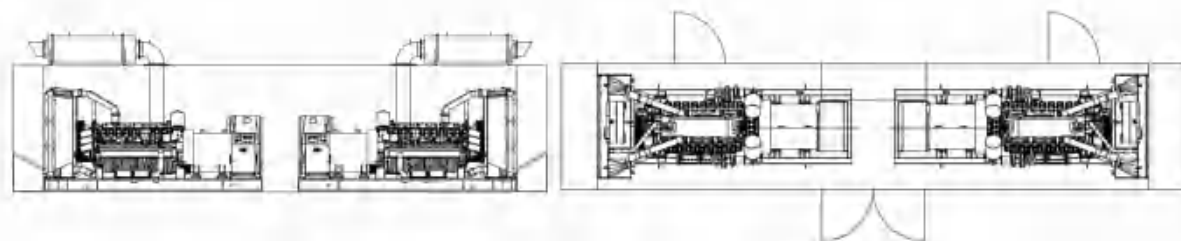
PMG



## Optional solution

TwinPower, two open-skid generator inside container, double the flexibility, twice the power:

- Two generators, 1 Box
- Optimized autonomy
- Reduced service cost
- Parallel package
- Environmentally Friendly

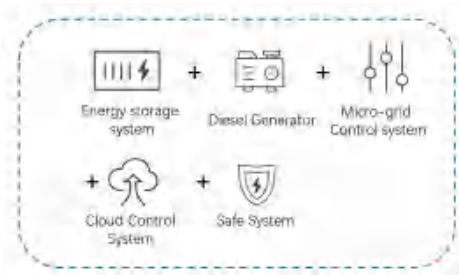
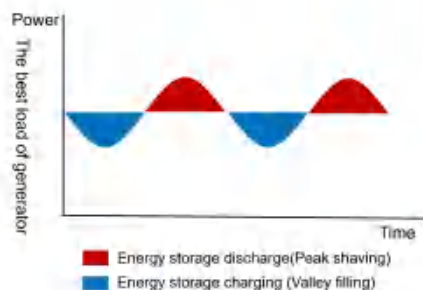




# Optional solution

Customized Hybrid Solution for rental company

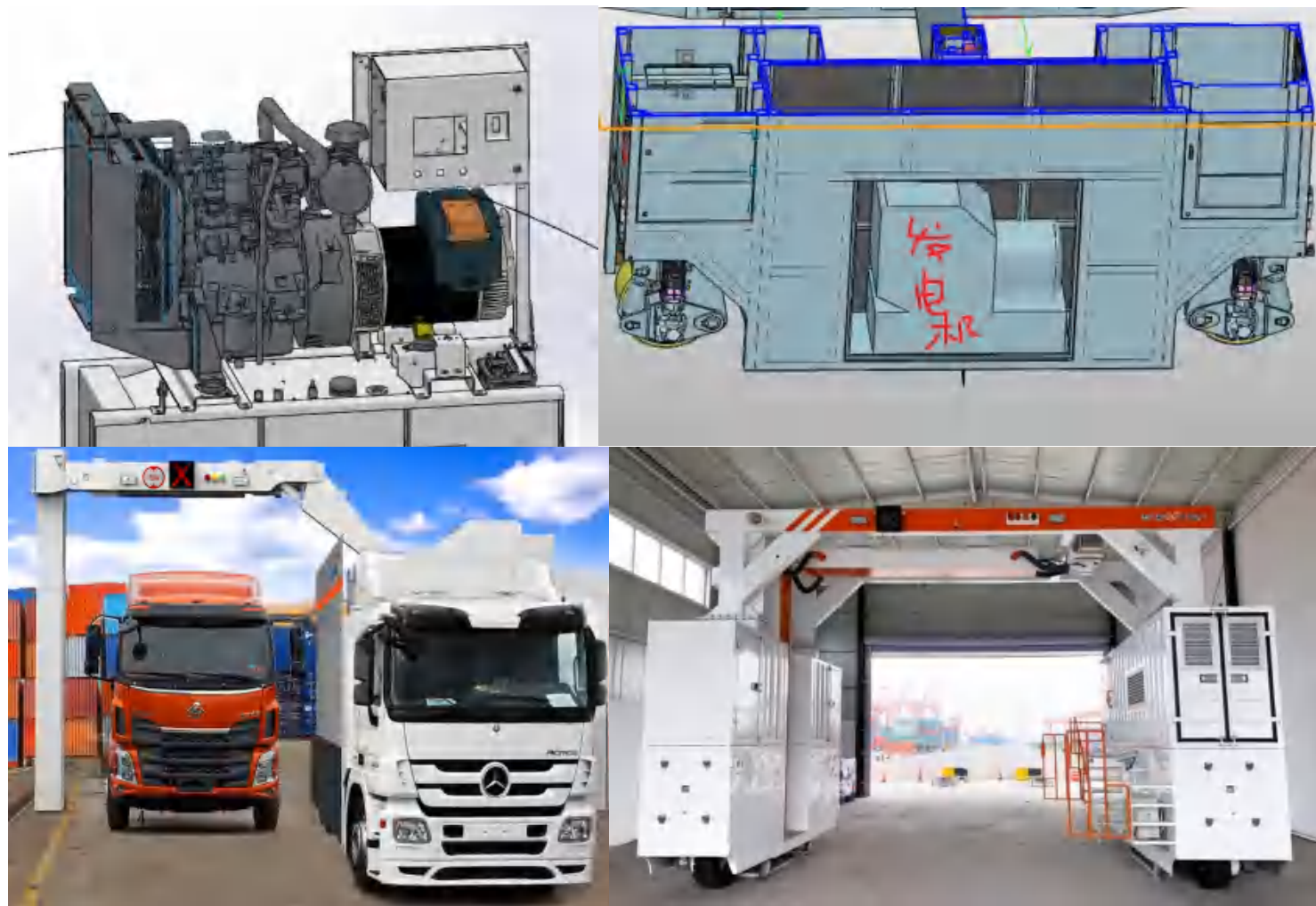
- Peak Shaving and Valley Filling
- Fuel cost saving 40%~50%
- Optimized the diesel generator performance



