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Framework Services IMS Vision & Values





84 Extra High/High Voltage Switchyards

54,585 MW in Egypt & MENA Region

21,5B
Projects

3000 KM OHTL Projects

285,000M³/Day Sea Water Desalination





This Vast Experience Contributed Significantly to PGESCo's Understanding of Power & Industrial Projects Requirements, Especially in Engineering, Procurement, Construction Management Services (EPC/EPCM) as well as Project Management and Startup Management Services.

Development

Specialty Studies for Project Development

- Site Studies
- Feasibility
- Specific Technical Assessment



TQM [[



Procurement / Contracting

- Tendering Evaluation
- Contracting
- Materia
- Expediting



Execution

- Detailed Engineering
- Site & Construction Management
- Project Managemen



Operation & Turn Over

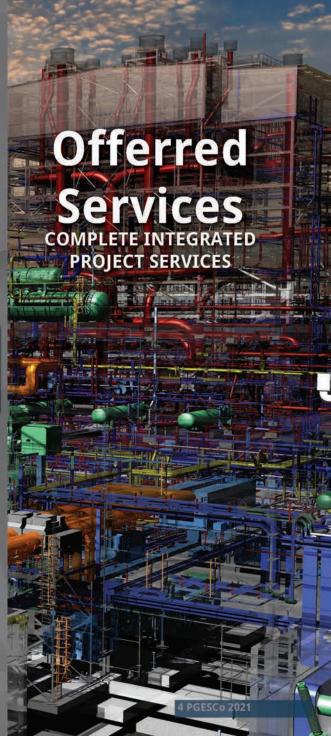
- Start-Up Commissioning
- > Initial Operation



Supporting Functions

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





ISO 14001:2015, ISO 45001:2018, ISO 9001:2015 Certification



Current issue date: Expiry date: Certificate identity number: 21 September 2020 18 September 2023 10294500

Original approval(s) ISO 14001 - 6 July 2014 ISO 45001 - 6 July 2014 ISO 9001 - 19 September 2

Certificate of Approval

This is to certify that the Management System of:

Power Generation Engineering & Services Co.

41 Al Salam Avenue, Central District, New Cairo, Egypt

has been approved by Lloyd's Register to the following standards:

ISO 14001:2015, ISO 45001:2018, ISO 9001:2015

Approval number(s): ISO 14001 - 00026997, ISO 45001 - 00026998, ISO 9001 - 0045537

The scope of this approval is applicable to:

Design, Engineering, Procurement, Project and Constrution Management for Power Generation Plants.

Luis Burka

Luis Cunha

Area Operations Manager - SAMEA

Issued by: Lloyd's Register Egypt LLC

for and on behalf of: Lloyd's Register Quality Assurance Limited



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ISO/IEC 27001:2013



Autrent saue date: Expry date:

17 February 2020 8 January 2023 10250668 Original approval(s): ISO/IEC 27001 - 6 January 20

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41 Al Salam Avenue,, Central District, New Cairo, Egypt

has been approved by Lloyd's Register to the following standards

ISO/IEC 27001:2013

Approval number(s): ISO/IEC 27001 - 0045606

The scope of this approval is applicable to:

The Information Security Management System supporting the confidentiality, integrity, and availability of Information for Design, Engineering, Procurement, Project & Construction Management for Power Generation Plants and other related projects, in accordance with SOA Revision 2 dated November 28 2019

Inis burba

Luis Cunha

Area Operations Manager - SAMEA

Issued by: Lloyd's Register Egypt LLC

for and on behalf of: Lloyd's Register Quality Assurance Limited

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1996/19/17

PGESCO ISO Certificates





PGESCo Engineering Typically Provides:

- . Architectural
- . Civil / Structural
- . Control Systems
- . Electrical
- . Mechanical & Process
- . Water Treatment Solutions and Desalination

- . Plant Design
- . Engineering Quality Assurance & Quality Control
- . Environmental
- . Engineering Platform
- . Geotechnical and Hydraulics



PGESCo Engineering Typically Provides:

- . Technical Specification Preparation for each Equipment
- . Basic, FEED & Detailed Engineering Design
- . Pre-tender Clarifications
- . Technical Evaluation of Tenders
- . Pre-award Clarifications

- . Review of Contractors Technical Documents and Technical Coordination
- . Construction Support Services
- . Startup and Acceptance Testing Support
- . Plant Performance Tests
- . Training Services

- . Plant Data Book
- . Engineering Studies





Architectural Engineering Services

Building Code Analysis:

- . IBC International building code
- . NFPA Life safety code
- . Buildings occupancy classifications
- . Means of emergency exits
- . Life safety requirements

Architectural Specifications Including:

- . Project standard specifications
- . Technical specifications for each project requirements
- . Design criteria for architectural works

Architectural Design Including:

- Power block buildings to accommodate turbine and related electrical & control facilities
- . Auxiliary buildings such as pump house and switchyard buildings
- . Ancillary buildings such as administration and workshop buildings
- . Colony and accommodation buildings.
- . Landscape design "hardscape & softscape"

