

Why choose Genesal Energy?

The perfect machine for each application

100% adapted energy has no rival



**GENESAL
ENERGY**
Pura Energía

Because with energy, there's no room for error



In an increasingly interconnected and demanding world, energy is not just a resource.

It's the foundation that keeps everything running. When continuity is critical, choosing the right provider isn't just a technical decision — it's a commitment to reliability, safety and positive impact.

Genesal Energy has been designing bespoke energy solutions for over three decades. We don't sell generators: we develop tailored, precise and sustainable systems, with in-house engineering and expert support throughout the entire equipment lifecycle. And we do it where it matters most — **in hospitals, data centres, critical facilities or off-grid areas.**

These are **ten reasons why our clients trust us** when energy must be guaranteed.

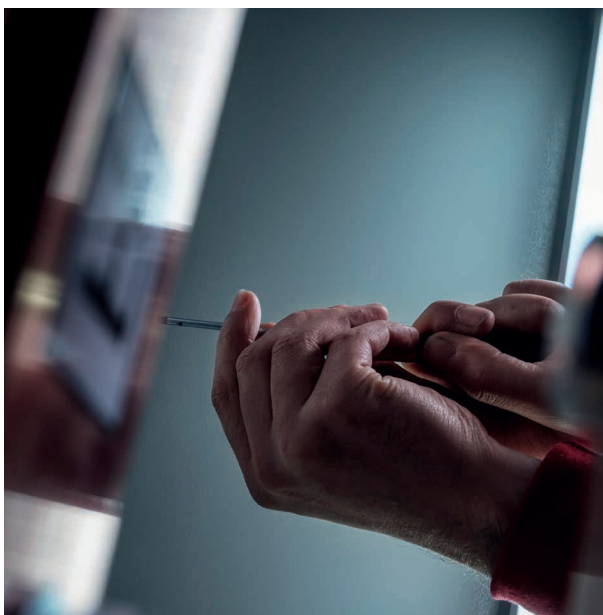


1 From experience to tailored engineering

We are engineers, designers and manufacturers.

Every generator is conceived as a unique technical solution, developed from a specific need. We listen, analyse and design from scratch to meet the **most demanding energy challenges**.

With in-house electrical and mechanical engineering capabilities and fully integrated production, we can adapt the design, configuration and materials to the specific conditions of each application.



We design each system to perform precisely in the environment where it will operate.

Nothing generic.
Everything tailored.
Backed by 30+ years of experience and a methodology that allows us to combine agility, precision and technical customisation in every project.

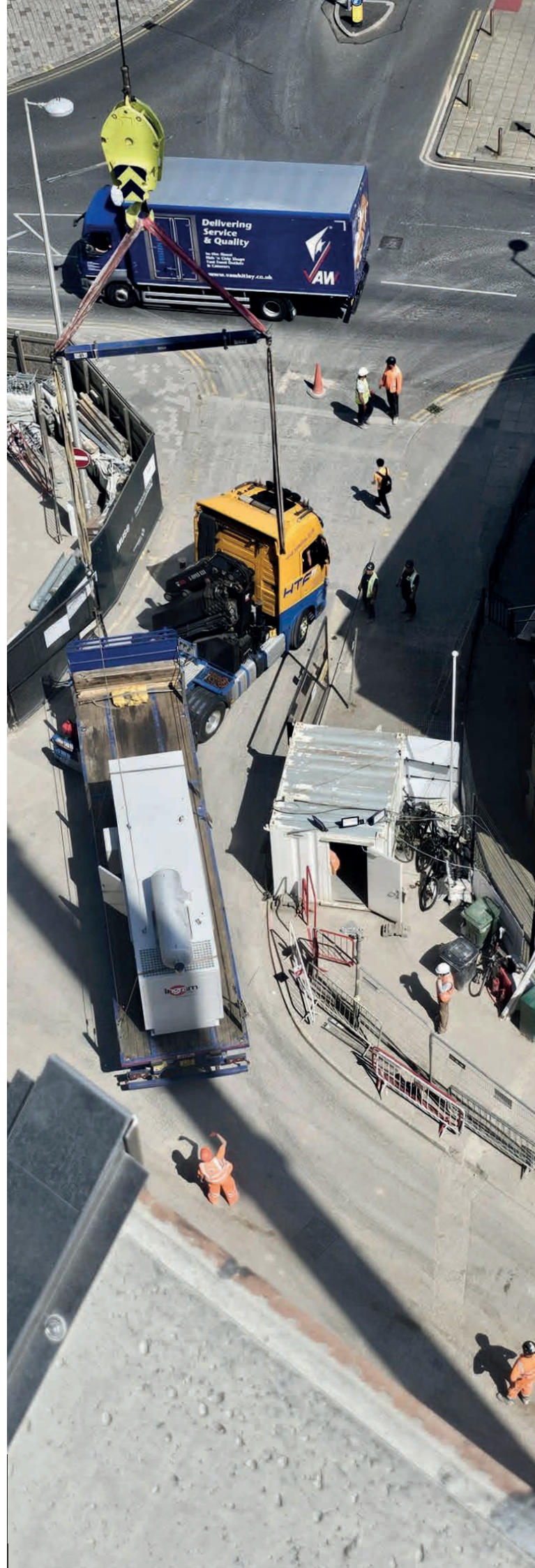
Some of our most representative projects:

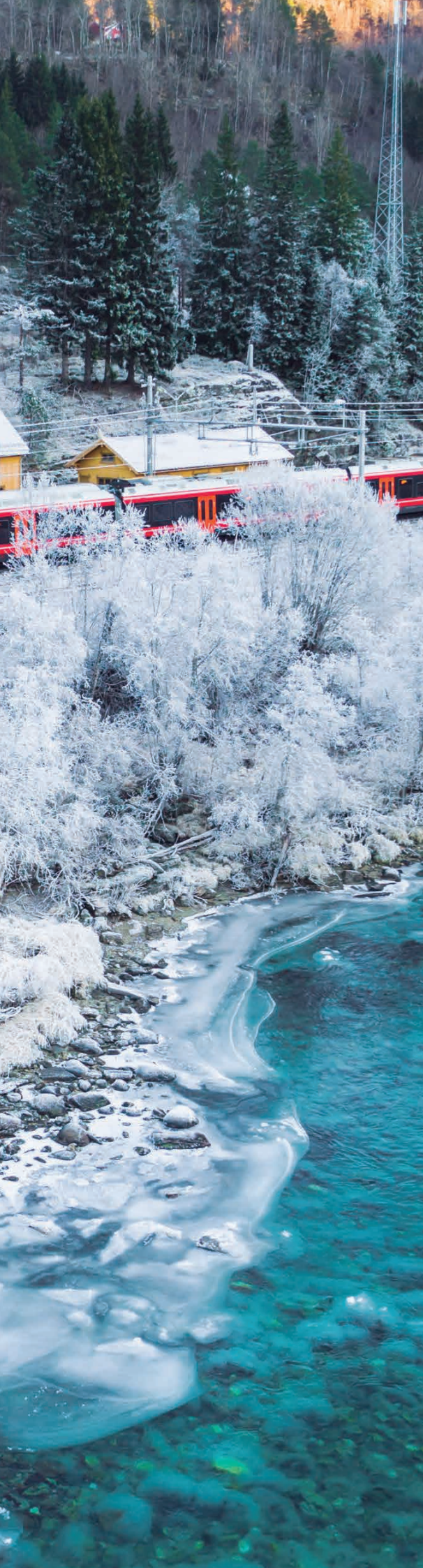
Five 3,000 kVA DCP
generators **designed to
operate reliably** in Northern
Europe.

Seventeen units manufactured
in two phases to support the
construction of **the world's
longest immersed tunnel**.

**Three 2,450 kVA generators
installed** in a critical power
infrastructure in Mozambique.

Emergency system for a
combined cycle power plant
in Brazil **supplying electricity
to 14 million people**.





