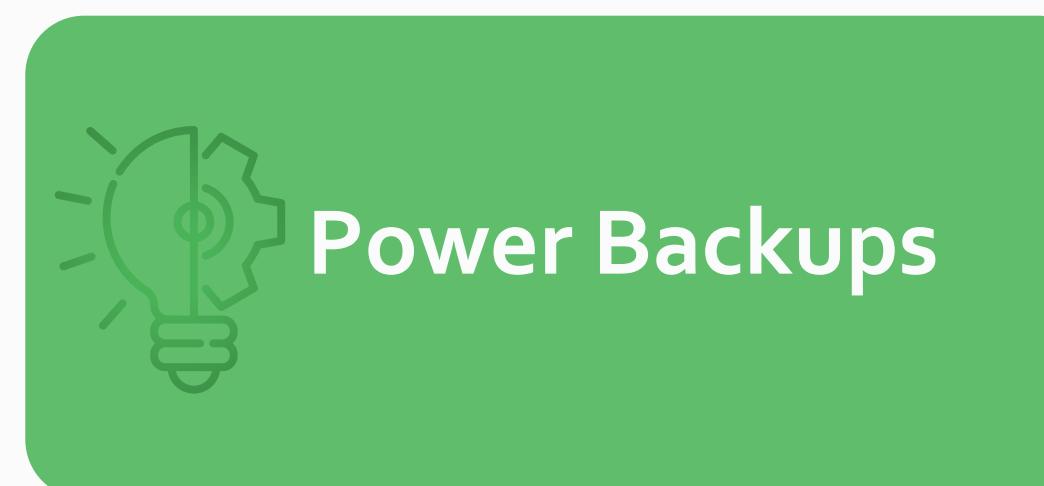




# Junaid Synergy Limited



*Proposal to the Executive Planning Committee,*

**INDUSTRIAL & MEDICAL GASES NIGERIA PLC.**

Plots 1-3, Block H, Apapa- Oshodi Expressway,  
Lagos State Nigeria.

May 12, 2025

**PROPOSAL FOR A 3MW IPP  
FOR THE PROVISION OF POWER  
TO  
INDUSTRIAL & MEDICAL GASES NIGERIA PLC.**



May 12, 2024

# OUTLINE

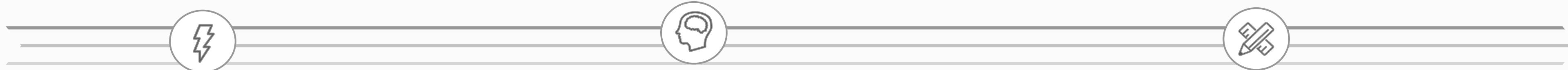
- » OVERVIEW
- » COMMERCIAL PROPOSITION
- » BENEFIT OF JSL POWER SOLUTION
- » JSL KPI TARGET
- » PROJECT DEVELOPMENT WORK PROGRAM
- » INTRODUCTION TO JUNAID SYNERGY LIMITED
- » NEXT STEPS
- » OUR CLIENTS
- » PARTNERS
- » CONCLUSION.

# OVERVIEW

- » Junaid Synergy Limited is primarily a Power Backup and Power Generation company that design and deploys Power Projects using EPC or BOO model.
- » Junaid Synergy Limited is currently doing an IPP Project, for “Power as a Service” to a major Data Centre in Oregun and a Top Rank Hotel in Ikeja, Lagos State, as a standalone system.
- » This type of IPP project has been embraced by some blue-chip companies within Nigeria in a bid to resolve the issues of inadequate power supply within the area.
- » Junaid Synergy Limited is offering to deploy 2 units of 1.5MW Gas Generator for I&MGN PLC with Junaid Synergy Ltd covering the OpEx and CapEx, while I&MGN PLC supply the Fuel and pays for the electricity produced with guaranteed performance levels; KPI's.