3D Modeling

. Using various types of software for high level of coordination and presentation





Civil Engineering Services

Civil/Structural

- . Dynamic Analysis and Design of Machine Foundation and Complex Structures.
- . Analysis and Design of:
- Steel Structures/Buildings.
- Reinforced Concrete Structures and Foundation (Shallow and Deep Foundation).
- . Preparation of Technical Specifications, Tender Documents, Evaluation of Bidders, and Recommendation of Civil Related Award Contracts.
- . 3D Modeling of Civil-Commodities; including Steel Structures, Concrete Buildings, Rebar Detailing and Underground Circulating Water Pipping.
- . Storm Drainage & Roads Design
- . Design of Chimneys
- . Design of Water Structures
- . BIM Modeling

Geotechnical

- . Onshore/offshore Soil Investigation and Geophysics.
- . Geotechnical Analysis and Design.
- . Seismic Hazard Assessment & Analysis.
- . Topographic Survey and Underground Detection.

Hydraulic Works

- . Hydrographic Survey, Hydraulic Modelling.
- . Design of Circulating Water System (Onshore/Offshore).



Front End Engineering

- . Instrumentation and Control Valves BOQs and Purchase Specifications
- . Automation Platform I/O sizing and Purchase Specifications
- . Automation Platform Architectural Drawing
- . Overall Automation Strategy

Instrumentation and Analysis Design

- . Instrument Selection
- . Instrument Data Sheets
- . Control Valve Data Sheets
- . Control Valve Sizing and Selection
- . Instrument Location Plans
- . Instrument Installation Details (IID)
- . Continuous Emissions Monitoring System (CEMS)
- . Steam & Water Analysis System (SWAS)



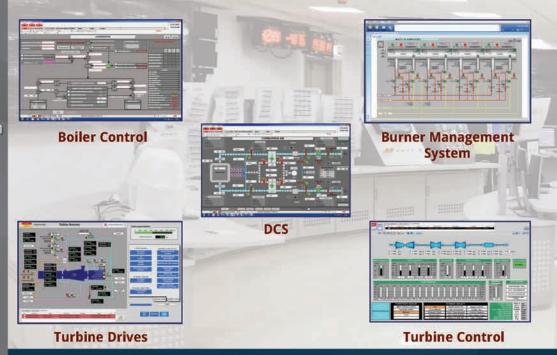
Control Systems Engineering Services

Process Automation

- . Distributed Control System (DCS) Specification
- . Emergency Shutdown Systems (ESD) Specification
- . Safety Instrumented System and Hazard Interoperability Study Participation
- . DCS and ESD Sizing
- . Input/Output Signal Listing and Assignment
- . Process Control Description, Logic Narratives
- . Logic and Functional Control Diagrams
- . Cause and Effect Matrix
- . Overall automation programs (single startup pushbutton programs,
- . function group controls and sequences)
- . Plant Master Control Design
- . Graphic Sketches
- . Performance Monitoring, Asset Management and Optimization packages
- . Automation Platform Hardware and Software Testing
- . Plant Performance Testing Participation.
- . Control Room Design
- . I&C Cable Design and Termination Diagrams

Process Automaiton Calculations

- . Thermowell Stress and Wake Frequency Calculations
- . Flow Elements Preliminary Sizing and Verification Calculations
- . Control Valves Preliminary Sizing and Verification Calculations
- . Instrument Tubing Freezing and Heat Tracing Calculations
- . Steam and Water Sample Tubing Heat Transfer Calculations



Control Systems Engineering Services





Process Simulators

- . Process Model Design and Fidelity Definition
- . High Fidelity Process Simulators
- . First Order Physical Models
- . Functional Input/Output Models
- . Process Model Automation

Operator Training Simulators

- . Control System Simulation
- . Integration of Control System Simulators with Process Model Simulators
- . Training Courses Preparation
- . Operation Procedures Preparation
- . Training Scenarios Implementation
- . Fault Injection and Response Monitoring



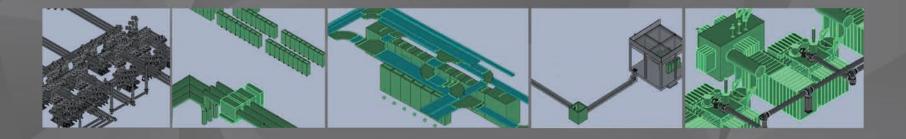
Control Systems Engineering Services



Electrical Engineering Services

Metering and Relaying Single and Three-Line Diagrams

- Plant Metering and Relaying Single-Line Diagrams
- Plant Protection Three-Line Diagrams



Equipment Modeling, Layout Drawings and Raceway System Design

- Equipment Layout Drawings
- Raceway System Design



Electrical Engineering Services

Breaker Logic Diagrams Power System Studies

- Short Circuit Calculations
- Load Flow
- Motor Start Simulations

Electrical Equipment Sizing and Specification

Sizing and Specification for the Following:

MV and LV Switchgear, Plant Power and LV

Transformers, DC and UPS Equipment, Grounding System, Switchyard Equipment and Systems, Generator Circuit Breaker, and Isolated Phase Bus Duct

Protection Setting and Relay Coordination Study

Renewable Energy: PV plants

Preparation of:

- Feasibility Studies
- Technical Specifications
- Conceptual/detailed Design
- Commission and Testing
- Assessment and rehabilitation for On-Grid, Off-Grid and Hybrid PV Plants





Mechanical Engineering Services

PGESCo Process and Mechanical Department continues to provide long list of engineering services including:

- . Conceptual Design
- . Detail design
- . Heat and Mass Balance for power plants and cogeneration plants
- . Process Simulation and PFD's for process plants
- . Design Reports
- . Piping and Instrumentation Diagrams (P&ID's)
- . Detail systems design calculations
- . Material Requisitions
- . Technical Evaluation
- . ESIA studies implementation and follow-up
- . HVAC
- . Fire Protection Systems



PGESCo has an experience with almost all types of mechanical equipment including:

Static Equipment:

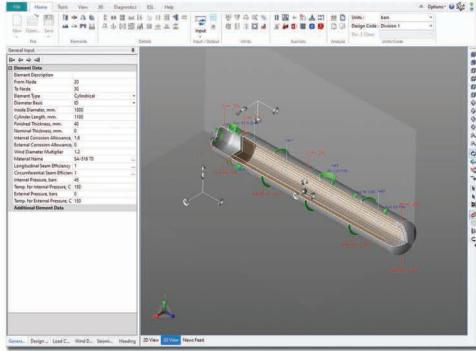
- . Fixed Roof Tanks
- . Floating Roof Tanks
- . Pressure Vessels

Fired Heat Transfer Equipment:

- . Supercritical Boilers
- . Subcritical Boilers
- . Package Boilers
- . Heat Recovery Steam Generators
- . Fired Heaters

Unfired Heat Transfer Equipment:

- . Surface Condensers
- . Air Cooled Condensers
- . Shell and Tube Heat Exchangers
- . Plate Heat Exchangers
- . Air Cooled Heat Exchangers
- . Deaerating open Heaters







Mechanical Engineering Services





Mechanical Engineering Services

Rotating Equipment:

- . Steam Turbines (From small size range of less than 1 MW up to 700 MW)
- . Gas Turbines
- . Supercritical Feed Water Pumps
- . Subcritical Feed water pumps
- . LPG Pumps
- . Chemicals Pumps
- . High Viscosity Fluid Pumps
- . General Purpose Pumps
- . Gas Compressors
- . Air Compressors

Other miscellaneous equipment and packages includes:

- . A particulate Control Electrostatic Precipitators (ESP)
- . HVAC
- . Fire Fighting Equipment



Detail systems design

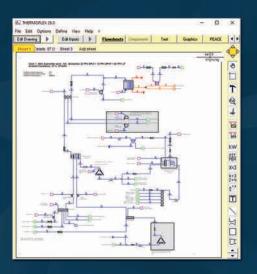
PGESCo has the right tools and long deliberating and checking process that guarantee accurate results and optimized designs.

Intelligent Piping & Instrument Program

Through its Intelligent Modelling Platf orm that is Fully Integrated, PGESCo can Guarantee the Accuracy of the design presentation and the associated equipmen, valves, pines and other specialty lists.



Mechanical Engineering Services





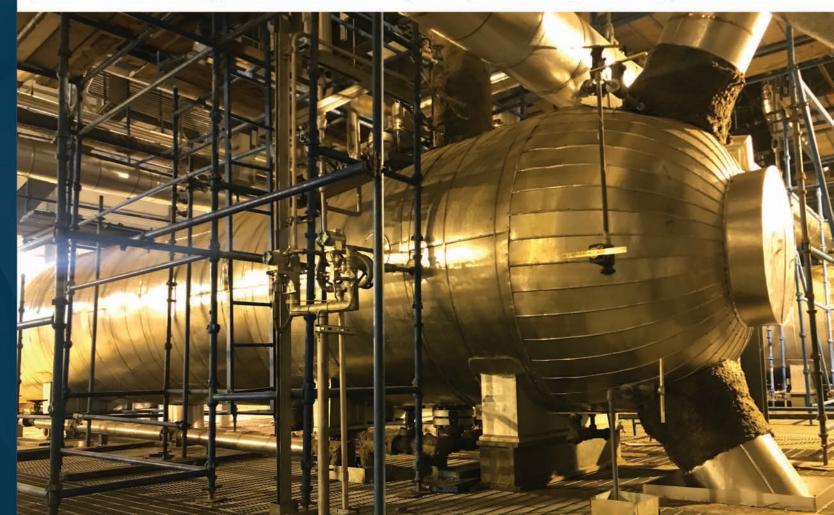


Mechanical Engineering Services

Performance Test Group

Whether for performance evaluation for Guarntee check purpose, baseline performance, or comparison to a baseline performance, PGESCo has a crew of experienced equipment and plant performance engineers that can take care of all plant performance testing details using ASME PTC, ISO, or any other international code or standard.

