

**The power of  
long expertise in  
the Industrial field**



 **El-Gammal  
Group**



## About GIP

Gammal Industrial Projects (GIP) is a well-established company, employing a multidisciplinary team comprised of highly competent professional engineers, specializing in the environmental protection, innovation, engineering design, construction, commission & start up, operation & maintenance, asset integrity and process safety at variety of industries, including Cement Smelters, Mining, Petrochemical, Oil and Gas industries.

### Our mission

We optimally utilize the talents of our competent engineers, and use state-of-the-art technology to offer our clients the highest quality services that satisfy their needs (while being profitable, preserving respectful and trustful working relationships with our clients and local communities

### Our vision

Our vision serves as the framework for our Roadmap and guides every aspect of our business by identifying what to accomplish in order to continue achieving sustainable and quality growth through the following:

- Sustainable high quality services that meet and surpass the expectations of our clients is our way to success..
- Targeting a competitive gross profit rate that helps us maintain the high standards of our services for the benefits of our clients.
- Continuous assessment and improvement of our management system, competence system, technology utilization, quality control, performance monitoring, standards and procedures to remain the preferable choice of our clients- Utilizing our network resources to supply our clients with the highest quality products and services at competitive rates.
- Playing a significant role in the growth of our clients and development of the communities in which we operate.

### Our Products

GIP belongs to Gammal Industrial Group, which is one of the leading Egyptian Companies specializing in supplying automation systems, industrial technologies, electrical and mechanical process equipment and associated spare parts.

El-Gammal group is comprised of :

- El-Gammal Industrial Systems Co. (GISCO).
- El-Gammal Panels (GISPCO).
- El-Gammal Industrial Projects (GIP).
- El-Gammal Automation (GASCO)
- CMC (Cairo Manufacturing Center) , which produce dust collectors, conveying systems, metal fabrications & accessories, alongside with all other mechanical parts

#### **El Gammal Group**

Address: 101, El Shorta Buildings, New Maadi  
Autostrad Road, Cairo, Egypt  
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GIP workshop is equipped with the latest technological equipment necessary for manufacturing and fabrication. GIP's dynamic team of highly qualified experts is at your service for information and expert advice on solving your specific problems. Freshness and drive, promptness and flexibility, professionalism and responsibility are the qualities which helps us to fulfill our clients' needs. Let your requirements and goals be our yardstick!

GIP is the sole agent who can supply the products of the following brands:

- VACON (frequency converters),
- ABB,
- Siemens,
- Menzel,
- CG (motors),
- VALIADIS (motors),
- BRAIN CHILD (paperless recorders)
- DESIN (process control, instruments)
- IGEL (soft starter),
- KNICK (transmitters)
- SCANCON (encoders)
- T.T Electric (DC motors)
- Cometal Engineering Sp.A, Phoenix Italy.

## **Our Services**

- Consultancy and Tender Preparation.
- Process evaluation and suggest solutions.
- Engineering and designing, manufacturing, supplying, construction, commissioning and start-up of the following:
  - Electrostatic precipitators and bag filters material conveying systems and conversion from ESP to Bag Filters Projects.
  - Automation systems.
  - Electrostatic precipitators and dust collector equipment.
  - Bag filling machines.
  - Electrical Industrial Projects e.g. TR, HV-Panel, LV- Panel, cables and cables accessories, lightening, earthling components, etc.
- Conducting power system studies (short circuit study, load flow studies, harmonic studies and Protective Relay Coordination studies)

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## Our Partners

GIP has executed many projects in partnership with **Schnell**, which is one of the leading companies in the Egyptian market in the field of mechanical and steel structure fabrication and erection, commissioning and plants start-up.

**SCHNELL** scope of work covers the following activities:

- Mechanical and steel structure fabrication and erection
- Piping fabrication and erection works
- Insulation work
- Customized spare parts manufacturing
- General industrial plant maintenance
- Specialized plant maintenance
- Plants re-locations and upgrading
- Contracting / turnkey solution provider ability
- Transportation

Schnell gained significant experience in erection of all cement plant area (Crusher – raw mill – kiln – cement mill – packing), various filters(jet pulse filters, EP filters, conversion the EP filters to Bag filters, including all de-dusting system and accessories), conveying systems (Belt conveyor, screw conveyor, air slide conveyor, bucket elevator, including all drives and accessories), cement packing plant from A to Z, utilities (compressor rooms, water pump stations, oil storage tank fabrication / erection up to 6000 m<sup>3</sup>, pipe line network ( air – water – oil )), steel structure fabrication and erection.

The reputation of the Schnell has been proven by successful completion of major capital projects for reputable companies such as Italcementi Group, Lafarge, ASEC, Reliance Heavy Industries, Arabian Cement Co., NLSupervision, FLSmidth.