# Optional solution

## Car mobile device

Customized dimension, arrangement,  
conform with  
Car mobile equipment.



# Optional solution

## Power cart

Customized dimension, arrangement,  
specification power cart, for emergency  
power application





# Customized for Different Operation environment



High humidity



Dust



Seaside/Corrosion



High altitude



Cold region



Hot region



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# 2 Products for NG/LPG Generator set

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# NG/LPG Generators

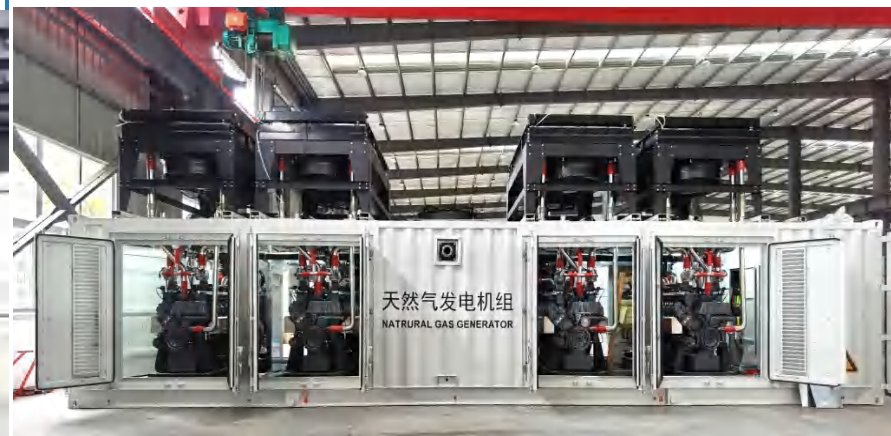
Voltgent provide you natural gas/lpg Generators, output rating from 25kW to 3000kW