PGESCo has successfully helped many companies in power generation industry and in Oil and Gas production industry to make a full assessment to the performance of their equipment or generation units and provided all the necessary performance data and engineering studies to support their upgrade decisions.





PGESCo Water Treatment Solutions

PGESCo water technology department provides various engineering services including but not limited to:

- Raw water analysis and characterization
- Water Balance
- Selection of treatment processes
- · Process design concept
- · Layout and master planning
- · Detailed process design
- Detailed mechanical and process calculations
- Process flow diagrams (PFDs)
- Piping and instrumentation diagrams(P&IDs)
- · Intake and outfall design
- Piping design
- Material selection
- Technical specifications
- Material requisitions (MRs) and purchase orders (POs)
- · Technical Evaluation of bids
- Review of engineering submittals and approval
- Performance testing of water treatment systems
- Construction support and operation support
- Operational data analysis and site surveys
- Technical studies and design reports
- Environmental studies and regulations compliance reports

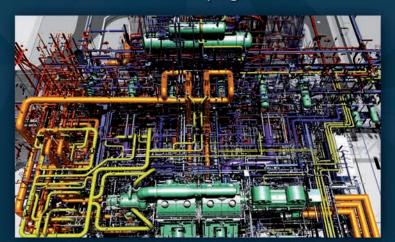




Plant Design

Piping & Valves Speciality

- . Issue Piping Material Classes
- Prepare Specifications and Material Requisitions for Piping,
 Valves, and other in-line Components, e.g., Expansion Joints,
 Traps, Strainers, etc
- . Prepare Pipe Fabrication and Installation Specifications
- . Prepare Pipe Insulation Specification
- . Material Selection for Piping and Valves



Equipment & Pipe Layout Design

- . Site Layout Development & Optimization
- . 3D Modeling of Mechanical Equipment and Major Plant Commodities
- . Design and Routing of Different Plant Piping Systems
- . 3D Modeling of Piping, Fittings, Valves, Special Devices etc
- . Ownership of Plant 3D Model and Exchange it with Contractors Models
- . Run Model Review and Interference Checking of PGESCo Design and Contractors Commodities





Plant Design

Stress Analysis

- . Perform Computer Stress Analysis of Piping Systems Including:
 - Weight, Thermal, Wind, Seismic, Time History (Steam Hammer), Dynamic Loadings, and Provide Support Loads and Locations to the Pipe Support Group.
- . Perform Transient Analysis.



Pipe Support Design

- . Prepare Specifications for Fabrication and Installation of Pipe Supports.
- . Prepare Requisitions for Procurement of Pipe Supports.
- . Select Feasible Support Locations for Analyzed Systems.
- . Select Support Locations and Type for Non-analyzed Systems.
- . Pipe Support Design.
- . 3D Modeling of Pipe Supports & Hangers.
- . Analyzing Engineered Pipe Supports.



Engineering Quality Assurance & Quality Control

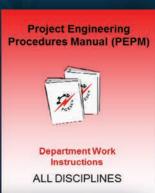
Quality Control

- . Design Checklists
- . Documents & Drawings Register
- . Calculation Register
- . 3D Model Review Meeting
- . Design Checkers
- . Design Review Notice "DRNs"
- . Coordination Forms
- . Standard Drawings
- . Standard Forms
- . Risk Register

Quality Assurance

- Engineering Design Procedures "EDP's", Standard Engineering Instructions "SEI's", Guide Engineering Instructions "GEI's", Work Process Diagrams "WPD's"
- . Codes & Standards
- . Standard Technical Specifications
- . Continuous Training and Development of Engineers
- . Audits Planning "internal & external"
- . Risk Analysis & Assessment
- . Documents and Records Numbering System
- . Lessons Learned