# SYSTEM DESIGN

The project will be executed in the following phases:



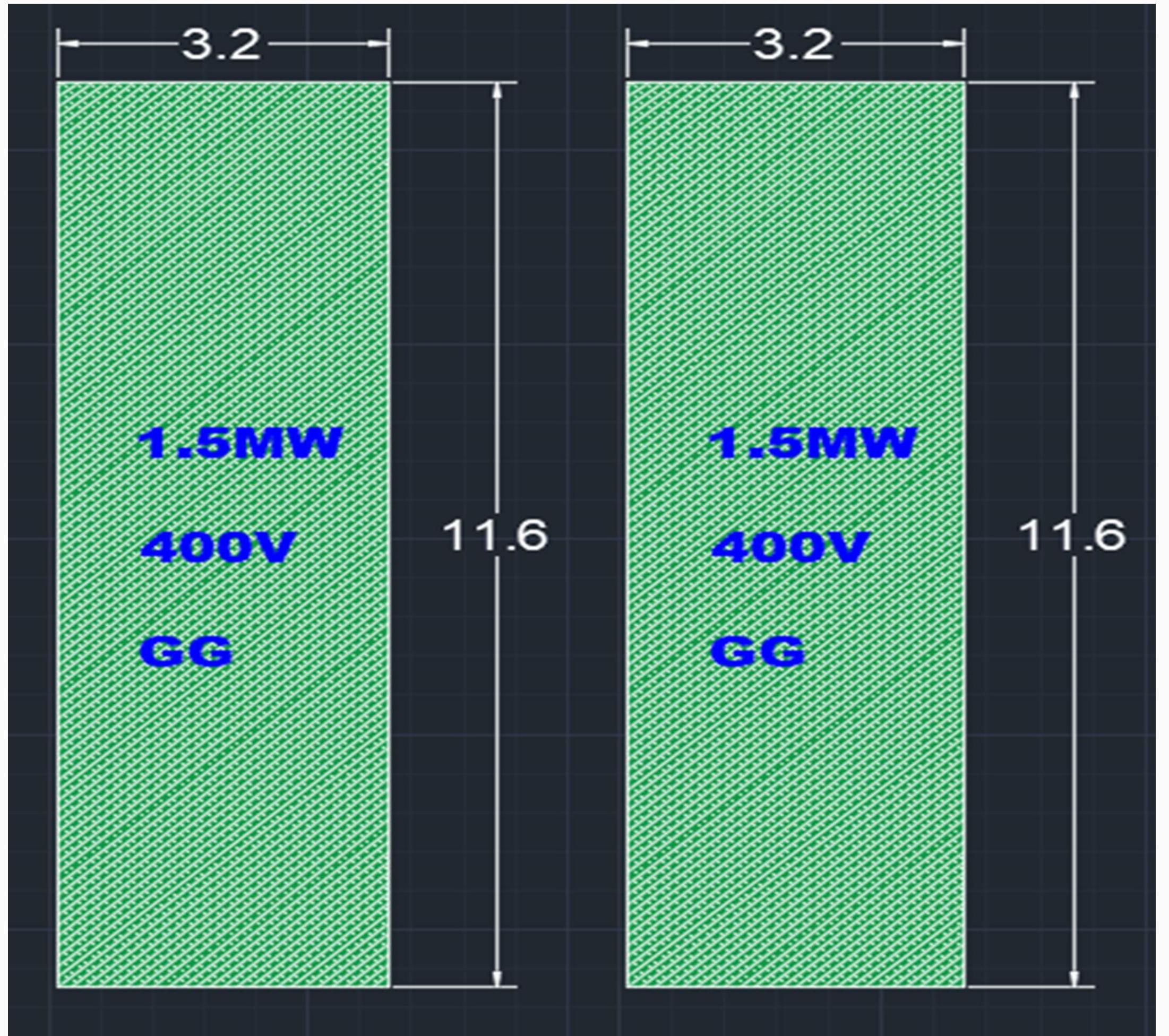