Single unit output  
units



25kW  
3000kW

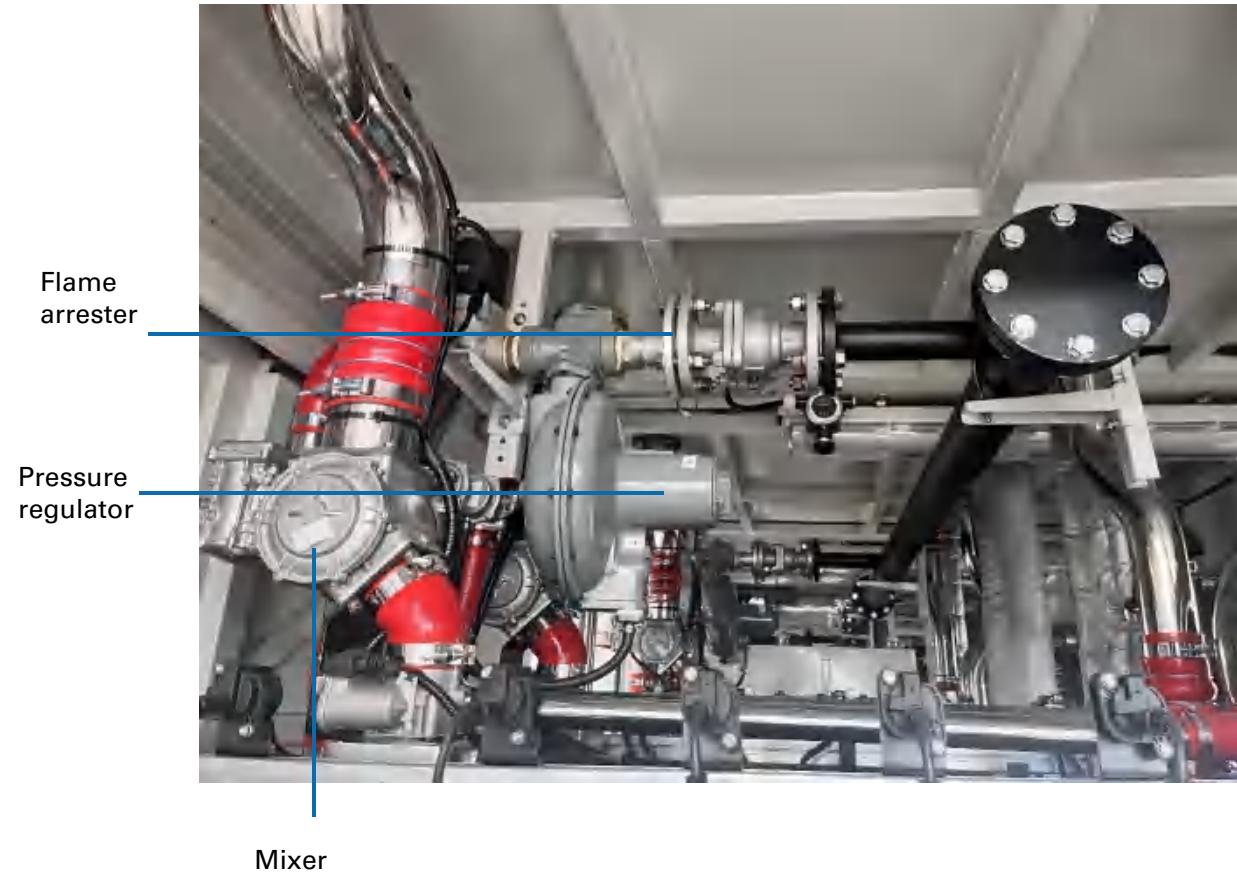