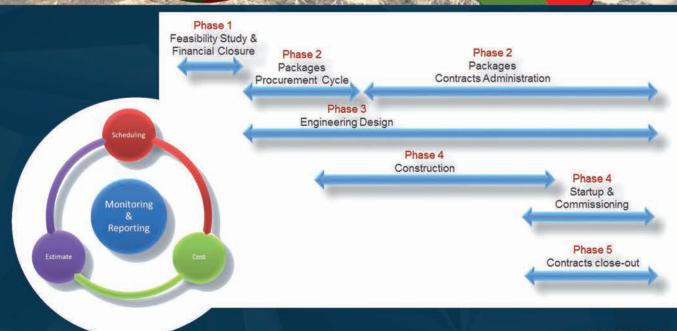
Engineering Software Platform

Department Name	Programs Name	Department Name	Programs Name
Architecture	> ARCHICAD > MICROST ATION > Artlantis Studio > Sketchup > Photoshop	Mechanical/ Process	 PDS2D P&ID Gate Cycle PIPNETVISION PIPNETVISION (Transient Module) AFT Arrow4 DFA (PGESCo Developed for Feed Water Heaters Drain Lines Sizing Analysis)
Civil/ Structural	 Plaxis 2D Plax is 3D 2011 LPIPLE AUTOCAD MICROSTATION Staad Advanced Foundation 	Plant Design	 3E Plus CAESAR II PSD Frames (PGESCo Developed for Piping Supports Supplementary Steel Design and Analysis) PSD Hangers (PGESCo Developed for Piping Hangers and Supports Design & Selection)
Electrical	 Grounding, CDEGS ETAP AG Lighting, Pss1E PED (PG ES Co Developed for Cable Design) PVSOL Exfi1ert PVS:tst 	Smart Plant Enterprise Suite	 SmartPlant 3D (SP3D) SmartPlant P&ID (SPPID) SmartPlant (SPEL) Import Manager SmartPlant Instrumentation (SPI) SmartPlant Review (SPR) SmartPlant Electrical (SPEL) SmartPlant Reference Data (SPRD) SmartPlant Foundation (SPF) SmartPlant Foundation (SPBI)
Control Systems	➤ MS Visio➤ WinSteam➤ IMT		



- Planning and Scheduling
- Project Cost
- Estimating
- Monitoring and Reporting

In addition, the Estimating Function Maintains a Historical Cost Database and Skilled Resources to Support the Business Development and Proposal Process.