2 Specialists in extreme conditions and unique projects

What happens when the environment challenges technology?

Genesal Energy doesn't design from a catalogue — we design for real-world conditions.

We develop generators that can operate where others can't: **at -30 °C**, in marine environments with salt fog, under extreme temperatures, in dusty areas or seismic risk zones. We meet each challenge with specific solutions, designed to guarantee energy supply in any situation.

We work in sectors where power is critical and reliability is non-negotiable:

Hospitals, data centres, military infrastructure, heavy industry, renewables or off-grid projects.

3 Traceability, control and attention to detail



Reliability isn't improvised.

It's built with precision, consistency and control at every stage.

Genesal Energy's industrial **model ensures complete traceability of every unit:** from initial design to final assembly and delivery, everything is documented, verified and validated.



Each generator is individually tested on load banks up to 110% of its rated power to simulate real-life conditions. We use top-brand engines and components, apply internal controls in mechanical & electrical manufacturing, and check every step with defined procedures that guarantee what we deliver.

We integrate panels, canopies, chassis, wiring and auxiliary systems at our own facilities, giving us full control over finishes, technical adaptation and final product quality.

We leave no room for improvisation:

Every step recorded, every unit tested, every solution validated.



ISO 9001:2015
Quality management.



ISO 45001:2018
Occupational health and
safety management.



ISO 14001:2015
Environmental management.



ISO 56001:2024
R&D&I Management system
certificate.



ISO 14006:2020
Ecodesign Management.



MITECO REGISTER
Certificate of Registration
in the Carbon Footprint.

These are not
just words —
we apply it
methodically
and back it with
evidence.

We work under an Integrated
Management System covering
quality, environment, safety
and sustainable design,
certified to international
standards.

Facts, not words.

**We are backed up by
our internationally
recognised standards.**

4 Technology ready for evolving sectors

Sectors evolve. Regulations change. Fuels diversify. Technical demands grow. Response times shrink.

Genesal Energy understands this — which is why we design energy systems ready to adapt.

Our generators meet the highest standards — **such as Uptime Institute compliance up to 5,250 kVA** — and are ready to operate with sustainable fuels.

We offer advanced configurations: side-by-side systems, quick-connect powerlocks, automatic synchronisation, integration with redundant cooling systems, or containerised solutions with internal compartmentalisation and customised smart control.

We design for technically complex environments where interoperability, reliability and fast response are essential.



5 International network, local support

—

We are a global company with an industrial vocation. We operate in over **40 countries**, with a subsidiary in Peru, a network of technical partners, and active projects across the Americas, Europe, Africa, the Middle East and Asia.

From Northern Spain, we export with a clear vision: to grow sensibly, stay close to our clients and support every project with real technical assistance — no time zones, no borders.

Recent milestones:

—

Consolidation of key markets like the **Middle East, Africa and Southeast Asia**.

—

Opening of the **Energy Transition Office** in Madrid.

—

Technical support hubs in **Madrid and Bilbao**.

—

Expansion of our Rental line in **Latin America**.

—

Development of special solutions in **Nordic countries**.



6 Ecodesign and sustainability

Sustainability isn't an add-on:

It's how we design, build and decide.

We apply ecodesign criteria in product development, optimising materials, improving energy efficiency and simplifying maintenance throughout the equipment's lifespan.

Our generators are ready to run on sustainable biofuels like HVO — allowing us to move

towards cleaner solutions without compromising the technical reliability each environment demands.

But sustainability doesn't stop at the product. We are also transforming our facilities, processes and energy habits. We embrace self-consumption, circular economy, waste reduction and digitalisation of control systems — with a practical and measurable impact.



A few milestones that prove our commitment:

—

First fully integrated **photovoltaic façade** in Galicia, installed at our offices for self-consumption.

—

Pioneers in our sector to achieve ISO 14006 certification.

—

First range of **generators with ecodesign** certified under ISO 14006.

—

Advanced digitalisation of energy processes to enhance **traceability and operational efficiency**.