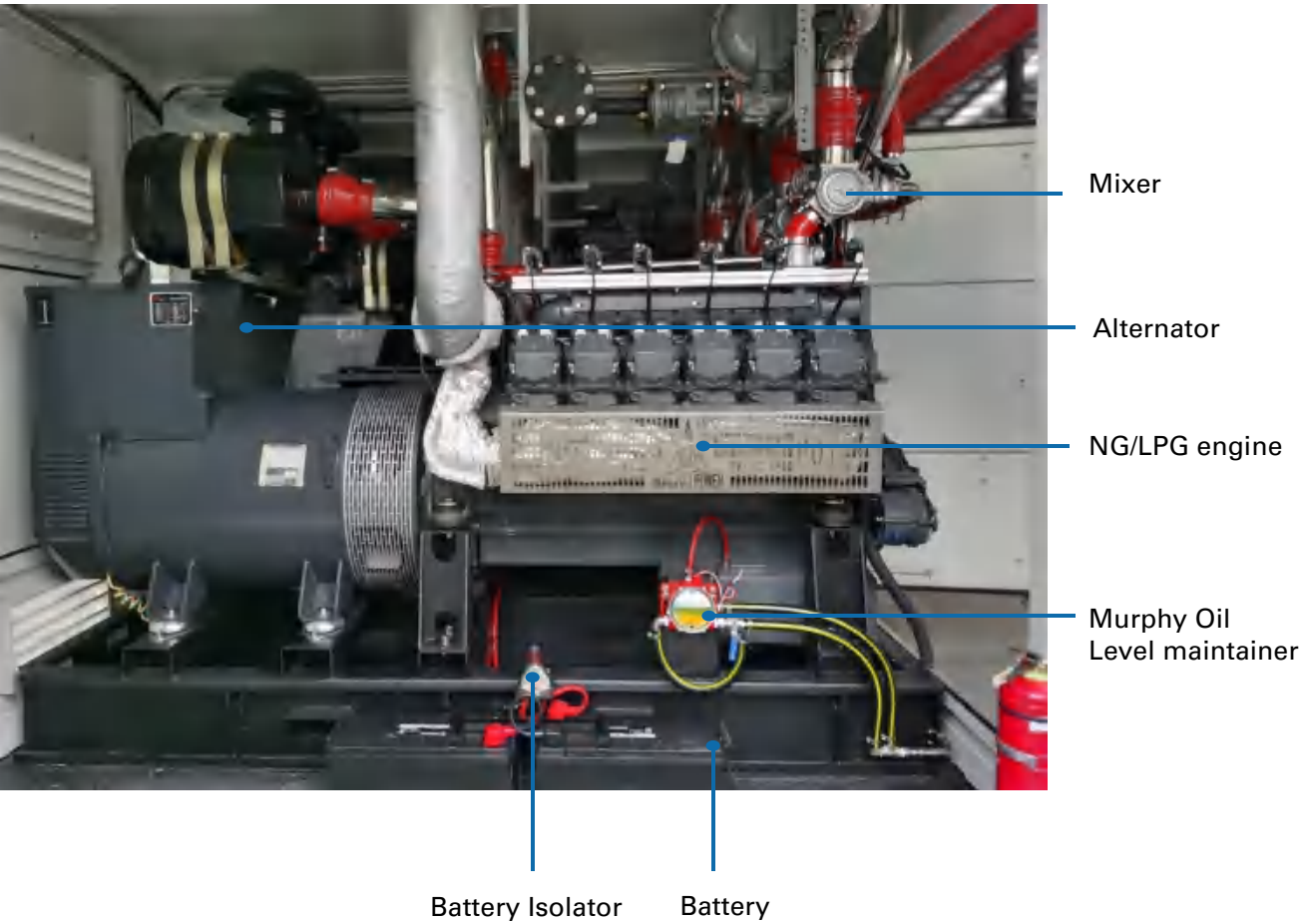
synchronizing several