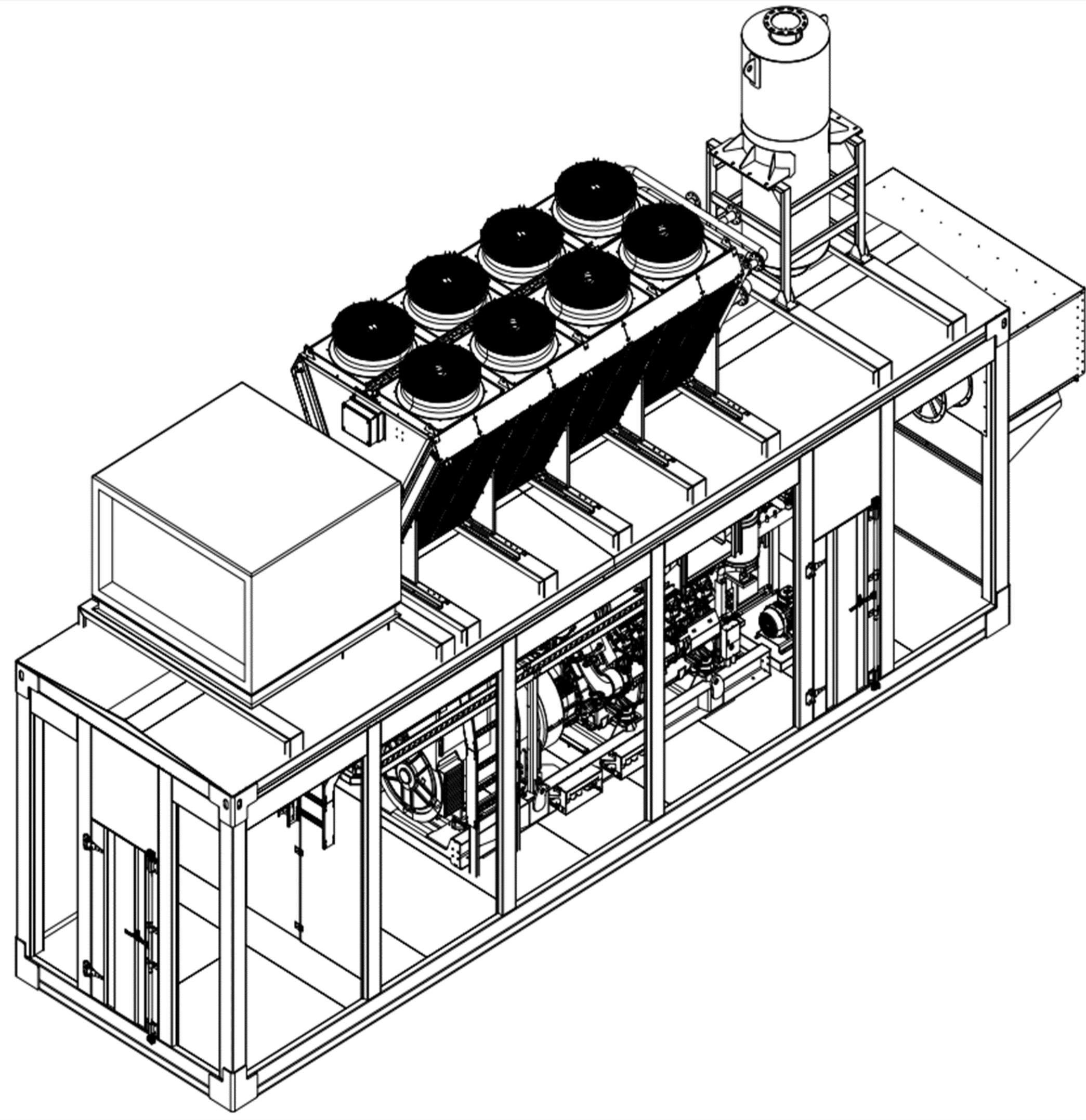
1. Kick off meeting with client to understand objectives, risk appetite and values.

