



GRACE ENGINEERING SERVICES
INNOVATE | CREATE | INSPIRE

CORPORATE PROFILE

Engineering systems. Built to perform.

Integrated engineering consultancy, EPC and MEP delivery for industrial and commercial facilities.

SINCE 2005

PAKISTAN | UNITED STATES





GRACE ENGINEERING SERVICES

One engineering partner. Full-lifecycle accountability.

GES combines consulting insight with contracting discipline, helping clients move from an operating need to a commissioned, maintainable solution through one coordinated team.

SINCE 2005

Established engineering practice

PAKISTAN + USA

Two-market operating footprint

CONSULTING + EPC / MEP

Integrated delivery platform

8 CAPABILITY AREAS

Coordinated technical breadth





— INTEGRATED ENGINEERING

We coordinate complex systems around one operating objective.



OUR ROLE

Grace Engineering Services is an integrated engineering consultancy and contracting firm serving industrial and commercial facilities.

We assess, design, source, install, commission and improve electromechanical utilities - reducing interface risk while keeping lifecycle value and end-user practicality in focus.

THE OUTCOME

Safer operation. Lower resource intensity. Clearer accountability.



HOW WE THINK

Our purpose is practical: safer, more efficient, more resilient facilities.

MISSION

Engineer reliable infrastructure through disciplined design, quality execution and long-term client partnership.

VISION

Be a trusted engineering partner for organizations seeking safer, cleaner and more economical operations.

VALUES

Integrity

Engineering discipline

Safety

Client partnership

Continuous improvement





ONE ACCOUNTABLE WORKFLOW

Every project follows one disciplined delivery logic.

The scope can begin with a study or proceed directly to turnkey execution. The control logic remains the same.

- | | | |
|----|-----------------|---|
| 01 | DIAGNOSE | Walkdowns, records, measurements, operating constraints and the business case. |
| 02 | ENGINEER | Calculations, simulations, system design, specifications, BOQ and execution planning. |
| 03 | DELIVER | Procurement, integration, installation, supervision, testing and commissioning. |
| 04 | IMPROVE | Training, O&M support, performance verification and continuous optimization. |

Flexible scope. Consistent engineering control.



INTEGRATED TECHNICAL BREADTH

Eight capability areas work as one engineering platform.

Each area can be engaged independently, or combined under a coordinated EPC/MEP scope.

01 **Lighting & controls**

02 **Power distribution**

03 **Energy & power quality**

04 **Generation & renewables**

05 **HVAC & thermal systems**

06 **Mechanical utilities**

07 **Fire protection**

08 **Security & monitoring**

ENABLING SERVICES

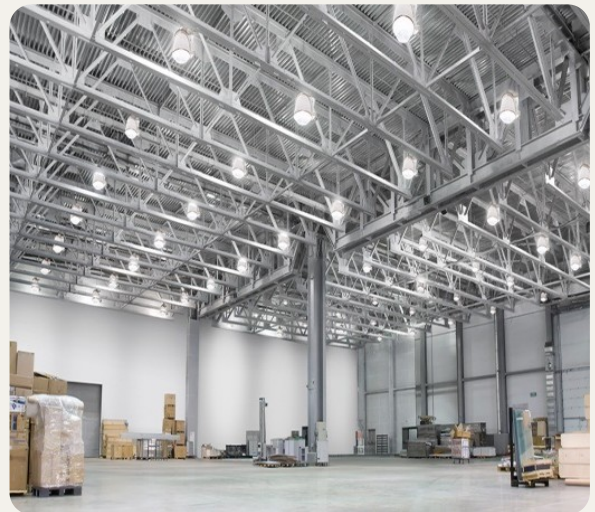
Project management | Procurement | Installation | Commissioning | O&M support

01

Lighting is engineered for the task - not selected from a catalogue.

GES integrates photometric design, product selection, controls, installation and verification to balance visual performance, energy use and maintainability.