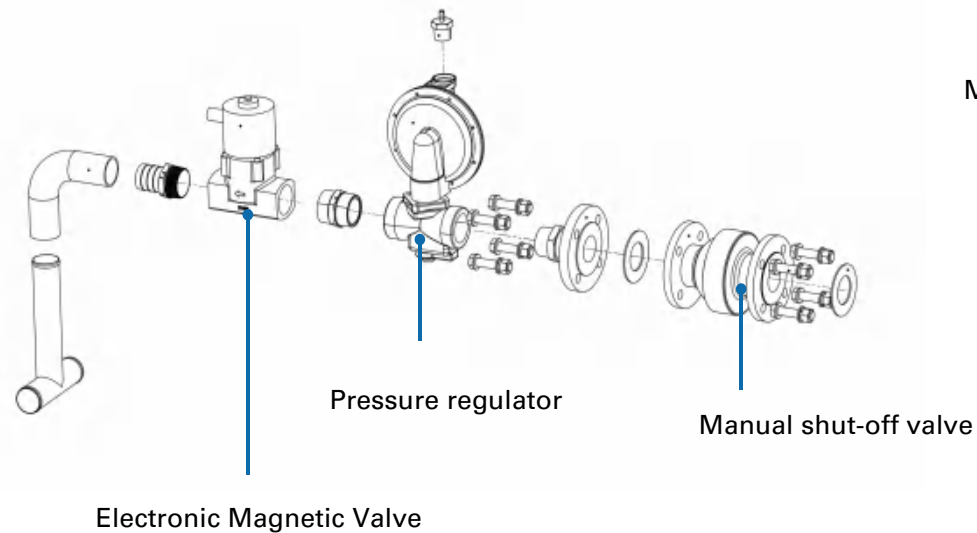
500kW



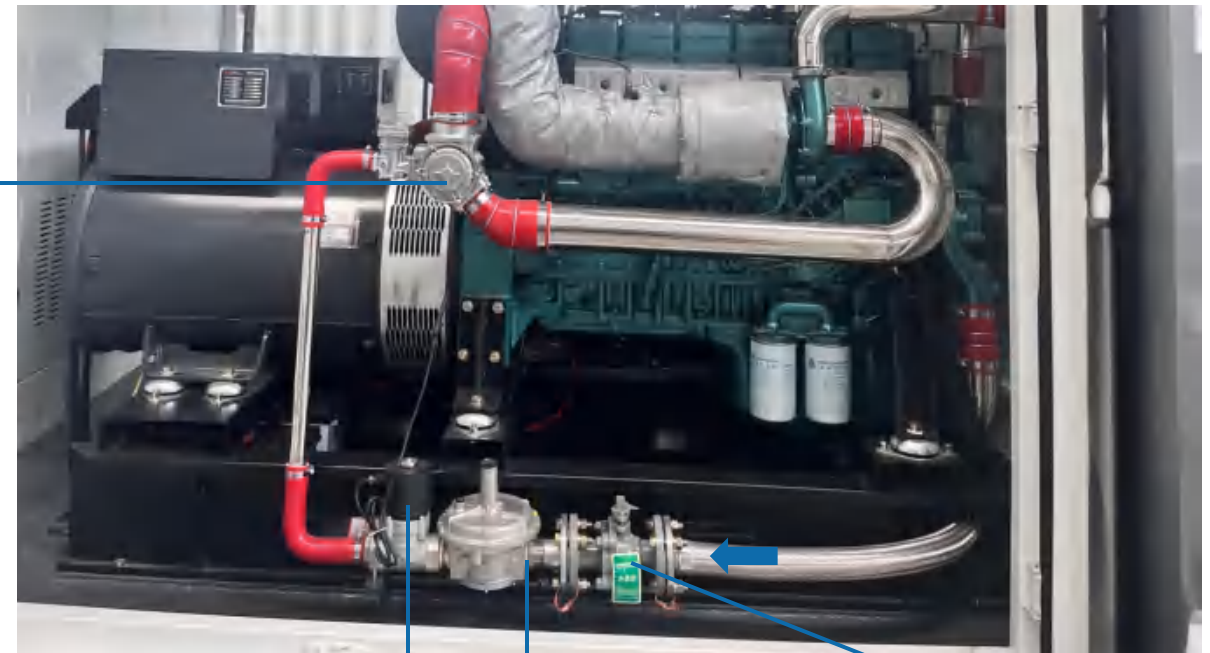
# Main components



## Gas/LPG train



Mixer



Electronic Magnetic Valve

Pressure regulator

Manual shut-off valve

1

### Manual shut-off valve

In order to provide air circuit cut-off function during maintenance

2

### Pressure regulator

Regulates and stabilizes the pressure inlet depending on Engine's requirements. Available for wide range of pressures.