2. Collection of updated energy data

1. Analysing data and Engineering design.  
2. Business case development.  
3. Study tour.  
4. Signing of Power Off-Take agreement

1. Solution development & deployment.

# SIMPLIFIED BLOCK DIAGRAM OF GAS FIRED SYSTEM



# MAJOR EQUIPMENT TO BE DEPLOYED

- » 2 units 1.5 MW Gas Generators.
- » Generator Spares
- » Synchronization Panel



# COMMERCIAL PROPOSITION

S/N	ITEM DESCRIPTION	AMOUNT (NGN)	TERMS/COMMENT
1	Tariff per kWh	NGN95.6/kWh	\$0.06/kWh using April weighted FX rate on NFEM of \$1:NGN1594.55
2	Duration	-	60 months
3	Take or Pay Quantity	-	80% of Installed Capacity (3MW)
4	Civil Works & Cabling	-	By I&MGN PLC
5	Commissioning & Associated Cost	-	By JSL
6	Water & Fire Hydrants	-	By I&MGN PLC
7	Invoice Net Due	-	Within 7 working days of invoice submission by JSL
8	Force Majeure	NGN 0/kWh	As will be defined in the Power Purchase Agreement
9	Delivery and Set-up Period	-	6 – 12 months from signing of Power Purchase Agreement
10	Bank Guarantee	NGN	3 months energy cost
11	Fuel		By I&MGN PLC

\*\* Prices quoted are VAT exclusive

# BENEFITS OF JSL POWER SET-UP

-  Allows I&MGN PLC to focus on core business with power outsourced.
-  Guarantee system availability and response time
-  Maximized return on investment
-  Elimination of Transformer cost (415V/6.6kV)
-  Full onsite/ offsite support team available 24/7/365
-  Remote operational support (SCADA)
-  24 hrs Power Supply. Zero downtime., No System failure from Transformer fault, Power interruption from Disco, etc.
-  Risk Management
-  Lifecycle cost guarantee
-  Noise level: 65 DB
-  Near Zero Co2 emission

# KPI TARGET



POWER AVAILABILITY  
FACTOR  
(Worse case scenario)