Industrial, commercial,
architectural and outdoor lighting
High-bay, flood, street, canopy
and area lighting
Emergency, exit and life-safety
lighting
Smart controls, selective
switching and sensor integration
Hazardous-area and project-
specific compliant solutions
Retrofit studies, DIALux modelling
and performance optimization



TYPICAL APPLICATIONS

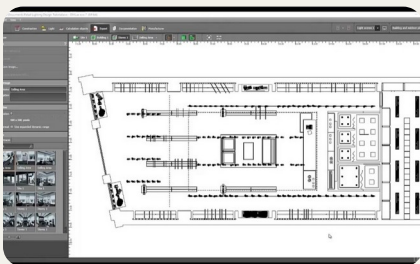
Factories, warehouses, roads, fuel stations, hospitals, offices, hotels, food facilities and public spaces.



02

Power systems are designed for reliability, control and maintainability.

From distribution planning to switchgear integration, GES develops coordinated power infrastructure around load duty, protection, continuity and future expansion.



Power transmission and distribution consultancy / EPC
Electrical panels, ACB and VCB systems
MCC, VFD, ATS, synchronization and PFC panels
Power and lighting distribution boards
SCADA-based monitoring and operating architecture
System integrity assessment and rectification planning

TYPICAL APPLICATIONS

Production plants, utilities, substations, commercial buildings, process lines and critical power systems.

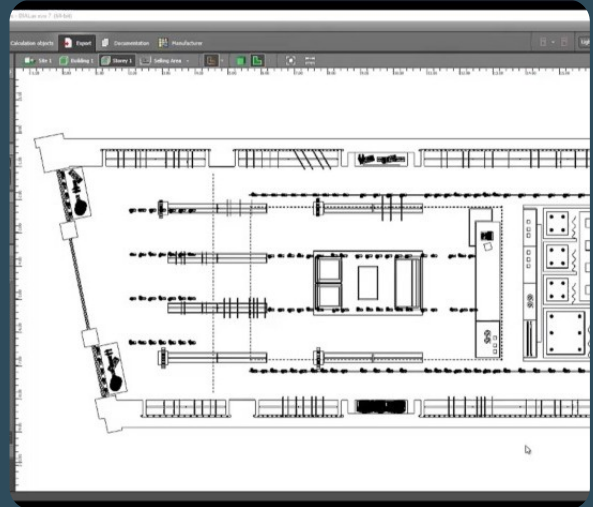


03

Measured data turns energy decisions into accountable investments.

GES combines field measurements, operating records and engineering analysis to identify practical conservation measures and system risks before capital is committed.

Building, production-plant and utility energy audits
Load profiling, load flow and load balancing studies
Harmonics, power quality and root-cause analysis
Benchmarking, normalization and conservation opportunity mapping
Cost-benefit, payback and implementation planning
Performance monitoring after implementation



TYPICAL APPLICATIONS

Boilers and steam, motors, pumps, fans, HVAC, lighting, refrigeration, process loads and building envelopes.

04

Generation and renewables are matched to duty, risk and economics.

GES develops prime, standby and hybrid solutions with the mechanical, electrical and acoustic auxiliaries needed for dependable operation.



Diesel generator solutions from 10-2,500 kVA
Natural gas, HFO, biogas and other fuel options
Battery backup and continuity solutions
On-grid, off-grid and hybrid solar systems
Fuel tanks, piping, enclosures, silencers and ducting
Installation, after-sales support and maintenance contracts

TYPICAL APPLICATIONS

Industrial plants, commercial facilities, emergency systems, remote sites and critical operations.

05

Thermal systems are optimized around process demand and total energy use.

GES addresses cooling, air quality, hot-water demand and heat recovery as connected energy systems - not isolated equipment purchases.

Absorption chillers: direct-fired, steam, hot-water and exhaust-fired

Air- and water-cooled electrical chiller systems

AHU, FCU, ventilation and indoor air-quality solutions

Cooling towers and chilled-water auxiliaries

Thermodynamic solar hot-water systems

Stack and process heat-recovery solutions



TYPICAL APPLICATIONS

Manufacturing, process cooling, hospitals, offices, malls, warehouses and commercial facilities.