3

### Electronic Magnetic Valve

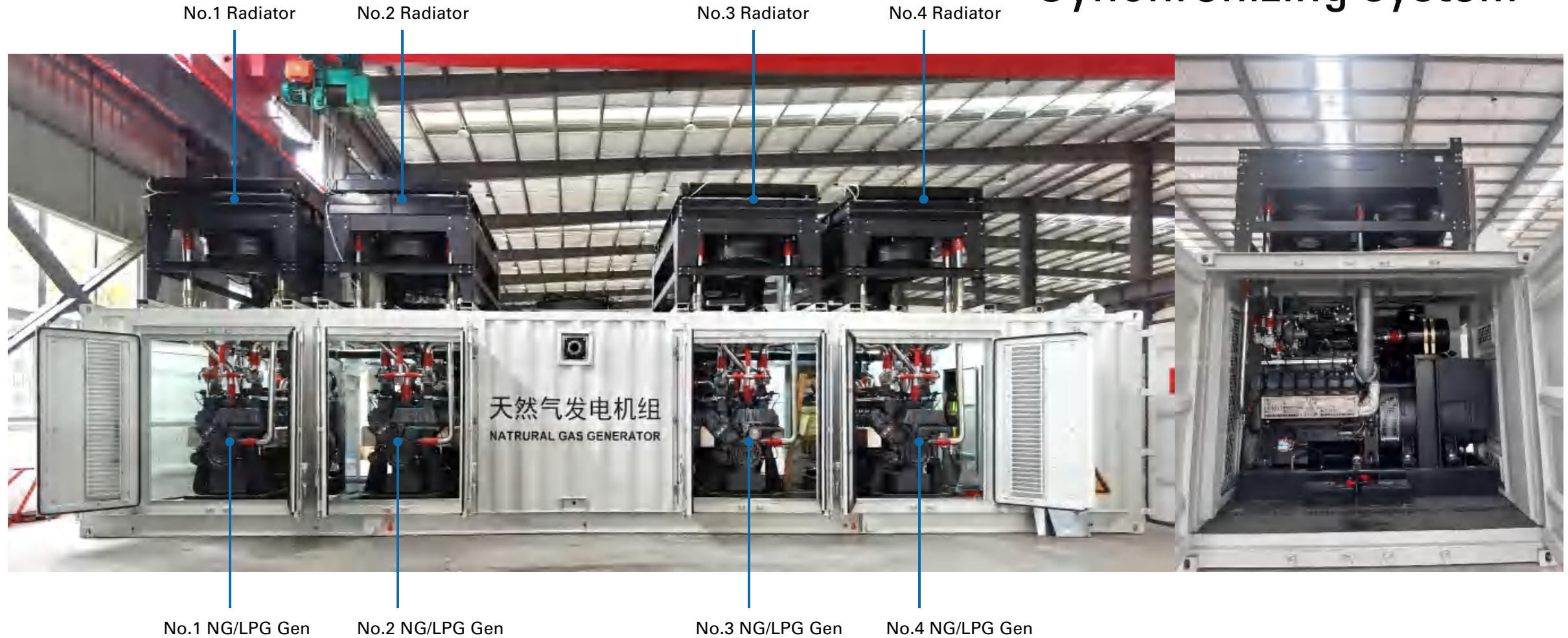
Cut the gas supply when the engines stops

4

### Mixer

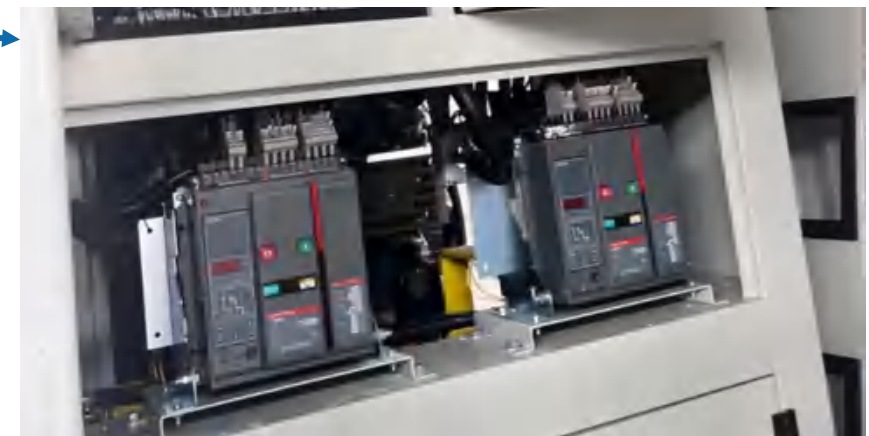
to mix air and NG/LPG in a certain proportion.