SCHEDULED  
MAINTENANCE

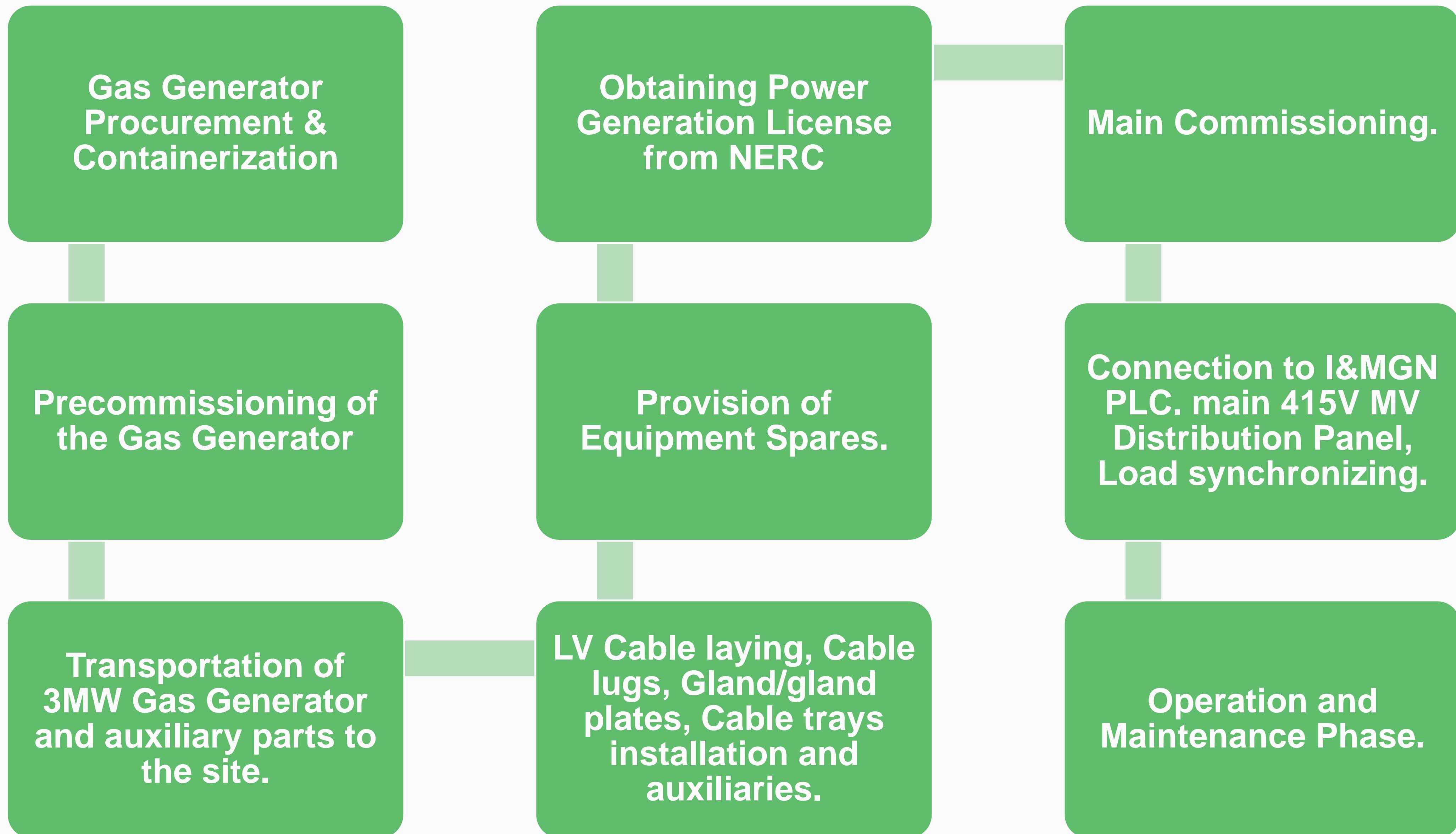


EMERGENCY REPAIRS



ACCIDENT FREQUENCY

# JUNAID SYNERGY SCOPE



# TECHNOLOGY SELECTION

- » The selected configuration is based on Synchronizing 2 unit of 1.5MW Gas Generator 415V, 50Hz manufactured and supplied by MTU
- » The configuration is expected to run continuously with little or no need for a standby generator.
- » Anticipated plant availability is 24hrs/day.
- » Junaid Synergy Limited has evaluated several options to arrive at this final configuration, that will provide the optimal combination of cost-effectiveness and reliability.