06

Mechanical utilities complete the operating system around the process.

GES supplies and integrates the supporting equipment that keeps heat, water, fuel and process utilities moving reliably across the facility.



Cross-flow and counter-flow cooling towers
Centrifugal and pressure-service pumps
Gear and screw-type fuel, sludge and slurry pumps
Plate, shell-and-tube and shell-and-plate heat exchangers
Steam-to-liquid and stack-to-liquid recovery systems
Mechanical installation, fabrication and site auxiliaries

TYPICAL APPLICATIONS

Water circuits, process utilities, cooling systems, fuel transfer, sludge handling and heat recovery.



07

Fire protection is engineered as a coordinated life-safety system.

Detection, alarm, suppression and water-based protection are integrated around the hazard profile, operating environment and applicable project requirements.

Addressable and conventional detection / alarm systems
Hydrant loops, hose reels and sprinkler systems
Electric, jockey and engine-driven fire pumps
Portable extinguishers, trolleys and storage tanks
Clean-agent and special-hazard suppression solutions
Remote reporting and operating hierarchy integration



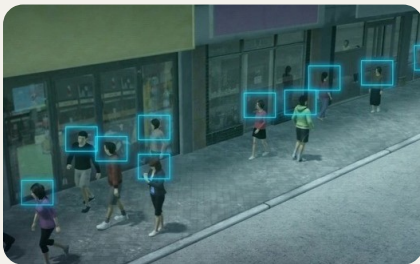
TYPICAL APPLICATIONS

Industrial plants, warehouses, commercial buildings, electrical rooms, data and control spaces.

08

Security architecture connects field visibility with faster response.

GES integrates cameras, communications, access control and analytics into an operating architecture that supports live monitoring and efficient post-event review.



- IP and analog CCTV architecture
- Bullet, dome, PTZ and thermal imaging cameras
- LAN and fiber-optic communication systems
- Access control and RFID integration
- Vehicle, facial and motion-based analytics
- Live-event and recorded-video analytics workflows

TYPICAL APPLICATIONS

Factories, warehouses, solar plants, parking, logistics, commercial sites and controlled-access facilities.



EXECUTION CONTROL

Project delivery stays controlled from scope definition to handover.

GES can act as consultant, contractor or integrated delivery partner - aligning technical scope, commercial control and site execution.