We don't talk about sustainability. We apply it — **with actions, not just words.**



7 Our own technology centre: GENERLAB

Innovation isn't improvised:

It's researched, tested, validated and applied.

That's why we created Generlab — **our own technology centre focused on distributed energy**. From here, we lead industrially oriented R&D&I projects with a practical mindset.

Generlab is where technical knowledge meets real-world application.

Here, we develop proprietary technology, improve production processes and design solutions tailored to new energy models.

Our goal isn't just to move forward — it's to **drive the sector** forward through applied engineering.



Current and on going projects:

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Development of an **experimental facility with electrolyser** to study green hydrogen solutions.

—

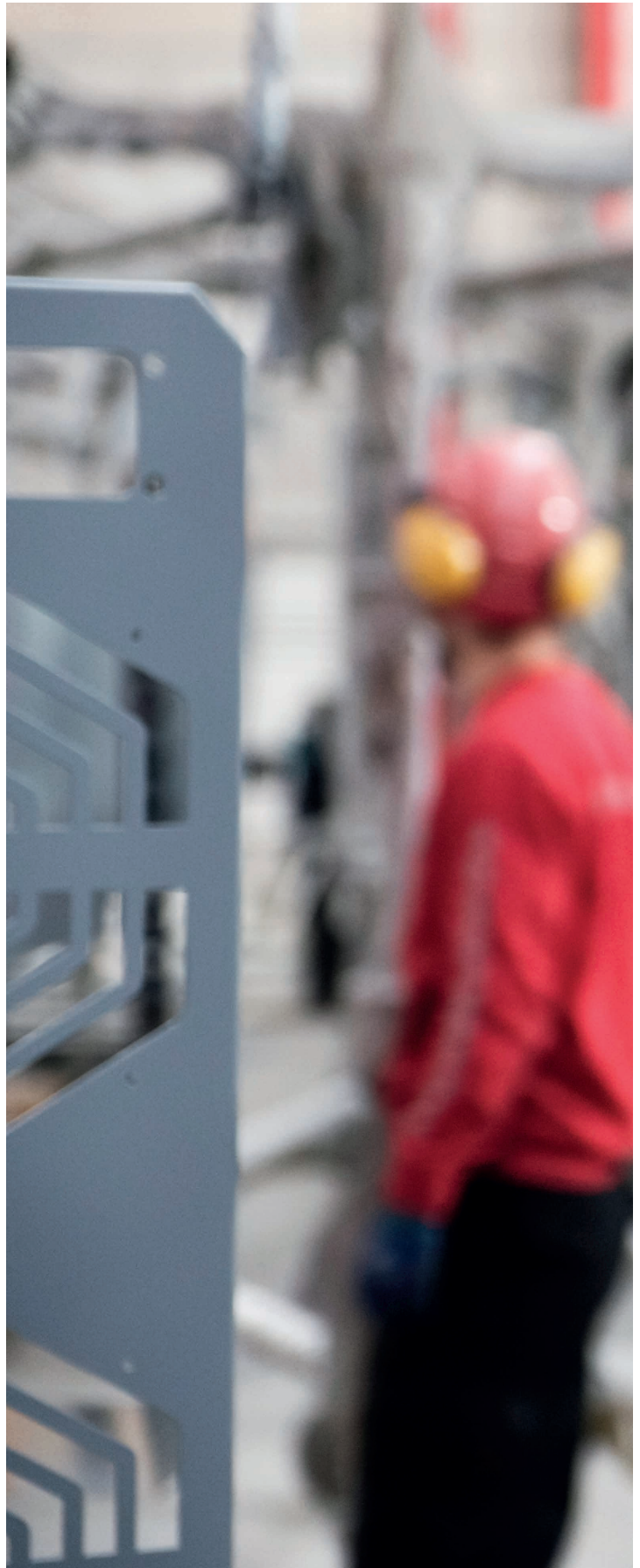
Validation of remote-control systems and hybrid operation in unstable grid conditions.

