

INTEGRATED ENERGY SYSTEMS CAPABILITY BRIEF

From molecules to reliable power.

CIMC ENRIC coordinates the physical route around dependable generation - fuel conditioning, storage, transport, modular power, controls and lifecycle delivery.

ONE QUIET SYSTEM LOGIC



SOURCE



CONDITION



MOVE



POWER



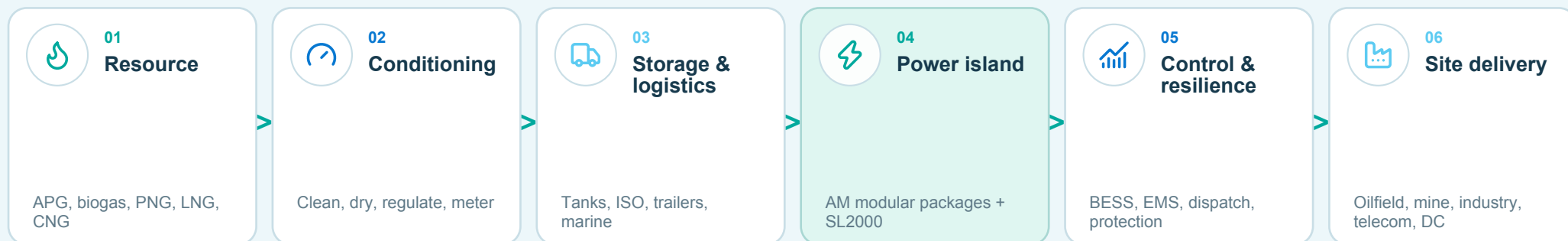
CONTROL



LOAD

The complete route, designed around the load.

Every block answers one practical question. Can the site source, condition, move, convert and control energy with enough reliability to operate?



FOUR DECISION GATES

Fuel quality

Can the gas run the engine?

Delivered cost

What is the real site price?

Uptime

Can supply and storage sustain the load?

Scalability

Can the project expand in blocks?

WHAT CIMC ENRIC COORDINATES

Gas-side scope

Gas suitability, treatment skids, pressure control, metering and safety.

Storage & logistics

Small to large tanks, ISO tanks, tankers, tube trailers and filling rhythm.

Power-side scope

Engine packages, modularization, N+1, electrical balance of plant and commissioning.

Lifecycle scope

Remote monitoring, O&M planning, spares, expansion and optional BESS/EMS integration.

Different fuel. One coherent delivery logic.

APG / BIOGAS

Use local molecules and reduce disposal burden.



Treatment skid

Remove liquids and impurities

>



Stable fuel gas

Regulate and meter

>



Modular power

Generate at the field

LNG / CNG

Move gas to remote or weak-grid sites.



Virtual pipeline

Tankers, ISO or tube trailers

>



Site buffer

Storage and regasification

>



Modular power

Match filling rhythm to load

PIPELINE GAS

Use delivered on-site gas after interface CAPEX.



Gas interface

Meter, regulate and protect

>



Power island

Multi-unit N+1 design

>



Dispatchable power

Industrial and critical loads

MODULAR POWER SCALE

AM20

compact

AM100

distributed

AM250

site block

AM600

2 x 300 kW

AM1200

4 x 300 kW

SL2000

10.5 kV direct

Cases are the final link in the system story.

Click any card to open the official website page.

01 FIELD RESOURCE TO CONTROLLED ENERGY SYSTEM



Oilfield integrated energy system

Gas / LNG > storage > power > EMS

[VIEW OFFICIAL CASE >](#)

02 SIGNED PROJECT - DUAL GAS SOURCES



Nigeria AM600 associated gas-to-power

U1 + U4 APG > conditioning > AM600

[VIEW OFFICIAL CASE >](#)

03 NIGERIA IPP AND PPA PROJECT LOGIC



25MW pipeline gas power plant

Pipeline gas > multi-unit power > IPP / PPA

[VIEW OFFICIAL CASE >](#)

04 AM1200 MODULAR EXPANSION ROUTE



10MW LNG plant power expansion

LNG facility > AM1200 blocks > expansion

[VIEW OFFICIAL CASE >](#)

05 POC ROUTE FOR FIELD RESILIENCE



Associated gas power + mobile BESS

APG power > mobile BESS > field load

[VIEW OFFICIAL CASE >](#)

06 SIGNED DISTRIBUTED POWER CASE



Telecom LNG-to-power package

LNG tank > AM20 > base station

[VIEW OFFICIAL CASE >](#)

READY TO FRAME A PROJECT?