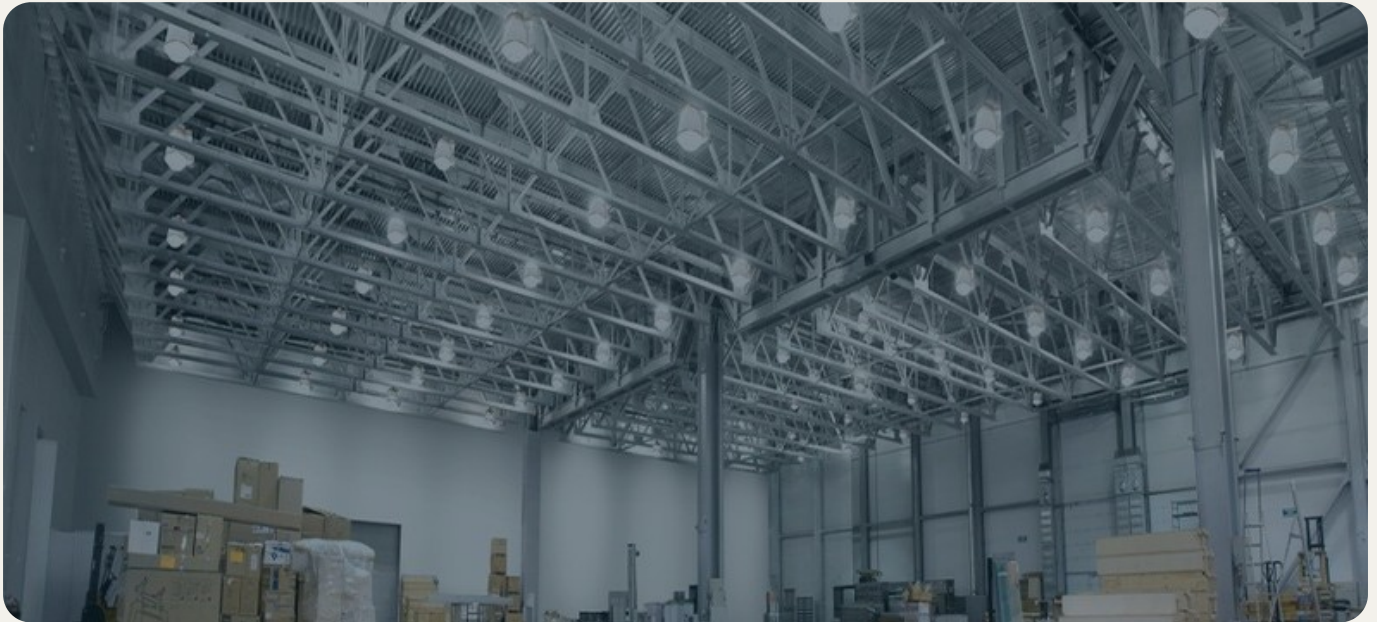
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|----|---------------------|--|
| 01 | FEASIBILITY & BASIS | Site assessment, requirements definition, option studies and project basis. |
| 02 | DESIGN & BOQ | Engineering calculations, drawings, specifications and bills of quantities. |
| 03 | SOURCE & CONTROL | Vendor evaluation, procurement support, quality checks and schedule control. |
| 04 | BUILD & COMMISSION | Site supervision, integration, testing, commissioning and closeout. |

Consultancy | EPC / MEP | Procurement | Turnkey execution | O&M support



BUILT FOR OPERATING ENVIRONMENTS

Our experience spans critical industrial and commercial environments.



01 Textile & apparel

02 Food & beverage

03 Manufacturing

04 Chemicals & process

05 Power & utilities

06 Airports & logistics

07 Hospitality & commercial

08 Infrastructure & renewable energy



ORGANIZATIONS SERVED

A diverse client base reflects practical, cross-sector delivery.

Selected organizations shown from the GES experience portfolio.



HONDA



SAPPHIRE



Client marks are presented for experience reference only.



SCALE THE SCOPE

Engagement depth can scale from a decision study to full implementation.

A four-level structure helps clients commission only the depth needed for the decision at hand.

I

DESKTOP ANALYSIS

Review the client's records, drawings, bills and operating data.

II

FIELD VERIFICATION

Add real-time measurements and site observations by the GES field team.

III

BENCHMARK & DESIGN

Develop benchmarks, engineering options and a standardized design package.

IV

IMPLEMENT & VERIFY

Supervise execution and confirm performance after implementation.

A COORDINATED DELIVERY PARTNER

Clients choose GES to reduce interfaces - not to add another vendor.

Our value is created at the points where disciplines, contractors and operating priorities usually collide.

01 ONE POINT OF ACCOUNTABILITY

Consulting, products, installation and commissioning can be coordinated under one scope.

02 LIFECYCLE VALUE

Design decisions consider energy use, operating practicality, maintenance and payback.

03 STANDARDS-AWARE ENGINEERING

Applicable IEC, IEEE, NFPA, client and authority requirements are addressed by project.

04 LONG-TERM PARTNERSHIP

Support can continue through optimization, maintenance and future system expansion.





GRACE ENGINEERING SERVICES
INNOVATE | CREATE | INSPIRE

START A CONVERSATION

Bring us the operating challenge. We'll engineer the path forward.

Consulting | EPC / MEP contracting | Procurement | Commissioning |
O&M support

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