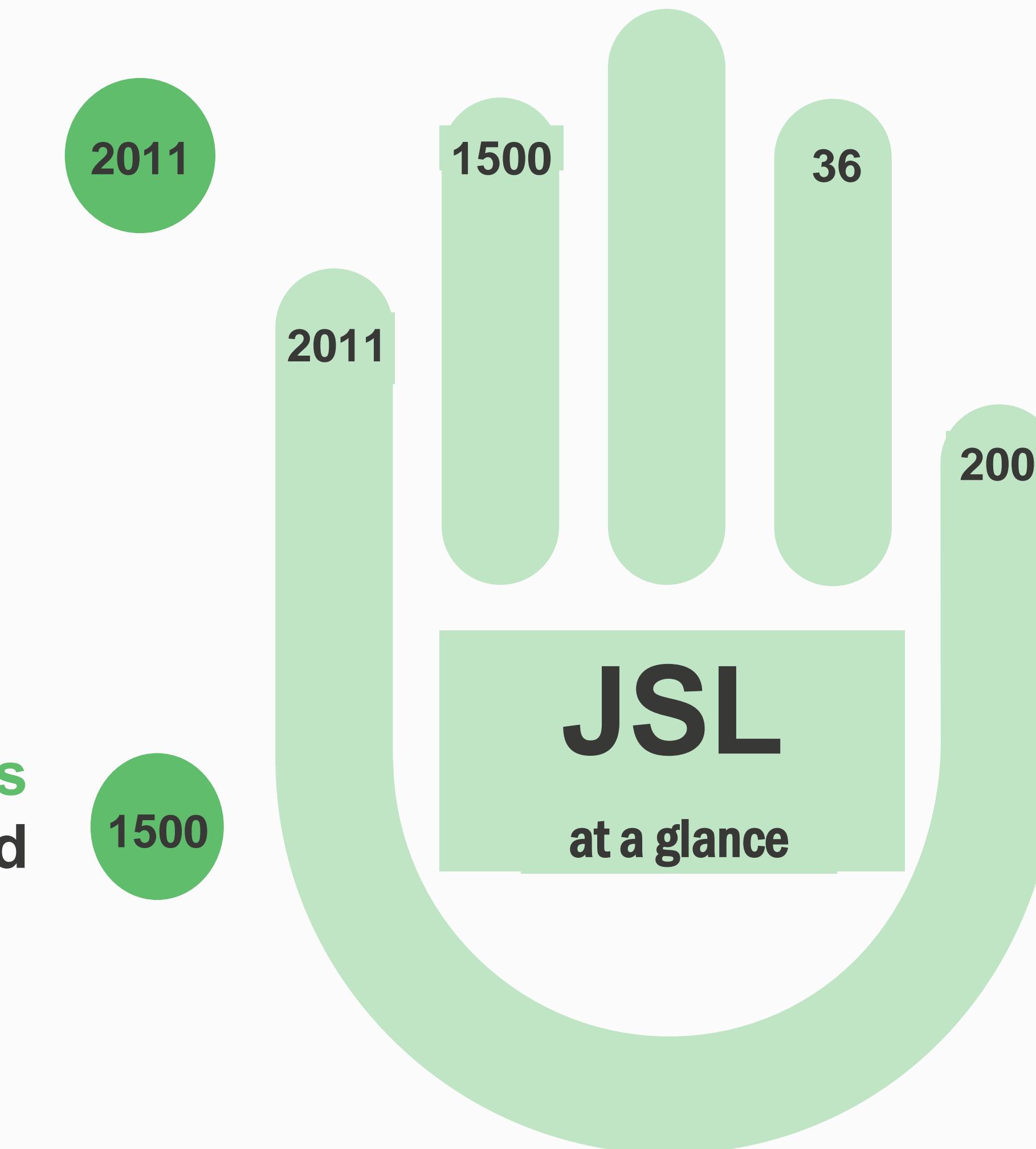
Plant Configuration	2x1.5MW Gas Engines
Voltage	415V, 50Hz
Fuel Type	Piped Natural Gas