PLanning Process



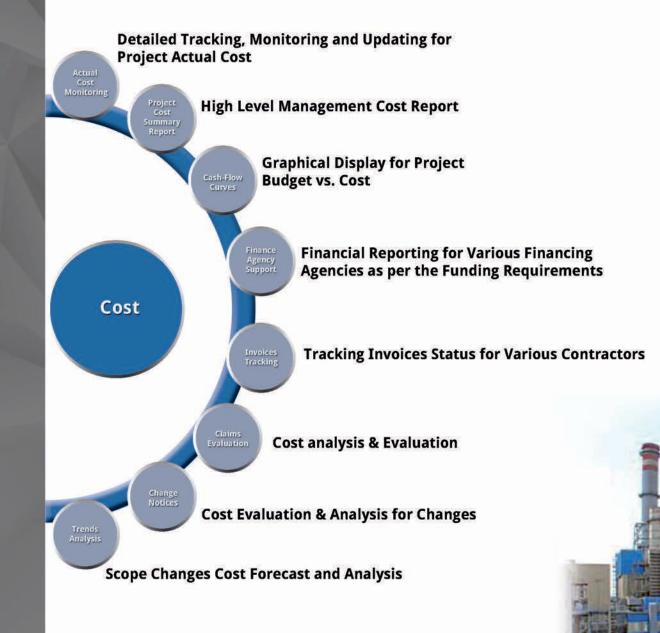


Planning & Scheduling



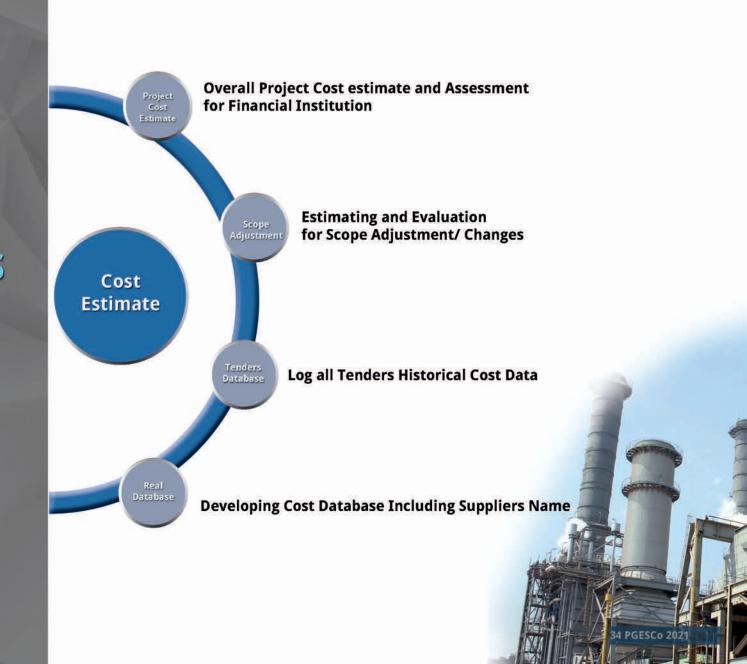


Cost Control



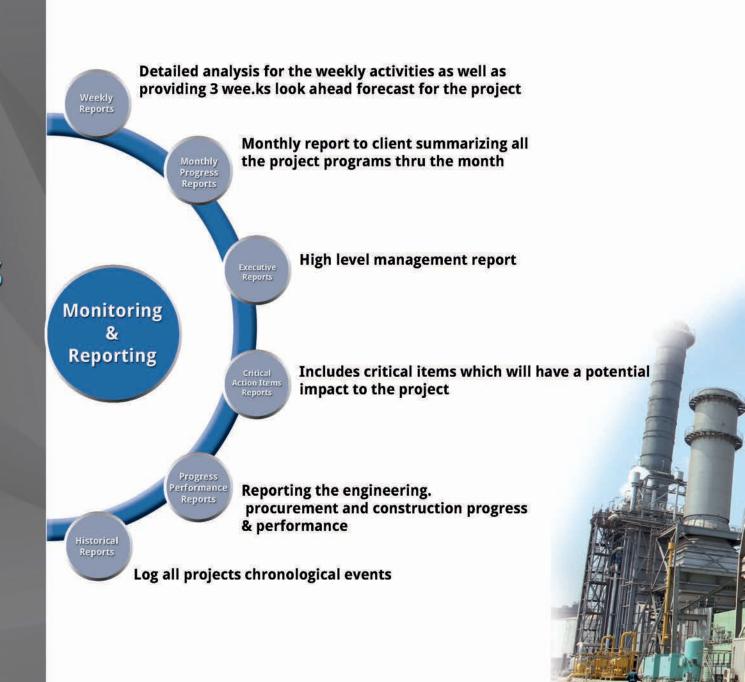


Planning & Scheduling





Cost Control





Project Controls

Planning & Scheduling







- * Primavera
- * Microsoft Office
- * Milestones Professional
- * Acumen Fuse
- * Richardson Cost Estimate
- * ROI (Financial model)







PGESCo Believes in Safety First, Then We Race to the end. From Site Tests to Contractor Interface, Our Team is on Schedule Rising up to your Highest Expectations Every Step of the Way.

The Integrated Project Jobsite Team can Perform the Hereinafter Tasks During the Job site activities Execution.



Construction Management

- . Receive Contractor at Site via the kick off Meeting and Supervise Contractor Mobilization.
- . Review Contractor Resources Adequacy with Workload in Accordance with Schedule.
- . Review and Approve all Contractors Key Personnel Qualification.
- . Supervise all Material Delivery, Receiving, Storage and Handling in Accordance with Drawings and Specifications.
- . Review and Interpret Contractors' Drawings and Specifications.
- . Carry Out a Schedule-Monitoring Program.
- . Supervise the Construction Work.
- Review Heavy Equipment Handing/Lifting Plans and Supervise their Execution.
- . Coordinate the Interfaces Among the Contractors and Resolve any Issues Concerning the use of Space (Coordinate and Sequence the Accessibility by the Various Contractors to the Different Work Area).

- . Conduct Periodic Coordination Meetings with the Contractors.
- Supervise and Attend all Construction Testing Activities and Approve its Results.
- . Conduct Systems Walk Down.
- Follow up System Punch List Closure and Turn Over to Startup and Commissioning.
- . Determine Construction Progress and Recommend Progress Payments.
- . Monitor Work Progress & Determine Extra Work and Changes.
- . Review Field Modifications and Provide their Disposition.
- Review Test Procedures and Coordinate Engineering Comments on Field Construction, Field Surveys, Tests, Laboratory Services and Startup Management Activities.





- . Review Environmental, Safety & Health (ES&H) Plans for all Contractors During the Tender Evaluation.
- . Issue and Update ES&H Specification and Contract ES&H Requirements . as a Minimum Requirements for Contractors ES&H Site Implementation. .
- . Ensure Contractors Understand their ES&H Obligations by Participation on Pre-tendering, Procurements, Contract Evaluation & Pre-mobilization.
- . Develop the ES&H Requirements on Execution Plan.
- . Review and Approve Contractors ES&H Staff & Qualifications.
- . Review All Work Permits, Risk Assessments, Lifting Plans, Methods Statements, ES&H Training Programs, Medical Surveillance, Waste Management, Hazard Communications, and Others.
- . Coordinate Site ES&H Construction, Startup & Commissioning Activities.

- Conduct ES&H Site Inspection and Issue of Corrective Actions / Nonconformance Reports.
- . Coordinate Site Emergency and Evacuation Plan & Drills.
- Investigate Incidents & Near Misses and Issue of Lesson Learned.
- . Review All Environmental Measurements and Ensure Compliance With Laws and Regulations.
- Review Licenses and Certifications and Conduct Inspection of Equipment's before Allowing Site Operation.
- . Coordinate, Lead Site ES&H Meetings and Site Walkthroughs.
- . Conduct Several ES&H Training for PGESCo/ Client's Employees.
- . PGESCo is Certified for ISO 14001 & 45001.

Construction Software

. Punch List Program

Program Controls all Punch List Items (ownership Open & Close) for every Contractor Included with severity Category Leveling.

. I/O List Program

Program Controls all Loop and Functional Checks for every Contractor.

. Daily Report Program

Program Manages all Daily Reports Issued by the Construction Engineers that Shows Daily Activities Attached with Site Photos.

. BIM Program

BIM (Building Information Management) Program Manages the Steel Structure Work Process Starting from Engineering, Purchasing, Fabrication, Delivery, Handling and Erection.