—

Digital **energy simulation models** to assess behaviour, loads and efficiency.

We do all this within an open ecosystem:

Collaborating with universities, research centres and public institutions to anticipate trends, accelerate development and generate useful knowledge.



8 Integrated service: from engineering to 24/7 maintenance

Genesal Energy believes a reliable energy system is not just built — it's supported.

Our Technical Support Service (SAT) is a key part of that promise. Designed to assist before, during and — especially — after commissioning, it ensures every unit maintains optimal performance over time.

Our SAT offers 24/7 national technical assistance, remote support, original spare parts and highly skilled personnel able to respond to any issue.

We carry out preventive and corrective maintenance, not only on Genesal Energy units but also on generators from other brands.

Our international service network allows us to coordinate actions worldwide.

Tailored to the **specific needs of each client**, sector or facility.

We are also developing new digital tools:

To enhance **technical assistance efficiency** and improve the traceability of every intervention.

Remote monitoring platforms with smart alerts.

Digitalized maintenance management and **technical follow-up**.

Data-driven intervention protocols based on **real operating conditions**.



9 Technical culture in every detail

Technology doesn't stand without people who understand it, improve it and push it forward.

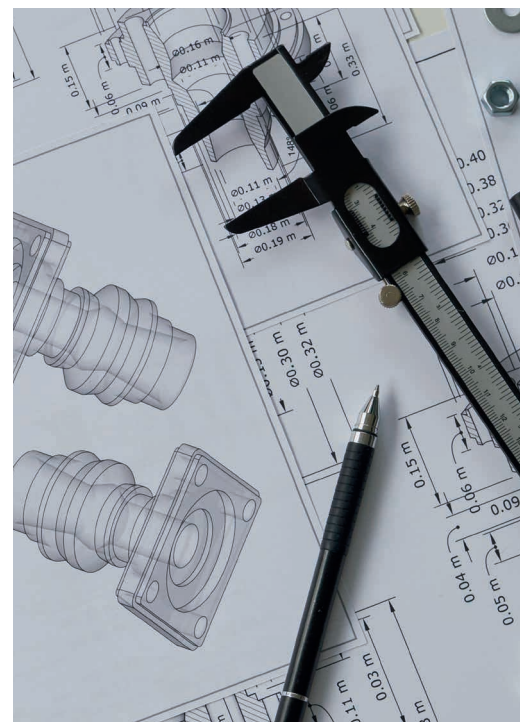
Genesal Energy champions a solid and shared technical culture, built on accumulated expertise, continuous learning and openness to new profiles and perspectives.

Through the **GENSET Academy**, we run internal and external training programs that deepen our team's expertise and pass on our knowledge to the next generation.

We work with universities, schools and technical organisations to foster young talent, share industrial knowledge and train professionals in advanced energy solutions.

But **training also means inclusion**. We collaborate with public and educational institutions to bring technical knowledge to new professional profiles and support talent development in the industrial environment.

We believe in an open, collaborative approach that connects experience, vocation and opportunity — driving a more accessible and human-centered industrial future.



This approach is reflected in how we work:

Multidisciplinary teams, continuous improvement and a high level of technical rigour. Our operational guarantees include:

— Use of **top-brand engines** and certified components

— **In-house manufacturing** of key elements such as canopies and control panels

— **Individual load testing** at 110% with project-specific validation

— Full traceability and **technical certification** of critical processes.



10 Because every story is unique

We believe in engineering that listens, in technology that adapts and in solutions that understand context.

Because behind every project, there's a unique story — an objective, an environment, technical and human conditions that make it one of a kind.

Genesal Energy approaches each case as if it were the first. What do you need? Where will the unit operate? What risks must we minimise? What will define success? These answers shape our solutions.

We design tailored energy because we understand that reliability only makes sense when built from the reality of each client.

We accompany with technical rigour, forward vision and personal commitment. Wherever you are, no matter the complexity, we take on your challenge as our own.

And perhaps that's the most important reason to choose

Genesal Energy.







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