



**PGESCO**

*Integrated Innovative Engineering*



**INTEGRATED  
INNOVATIVE  
ENGINEERING**

# WHO WE ARE

PGESCO's diversified business lines & profound expertise contributed significantly to the successful completion of a wide spectrum of mega scale and strategic projects via providing EPCM services under various formations of utility/owner engineer, developer engineer, and EPC engineer with innovative solutions for governmental utilities and commercial clients in the best interest of project reliability and cost-effectiveness.

## **Power / Utilities**

PGESCO since inception has served the power industry in Egypt and the Middle East through over 70 power projects with total capacity exceeds 70,000 MW covering all types of power generating facilities including thermal (sub-critical or super-critical), combined cycle, simple cycle, conversion simple to combined, and reciprocating engine plants projects, with diversity of clients such as governmental utilities, private investors, etc. For oil & gas or industrial facilities, PGESCO can perform OSBL and utilities scope, including the cogeneration and trigeneration application.

## **Distribution and Transmission**

PGESCO has completed EPCM services to deliver over 3000+ km of overhead transmission lines "OHTL" and over 100 substations of various voltage levels (i.e., 500kV, 400kV, 220kV, 66kV) in Egypt, Libya, KSA, DRC and Iraq. PGESCO has also a decent experience related to the energy control centers.

## **Residential & Mixed use**

PGESCO record and fact sheets include delivering 10+ major housing colonies enclosing gasoline stations, housing, administrative buildings, villas & apartments. PGESCO also provides integrated PMC services and value engineering services on the utilities for mixed use complexes and projects.

## Renewables

PGESCO has a record exceeding 4500+ MW of participation in renewable power projects in Egypt, Libya, KSA and Democratic Republic of Congo (DRC). This is including PMC services for Benban solar park with 1650 MW solar PV plant interconnection with the National Grid.

## Industrial

PGESCO have participated in different industries, with a wide spectrum of services tailored to meet each client needs and the project specific requirements, where PGESCO participation is diversified among different roles (i.e., EPCM owner engineer, EPC engineer, developer engineer, engineering subcontractor for civil, electrical networks and MEP design, advisory and consultancy services for performing full assessment for the existing facilities in terms of geotechnical, civil and electrical design to validate and specify the course of action required for any rehabilitation or future expansions).

## Water Industry

PGESCO has successfully delivered more than 40+ water and wastewater treatment facilities, 18 desalination projects, 10+ sea offshore water structure and pipes including jetty concrete, HDPE offshore and GRP onshore.

## Studies

PGESCO have participated previously on lead role(s) and in consortium formation with other international engineering firms to provide more than 40 feasibility studies, financial modeling analysis, techno-economic studies for power generation plants, waste to energy recovery plants and other industrial solutions.

PGESCO as well has extensive experience with different international financing institutions and can support funding resources activities including environmental requirements and monitoring procedures as well as reporting requirements of the client and financing agency.

## **Strategic**

PGESCO has participated in the most strategic infra-structure projects that is initiated by the Egyptian leadership to support the long-term plan for developing the quality of life and expanding the land areas eligible for population growth.

## **Strategic Direction**

### **Building Culture Dynamics**

People and systems are not enough. Building culture dynamics is essential for people and system success. Our organizational culture should establish the required incentives to integrate its dynamics for better business life and an innovative environment. Our ethical compliance is our culture rather than rules.

### **Speed**

Agility is not enough to cope with the market. Speed is the new strategic direction,

How we lead and develop our opportunities is what we count for Our tools, process, and deliverables will challenge our rivals with a prompt response.

### **Creativity & Innovation**

Imagination is leading innovation. Big data, chatbots, intelligent applications will not only be applied to our work process but will be realized in the organization delivery, team mid-sets & business communication.

### **Capacity**

Our capacity is variable and flexible enough and can scale up to cover a broad spectrum of business lines by productivity, cellular level organization, and pillars team.

# WHAT WE DO

## Development

Specialty Studies  
for Project Development

- Site Studies/  
Enablement
- Feasibility of all stages
- Specific Technical  
Assessment
- Project Concept

## Procurement / Contracting

- Tender notices/ docs  
development
- Tendering Evaluation
- Awarding process  
Mgmt
- Contracting
- Expediting

## Operation & Turn Over

- Initial Operation
- Start-up, Commissioning

## Supporting Functions

- Test & Factory Inspection
- Project Commercial Mgmt
- IT Solutions
- Record Management

## Execution

- Project Management
  - Planning
  - Cost Control
  - Risk Assessment
  - Integrated Quality  
Management Applications
- Site & Construction Management
- Detailed Engineering
  - Civil, Architectural, Structural
  - Mechanical & Process
  - Electrical
  - Plant Design, Piping and  
Layouts
  - Control Systems
  - Water Treatment Solutions
  - Process Safety & Loss  
Prevention

# PROJECT IN NUMBERS

**70+ GW**

in 70 Power  
Generation Projects

**3000+ KM**

OHTL Projects 500/400/220 kV  
- Cairo RCC - Alex Distribution  
Network enhancements

**40**

Water & Wastewater Treatment  
Facilities, 12 Desalination Projects  
installed

**4500+ MW**

Renewable Energy  
Solar/Wind

**100**

Extra High/High Voltage  
Switchyards 500/ 400/ 220/ 66 kV

**10+**

Offshore Water Structure &  
Pipes including Jetty  
Concrete, HDPE Offshore &  
GRP Onshore

**10+**

Major Housing Colonies Gasoline  
Stations, Housing, Administrative  
Buildings, Villas & Apartments

**40**

Specific Project Development  
Techno-economic Studies

**9**

Industrial Facilities

**4+ BUSD**

of National Power Distribution  
Networks Major Revamp



## CONTACT US

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