Start with the calculator, then ask CIMC ENRIC to review the gas route, storage rhythm and power scope.

[PROJECT CALCULATOR](#)

[CONTACT CIMC ENRIC](#)

Two architectures. One integrated system.

The 300 kW modular platform expands in repeatable containerized steps. The SL route reduces unit count and provides direct medium-voltage output for larger projects.

300 KW MODULAR PLATFORM

One building block. Six practical capacity steps.

Standardized containerized packaging for marine shipment, staged deployment and module-level service.



SL LARGE-UNIT ROUTE

Single engine-generator with direct medium-voltage output

SL2000-NG

2.0 MW RATED

1.9 MW COP

OUTPUT	10.5 kV
FREQUENCY	50 / 60 Hz
ARCHITECTURE	1 engine + 1 generator

For larger stable loads where lower unit count and direct MV output matter.

SELECTION RULE Use 300 kW modular blocks for staged growth, redundancy and service flexibility. For larger stable loads, compare the modular N+1 route with SL unit count, direct MV output, maintenance strategy and gas-quality requirements.

A compact technical directory for early decisions.

Published figures are shown only where a released technical reference is available. Final guaranteed performance remains subject to gas composition, site conditions, derating and the contract datasheet.

FAMILY	ARCHITECTURE	OUTPUT	ELECTRICAL	GAS / EFFICIENCY REF.	EARLY-SELECTION ROLE
AM20-LNG-E	Integrated LNG micro-station	25 kW	400 V; 50 / 60 Hz	7 Nm ³ /h	Current outline: 2900 x 2200 x 1987 mm
AM100	Single packaged genset	100 kW class	400 V; 50 / 60 Hz	Approx. 29 Nm ³ /h*	Compact industrial and distributed power
AM250	Single packaged genset	250 kW class	400 V; 50 / 60 Hz	Approx. 73 Nm ³ /h*	Site block and small industrial power
AM600	2 x 300 kW modules	600 kW	400 V; 50 / 60 Hz	<=176 Nm ³ /h	Standard containerized block; 6058 x 2896 x 2438 mm
AM1200	4 x 300 kW modules	1,200 kW	400 V; 50 / 60 Hz	333 Nm ³ /h	MW building block; 10500 x 3000 x 3180 mm
SL2000-NG	1 engine + 1 generator	2,000 kW rated / 1,900 kW COP	10.5 kV; 50 / 60 Hz	Contract datasheet basis	Large stable loads; 13716 x 2438 x 2896 mm

PROJECT-SPECIFIC CONFIGURATION

Send the site location, net MW and load curve, fuel analysis and pressure, redundancy target, electrical interface and COD. CIMC ENRIC will return the selected AM / SL architecture and project boundary. *AM100 / AM250 gas use is a proportional planning estimate from the 300 kW module; confirm against the final contract curve.

[REQUEST PROJECT REVIEW](#)

One project team around a buildable energy route.

CIMC ENRIC connects commercial screening, engineering definition, modular manufacturing, site integration and lifecycle support. The objective is a project file that can move from idea to decision.



01

Project screening

Load, site, fuel route, uptime target and commercial basis.



02

Engineering definition

Gas quality, storage rhythm, redundancy, electrical scope and boundaries.



03

Modular manufacturing

Packaged treatment, storage, power, BESS, E-house and modular buildings.



04

Delivery integration

Shipment, lifting, installation, commissioning and local interface planning.



05

Lifecycle services

Remote monitoring, O&M, spares, optimization and staged expansion.

START THE NEXT CONVERSATION WITH FIVE FACTS

1

Project location

Contact your assigned CIMC ENRIC project representative

2

Required MW + hours

3

Available fuel route

<https://cimcenergysystem.com>

4

Grid + critical loads

5

Timeline + expansion plan**RUN PROJECT ASSESSMENT**