# **INTRODUCTION TO JUNAID SYNERGY LIMITED**

**JSL was  
Incorporated in  
**September 2011**  
as a Power  
Company**

**Over **700 ATM's**  
Powered**

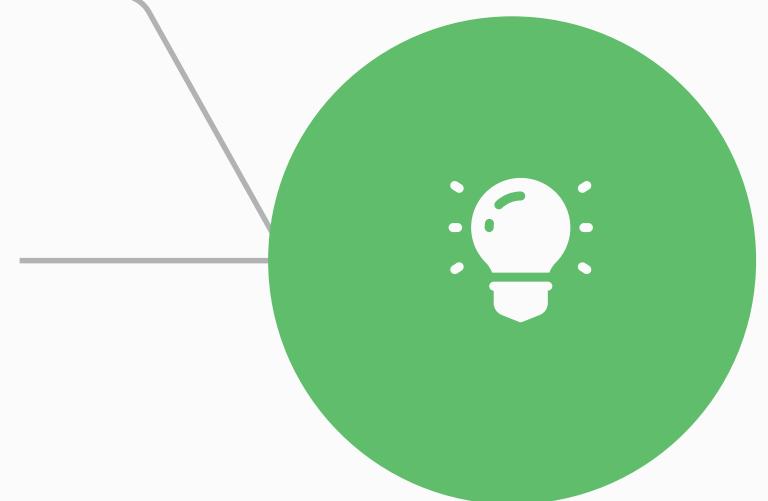


**With Combined  
Installed Capacity of  
**over 36 MW****

**Over **200 Bank Branches****

## MISSION

To be a major energy provider in the Nigerian energy market space



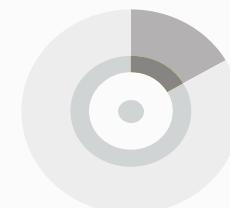
## MISSION AND VISION



## VISION

To power Africa's future and growth with clean and renewable energy

# CORE VALUES



S ustainability



T enacity



O pen-mindedness



G rowth



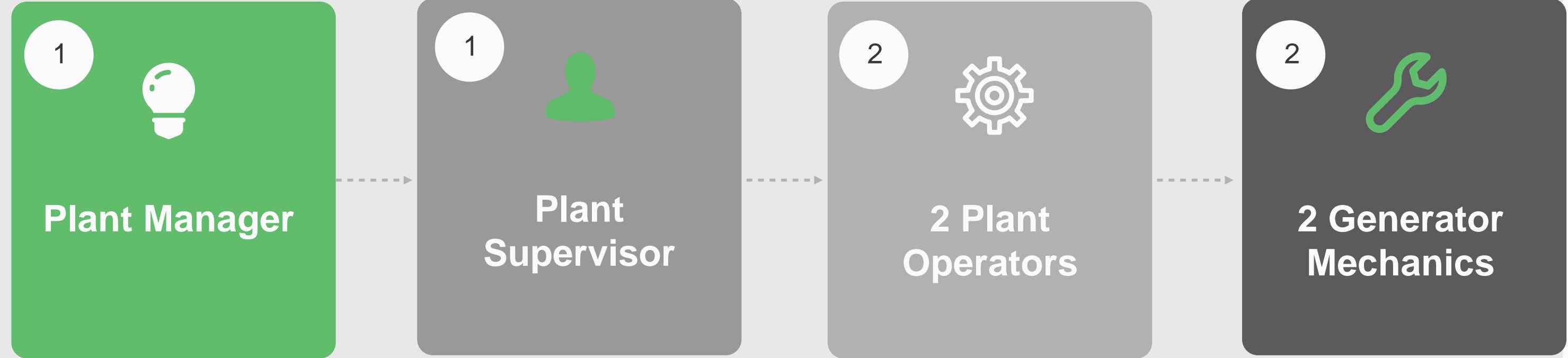
S ervice



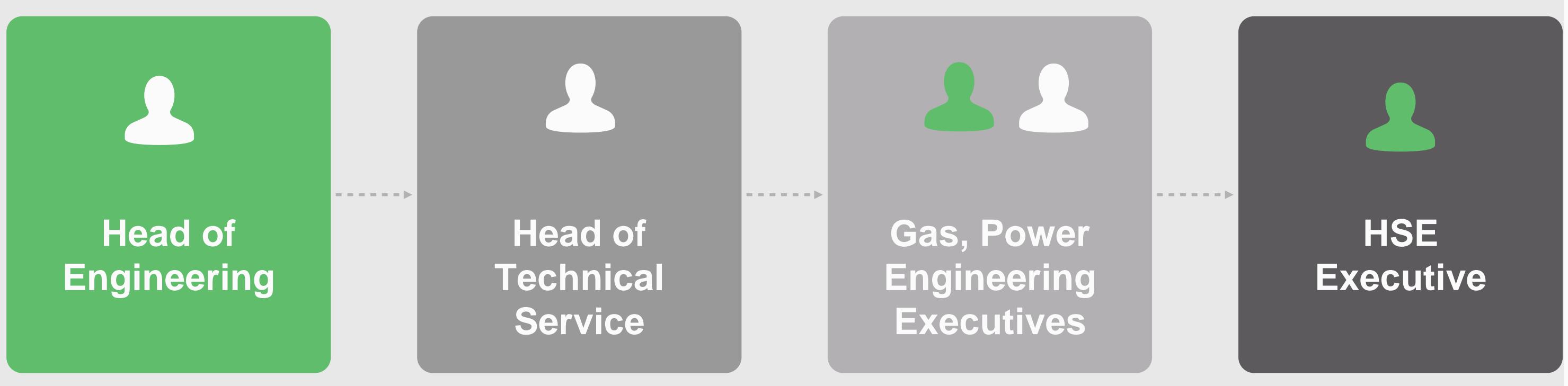
# JSL O&M WORK FORCE

## DEDICATED FOR I&MGN PLC. IPP

### FRONT END STAFF



### BACK END STAFF



# O&M PLAN



## Equipment Records

- Engine and auxiliaries
- Gas related equipment
- Fire fighting equipment
- Electrical equipment