. Lessons Learned Program

Program Captures Lessons Learned for Running Jobs to be Utilized in Future Jobs Enhancement and Improvements.





Prime Contracts & Procurement

PGESCo Uses Multi-Package and Turnkey Contracting Systems Depending on The Client Requirements and Costs Optimization opportunities.

Also Uses Competitive Tenders, Setting All Technical Terms and Commercial Conditions to Evaluate Bids.

Scope

Prime Contracts (Formation and administration of contracts between PGESCo and Clients).
Project Procurement.
Contract/Purchase Order Administration.

Prime Contracts Main Tasks

Contractual Risk Identification & Assessment Preparation of Different Types of Agreements such as:

- Non-Disclosure Agreements.
- Memoranda of Understanding.
- Joint Venture Agreements.

Review Terms and Conditions Provided by Clients and Identification of Required Changes.

Contract Negotiations and Conforming Contract Documents to Incorporate Agreement Between Parties.

Prime Contract Administration (Invoices/Changes/Amendments, etc.)





Development of Contracting Plan Depending on Client needs.

Pre-qualification of Tenderers and Evaluation of their Capabilities Based on Previous Experience, Financial Standing, Technical Capabilities and Safety Records etc.

Development, Review and Issuance of Tender Documents in Accordance with Owner and Financing Requirements and Procedures.

Coordinate Tendering Period Activities such as Conducting Pre-tender Meetings, Issuance of Addenda, etc.

Evaluation of Tenders Received and Issuance of Recommendations of Award to Owner.

Conducting Pre-award Negotiations with Successful Tenderer/Conforming Contracts.







PGESCo EPCM of Multi-Package Contracting Plan For Plants

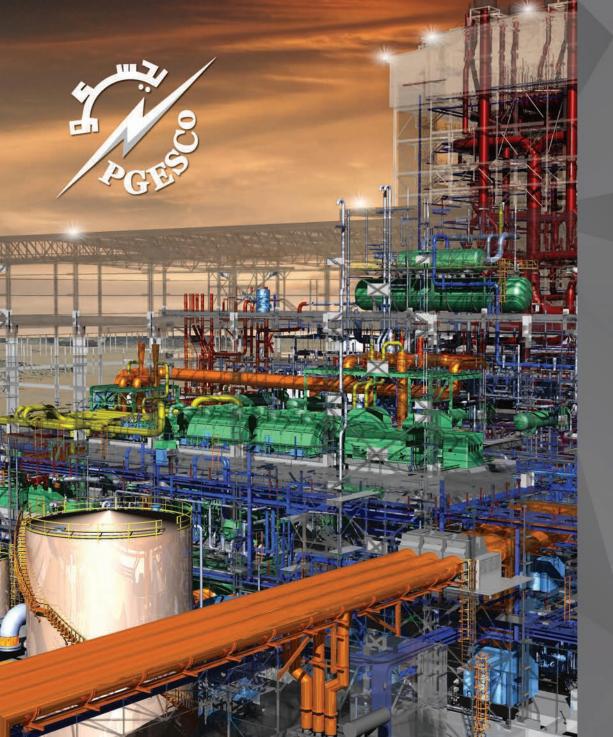
Typical Range: 17-22 Contrat and Purchase Order Packages (Client is Electricity Utility)

Contract Packages - Supply & Installation Scope

- · Combustion Turbine Generator.
- · Civil Works.
- · Environmental Monitoring.
- Switchyard.
- · Heat Recovery Steam Generator/ Boiler.
- · Steam Turbine Generator.
- · Yard Tanks.
- · Wrap-Up Insuraoce.
- · Water And Waste Water Treatment.
- Elec. Equip./Instrument. Install.
- Mech. Equip./Pipe Install.
- · Intake Ang Disdiarge Off-Shore.
- · Site Services.

Purchase Orders - Supply only

- Pumps And Drives.
- · Feed Water Heater.
- · Critical Piping And Valve.
- · Power Transformers.
- · Distributed Control System.



Project Procurement Post - Award

- . Issuance of Contractual Correspondence.
- . Change Management: Issuance/Tracking of Change Notices and Preparation of Contract Amendments.
- . Claims Management and Settlement.
- . Review/Processing of Invoices.
- . Follow-up and Monitoring of Submittals, Documentation, Guarantees, Insurance Coverage, Back Charges.
- . Administration of Supplier Quality Program/Plan and Manufacturing Inspection.
- . Support of Owner During Arbitration Procedures.
- . Processing and Negotiation of Insurance Claims.
- . Assessment of Contractual Liquidated Damages for Performance and/or Delays.
- , Issuance of Completion Certificates.
- . Contract Closeout Activities.
- . Local and international Expediting.