# Synchronizing system





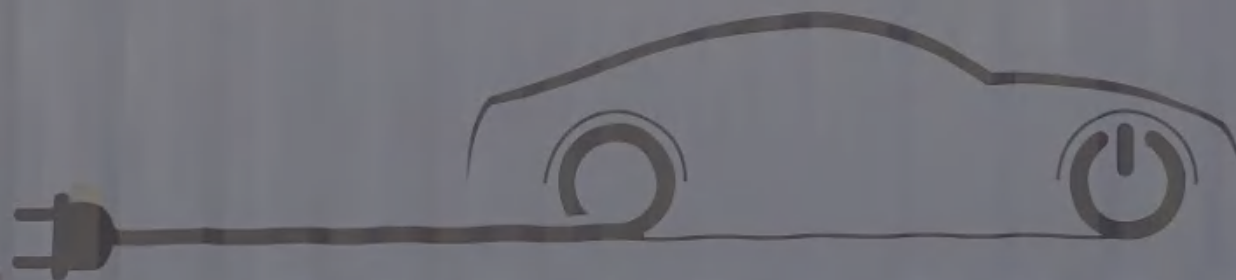
# Synchronizing system



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# 3 Products for Off-shore containers

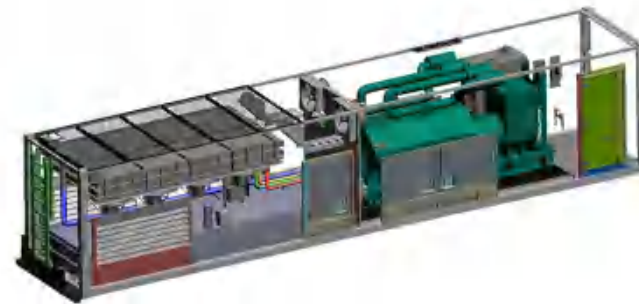
**CVTE**  **元喜能**  
时代星云 XUANXI ENERGY



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# Container for generator sets

Tailor made containers, design and arrangement for diesel generators.



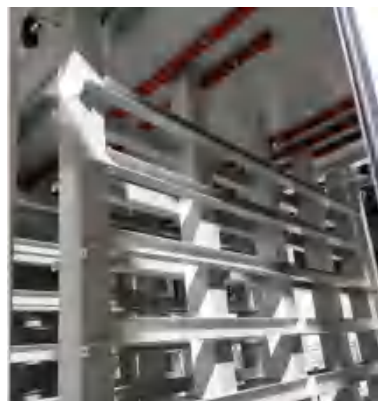


# Container for ESS system

Tailor made containers, design and arrangement for ESS system



Customized dimension



Battery rack



PVC floor and wall



Air condition



Fire extinguish system



Cable tray

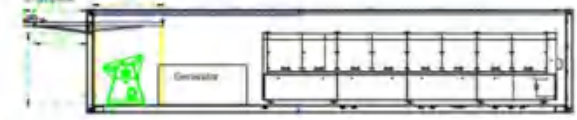
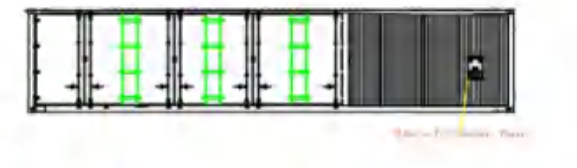
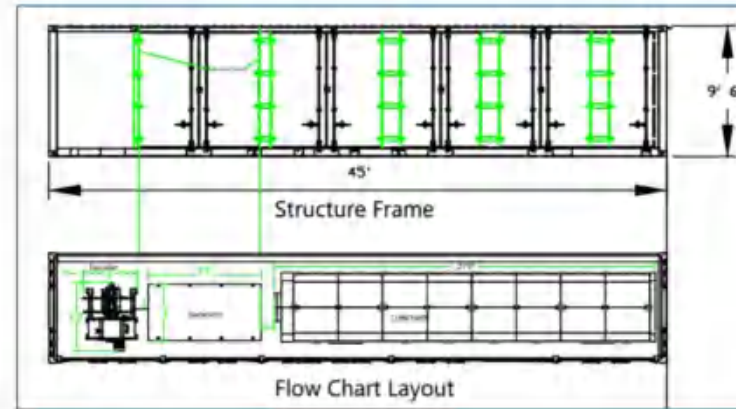
# Container for Load bank

Tailor made containers, design and arrangement for load bank.