## Inspection Schedules

- Inspection based on log book entries
- Scheduled inspection combined with scheduled servicing
- Scheduled inspection of non- standard items
- Lubrication schedules



## Spare Parts Inventory

- Equipment spare parts
- Complete components
- Pipes and fittings, bolts, nuts & washers, electric components etc.

## Maintenance Action (Guidelines)

- Check
- Servicing
- Repair



## Maintenance Workshops and Equipment

- Tools



# OUR HSE MANAGEMENT SYSTEM

The manual provides safe working conditions in accordance with the Factory Act 1990.

## PURPOSE

- To provide a basic reference document for all plant operators to use in the execution of their work.
- To appraise JSL.
- To provide a basis for auditing and ensuring continual improvement.

The **main objectives** of the HSE Management System are to:

- Ensure compliance with the relevant standards and legislation
- Promote a healthy and safe work environment
- Promote communication between I&MGN PLC and JSL in addressing safety issues with the plant and its surroundings.
- Train and motivate employees to enable them to fulfil the HSE requirements
- Measure, appraise and report on HSE performance

## OUR CONCERNS ARE:

- Maintaining a healthy environment for all people within the premises
- Handling and management of solid and hazardous waste

# OUR FACES



## NEXT STEPS

- » **Letter of Intent (LOI) from I&MGN PLC .– Executing a letter of intent to signify interest in the Power Off-Take.**
- » **Final Technical and Commercial Negotiations and terms – Between Junaid Synergy Limited and I&MGN PLC .**
- » **Signing of Power Purchase Agreement – After successful negotiations between Junaid Synergy Limited and I&MGN PLC.**
- » **Project Implementation Phase.**
- » **Commencement of Power Supply**

## OUR CLIENTS



# PARTNERS

Our strategic alliance with industry leaders facilitate us in delivering high end and cost effective independent power projects.

## Technology Partners

We also have established relationship with gas engine manufacturers/operators like; CHENGDU TIANCHEN COMPRESSORS MANUFACTURERS (China), MTU-ROLLS ROYCE (Germany), LUXI GROUP (China), CATERPILLAR ENERGY SOLUTIONS (Germany), JENBACHER GAS ENGINES, WARTSILA and MIKANO.

We deploy partner solutions based on project requirements



LUXI



JENBACHER



# PARTNERS

Our strategic alliance with industry leaders facilitate us in delivering high end and cost effective independent power projects.

## Natural Gas Vendors

JSL has an existing relationship with several gas vendors i.e. SHELL NIGERIA GAS, NIPCO PLC, EXCELERATE ENERGY RESOURCES LTD, AXXELA, GREENVILLE LNG AND NNPC.

CNG, LNG and CNG solutions are available and partnership is activated based on specific project requirements



Axxela



# IN THE NEWS



Nairametrics

Home > Industries > Energy



## NERC issued licenses and permits to these 15 entities in Q2/2023



by **Omono Okonkwo** — 3 hours ago

NEWS

## FG issues power licenses to Junaid Synergy, 14 other companies

October 23, 2023 - by Admin III



The Federal Government through the Nigerian Electricity Regulatory Commission (NERC) has issued new power licenses to Junaid Synergy Limited and 14 other companies.

During the second quarter of 2023, NERC issued new licenses to many entities.

Blueprint recalls that the Commission recently



# CONCLUSION

Junaid Synergy Limited aims to maximize availability and minimize outages by ensuring that best practices and standards are incorporated into our daily operation and maintenance of all power plant components.

We are excited to partner with Industrial & Medical Gases Nigeria PLC.

#ThinkIndependentPowerPlantPartnersInNigeria  
#ThinkJunaidSynergyLtd

# Thank You

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