

Grid Code Engineering is an independent technical practice specializing in grid code testing, plant performance verification, and power system studies for new and retrofit generation worldwide. Founded in 2021 and headquartered in Monterrey, Mexico, GCE has delivered **1,500+ tests** across **50+ plants** totaling **30 GW+ of evaluated capacity** — from 1 MW Jenbacher landfill units to 1,000 MW Mitsubishi combined-cycle facilities.

We are **vendor-neutral by design**. Our reports are the ones lenders, regulators, and EPC contractors rely on when independence matters — and the methodology travels: Mexico, Brazil, Chile, Colombia, Peru, Morocco, Saudi Arabia, Puerto Rico.

### THREE LEVELS OF TESTING

## Every codified test, end to end.

01	02	03
<b>Generator Terminals</b>	<b>Interconnection Point (POI)</b>	<b>Operational Testing</b>
Voltage and frequency control under no-load and load. AVR, governor, PSS, load rejection, synchronization, power-island operation at the unit boundary.	Control, ride-through, protection, dispatch interface. V/Q/PF control, primary frequency, ROCOF, LVRT/HVRT, AGC, electrical protections, telemetry.	Performance, reliability, startup and shutdown. Heat consumption curves, capacity, reliability run, startup time and cost, ramp rates, black-start where applicable.

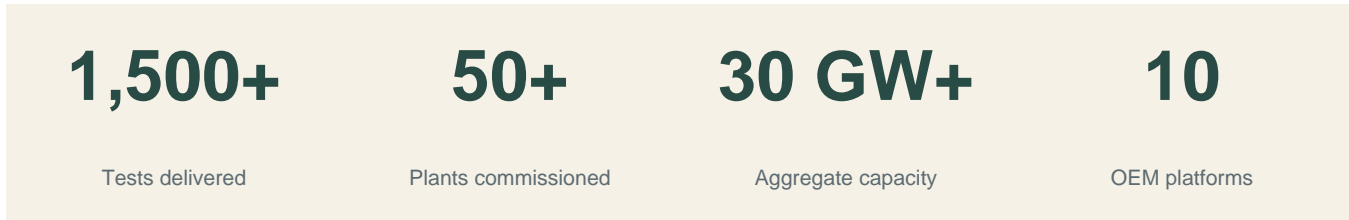
### SIX SERVICES FOR GRID CODE COMPLIANCE

## Independent engineering across six disciplines.

<b>01 / Grid Code Testing</b>	Three levels of testing — every codified test, verified to regulator specification with millisecond-grade measurement.
<b>02 / Plant Performance</b>	Owner-grade verification of contract guarantees under ASME PTC. Capacity, heat rate, reliability, SCADA & PQ audit.
<b>03 / Power System Studies</b>	Dynamic model validation, protection coordination, short circuit, arc flash, transient stability, EMT. PSS@E, DlgSILENT, EMTP, ETAP.
<b>04 / BESS &amp; Storage Compliance</b>	Compliance testing for utility-scale battery storage. P-Q envelope, PFR/FFR, ride-through, IEEE 2800.
<b>05 / Compliance Filings</b>	Regulator submission packages authored in the regulator's language. SAPPSE, ONS, CEN, XM, COES, ANRE, WERA.
<b>06 / Generator Condition</b>	Stator and core diagnostics (EL-CID, PD), rotor and bearing evaluation, excitation system tuning. Forensic specialty.

TRACK RECORD

By the numbers.



FEATURED ENGAGEMENTS

A selection of delivered work.

**CCC Salamanca — 980 MW Combined Cycle, CFE / Bajío, Mexico**

Plant-level grid code testing alongside Mitsubishi Power + Técnicas Reunidas. 25 tests for COD. Approved without queries.

**CCI Mexicali Oriente — 440 MW Wärtsilä, Baja California, Mexico**

Full 45-test grid code campaign on 24 reciprocating engines across all three scope levels. COD achieved. Recurring Wärtsilä OEM partnership.

**CT Pichilingue — 3 x GE LM6000 LNG, La Paz BCS, Mexico**

Full code plus pre-test CENACE coordination for New Fortress Energy's LNG-to-power facility on a weak peninsula grid. Basler AVR + Woodward control characterization.

**CCC Dulces Nombres — Single-Shaft Combined Cycle, Pesquería NL**

Full MEM-migration campaign for Quantum Energía plus PSS@E + EMTP dynamic-model authoring. Entire campaign executed on night shift.

**Costa Sur — 300 MW Steam Turbine Upgrade, Puerto Rico**

Post-upgrade thermal performance plus V/f and primary frequency control for GENERA. First international engagement and methodology template.

TRUSTED BY

The global operators whose portfolios we serve.

A selection of global utilities, IPPs, EPC contractors and OEM partners that have commissioned our work — and whose international footprint defines our expansion path.

UTILITIES & IPPs	OEMs & ENGINEERING PARTNERS	ENERGY OPERATORS
ENGIE	Mitsubishi Power	New Fortress Energy
Iberdrola	Siemens	GENERA
AES	Wärtsilä	Valia Energía
Acciona	Jenbacher	Quantum Energía
Contour Global		Telmex

DIFFERENTIATORS · CONTACT

## Why operators choose us.

**Independent and vendor-neutral.** No equipment sales, no manufacturer affiliation. The independence that lenders and regulators require, by design.

**ISO/IEC 17020 accreditation in progress through 2026.** CNE México accreditation in parallel — credentialing the methodology that already passes regulator review.

**Bilingual technical management system.** EN · ES · PT · AR. Reports authored in the regulator's language, adapted to local submission format.

**Field-tested methodology.** 1,500+ tests over five years across thermal, combined cycle, combustion engine, cogeneration, hydro, wind, solar, and BESS technologies.

**Grid Code Engineering**  
Monterrey, Nuevo León, Mexico  
Founded 2021

**Web**  
gridcode.com

**Email**  
info@gridcode.com

**Phone**  
+1 305 645 3012

**LinkedIn**  
linkedin.com/company/  
gridcodeengineering

OUR VALUES

## Four principles that govern every engagement.

/ 01

### Excellence and Impeccable Quality

We are committed to the highest standards of quality and accuracy in every test, report and service we offer. We seek continuous improvement in our processes and results — guaranteeing superior performance and maximum reliability.

/ 02

### Customer Orientation

We place our clients' needs at the center of all our decisions, anticipating their challenges and offering customized solutions that optimize their investments.

/ 03

### Trust and Transparency

We build lasting relationships based on honesty, integrity and openness. We act ethically in every interaction, guaranteeing our clients the security and peace of mind that their investments require.

/ 04

### Resilience and Determination

We face challenges with strength and perseverance, especially in adverse environments and demanding days. Our ability to adapt, overcome obstacles and maintain unwavering resolve ensures the delivery of reliable results.