EPCM of Multi-Package Contracting Plan For Power Plants

Typical Range: 50 Material Requisitions (Client is EPC Contractor)

List of Material Requisitions

List of Material Requisitions

- Overhead Bridge Cranes and Gantry Crane CTG.
- Overhead Bridge Cranes and Gantry Crane STG.
- Water and Wastewater Treatment Package.
- Hoists, lifting Devices and Monorails.
- HVAC For GIS (Switch GEAR and Control Room).
- HVAC For CTG.
- HVAC For STG Buildings and Control Building.
- HVAC for Balance of Plant.
- * All field Erected Tanks.
- * Non Metallic Tank.
- Fire Water Pumps, Drives and Controllers.
- Sump and Vertical Pumps.
- Fire Protection Systems and Equipment (GIS, GIS Control, Central Control Building and Gas Station).
- Fire Protection Systems and Equipment (BOP).
- * Compressed Air Plant Package.
- Service Water Pumps

- * Water pumps.
- Emergency Shower and Eye/ Face Wash Stations.
- * Conical and Wye Strainers.
- * Valves.
- Nitrogen Bottle Gas Distribution System.
- Hydrogen Bottle Gas Distribution System.
- Carbon Dioxide or Argon Bottle Gas Distribution System.
- * Hydro-Pneumatic Tank
- Sanitary Sewage Lift Station Equipment/Pumps.
- * Elevators.
- A/G Supports / Pipe Rack.
- GIS and GIS Control.
 Buildings: Telecommunication system.
- CTG and Central Control Buildings: Telecommunication system.
- Others Buildings: Telecommunication System.
- GIS,GIS Control, CTG and Central Control Buildings: Lighting Panels.
- Others Buildings : Lighting Panels.

- * UPS & DC System.
- Distribution Transformers and LV Switchgear (Load Center).
- Cathodic Protection System (Tanks).
- Cathodic Protection System (U/G Piping).
- * Flow Elements.
- Temperature Elements.
- * Pressure Gauges.
- * Level and P/DP Transmitters.
- General Service Control Valves.
- * Tubing & Racks.
- * Tanks Accessories.





Expediting Services

Expediting Services

- Material Tracking Systems
- Integration with other Project schedules and Deliverable

Item Description	Vendor/Country	Procurement									
		Placing Order					Receiving at Workshop				
		Planned	Forecast	Variance Forecast	Actual	Variance Actual	Planned	Forecast	Variance Forecast	Actual	Variance Actual
Equipment/Material Furnished by Supplier		1.1									
Vertical can-type condensate pumps complete with electric motor drives and accessories											
Unit 1	South Korea	15/12/31	15/12/31	0	15/12/31	0	16/2/29	16/2/29	0	16/2/29	
Unit 2	South Korea	15/12/31	15/12/31	0	15/12/31	0	16/2/29	16/2/29	0	16/2/29	
Motor driven HP/LP feedwater pumps complete with electric motor drives, accessories and individual automatic recirculation system											
Unit 1	South Korea	15/12/31	15/12/31	0	15/12/31	0	16/5/9	16/5/9	0	16/5/9	
Unit 2	South Korea	15/12/31	15/12/31	0	15/12/31	0	16/6/6	16/6/6	0		
Anchor Bolts and Embedded Items(LP/HP FP)											
Unit 1	South Korea	15/12/31	15/12/31	0	15/12/31	0	16/2/4	16/2/4	0	16/2/4	C
Unit 2	South Korea	15/12/31	15/12/31	0	15/12/31	0	16/2/4	16/2/4	0	16/2/4	
Startup & Commissioning Spare Parts and Special Tools(LP/HP FP)										36. 30	
Unit 1	South Korea	15/12/31	15/12/31	0	15/12/31	0	16/6/23	16/6/23	0		
Unit 2	South Korea	15/12/31	15/12/31	0	15/12/31	0	16/6/23	16/6/23	0		
Anchor Bolts and Embedded Items(CEP)											
Unit 1	South Korea	15/12/31	15/12/31	0	15/12/31	0	16/2/4	16/2/4	0	16/2/4	
Unit 2	South Korea	15/12/31	15/12/31	0	15/12/31	0	16/2/4	16/2/4	0	16/2/4	
Startup & Commissioning Spare Parts and Special Tools(CEP)											
Unit 1	South Korea	15/12/31	15/12/31	0	15/12/31	0	16/6/3	16/6/3	0		
Unit 2	South Korea	15/12/31	15/12/31	0	15/12/31	0	16/6/3	16/6/3	0		



Interface With Financing Agencies

Extensive Experience in Interface with Multiple Financing Agencies in:

- Preparation of Bid Documents in Accordance with Guidelines
- Coordination of Bidding Process
- Coordination of Reviews and Approvals of Tender Documents, Contract Documents, Amendments, etc.









Integrated Management System

Support partner organizations to establish, develop and maintain an effective IMS

Sustained development and improvement (continual improvement)

Assure, enforce and check the implementation of the IMS in accordance with ISO 19011 (auditing)

Acquire and maintain certification from the most renown organization (LRQA)

Develop, implement and maintain an effective IMS in accordance with ISO standards (system & procedures)





Integrated
Management
System(IMS)