# Container for Frame Machine

- Customized weight design
- Customized dimension
- Customized arrangement
- Color and painting





# How we manufacture

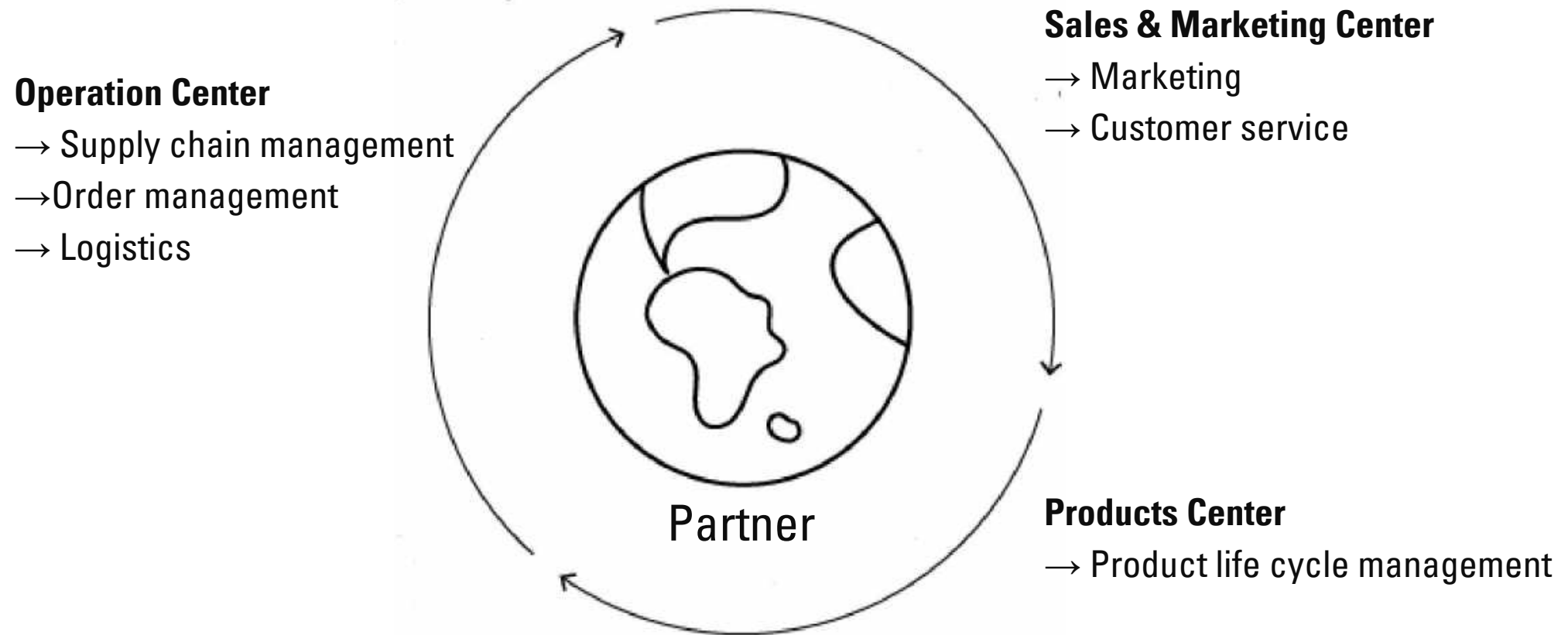


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# 4 Why Voltgent

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## Sales & Marketing Center



2/24 Feedback



24/7 solution



Competitive products



Rich project experience



Marketing

# Products Center



# Operation Center



Order & Account management



Logical



Supply chain management



A large industrial generator, likely a Voltgent model, is shown in a warehouse setting. The generator is a complex piece of machinery with a large engine block, various pipes, and a control panel. It is mounted on a metal frame. The background shows the interior of a large warehouse with a high ceiling and structural beams.

**Voltgent®**

**Thank you**

**Voltgent®**

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