GIP has also partnered with **Thermax Ltd**, which is a reputable company to provide a range of engineering solutions to the energy and environment sectors. GIP and **Thermax Ltd have successfully delivered** many projects. Deliverables included engineering, design, supplying, erection, and services on all types of electrostatic precipitators, bag houses, heat exchangers and conversion projects, where they have built great number of equipment around the world. Under **Thermax's** leadership, GIP's qualified team is currently working on several projects and providing services alongside with **Thermax Ltd**.

## **Our Clients**

### **National Cement Co.**

We evaluated the Line 1 three Kilns and Line 2 Kiln 4 and 5 cement mills in both lines performance, regarding the conditions of the existing electrostatic precipitators ready for the conversion into bag filters and review the existing power and automation system and civil work.

### **World Bank**

We prepared the tender documentations for National Cement Co. (NCC) as an approved company under the Egyptian Abatement Projects (EPAP II)

### **Egyptian Ferro alloy Co. (EFACO)**

We performed the rehabilitation of the existing furnaces reverse air each of 340.000 Am<sup>3</sup>/h including bag replacements and adjusting, fans casing repair, new automation system with touch panels, new differential pressure gauges and bags break detection system. We designed, manufactured, installed, started-up and commissioned five bag filters of jet pulse cleaning system up to 40,000 m<sup>3</sup>/h. New control system for the existing four reverse air filters including design, manufacture, install and start up and commissioning.

### **Arabian Cement Co. Saudi Arabia**

We reviewed the performance of the existing electrostatic precipitators and reported the mitigation to adhere accordingly to the new Kingdom's emission strict regulations in collaboration with Granit Ltd.

### **Beni Suef Cement (Lafarge)**

It was an honor for us to complete rehabilitation for the Beni Suef existing main electrostatic precipitators. We manufactured and supplied all local internal parts for two ESP filters and complete casing for two ESP existing filters. Followed FLS A/T Quality Control Plan, previously approved by the owner, which will be followed for the manufacturing. We performed the erection of each filters' components (foreign & local supplies); of Inlet and outlet gas ducts; of new electrical supplies (T/R sets, control panels....etc.).By the end we complete the demolition and dismantling of all components necessary for the erection. In collaboration with Lafarge Egypt.

### **The Aluminum Co. of Egypt (EGYPTALUM)**

We upgraded five existing bag filters of sizes 13,500 m<sup>3</sup>/h and up to 46,700 m<sup>3</sup>/h for improving the performances and efficiency. Designed turnkey project for air pollution control system for paste plant. We accomplished upgrading electrical and control systems for homogeneous furnishes (6).

### **Suez Cement Group**

We upgraded and complete conversion of the DC System (motor and drive) to AC-drive system, including engineering, supply, designing, erection and start-up for the motors 1 MW and Vacon Frequency converter 1,5 MW with power and automation cabling and interfaces with the existing PLC system.

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### **Kattamya Cement Co.**

We completed overhauling of the two LURGI made main electrostatic precipitators including the manufacturing of the six roof beams, replacing of the internals (50%) of the collecting plates and discharging electrodes; repaired the ESP casing. We replaced of the suspension beams (96), rapping bars, anvils and hammers. We accomplished manufacture of gasses guide vanes and erection, maintained all the gear motors, replaced the supporting insulators and controlled the compatibility with new heaters; installed PT100 controllers and updated rapping panel; maintained HV control panel; changed thyristors and adapted wires.

### **Tourah – EPAP II Project line 8**

A complete turnkey project founded by World Bank for the conversion of the main ESP, Bypass ESP and cooler GBF into bag filters. We passed most of stages of it, such as engineering, designing, supply of the material, erection, commissioning and start-up for conversions of EB Filters to Bag Filters, including:

- MV panels and modifications in the existing MV system including Power System Study and Harmonics study
- Transformers including the civil work modifications.
- Motor Control Centers new supply and modifications in the existing MCCs
- Motors and new variable speed drives including profibus communications.
- Earthing and lightening system.
- MV Cables, control and instrumentation cables and cables accessories.
- Cable ladders and cable conduits with fixation materials and accessories.
- Lighting system and LDP
- Automation and instrumentation systems including the modifications and programming of the new and existing PLC systems.
- Power system study

We are controlling and managing all material supplies and follow the mechanical construction works by our experienced team.

### **Tourah – EPAP II Project Plant 1 & Plant 2**

We are executing turnkey project for the conversion of the existing electrostatic precipitators to bag houses for cement mills 7, 8, 12, 13. Cement mills 7&8 already done, Cement mills 12&13 under execution.

### **Helwan Cement Co.**

We completed the design, supply and erecting of the Kiln feed de-dusting system, bag filter of size: 31,000 m<sup>3</sup>/h at 3850 Pascal. We are executing turnkey project for four bag filters for 1, 3, 4 and 5 bunkers.

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## Our running projects and forthcoming projects

### Delta Steel Co.

- Turnkey Project for Rehabilitation of primary emission control system.
- Design, supply, installation and commissioning of a new secondary emission control system for two 25 tons electric arc furnaces.

### El- Menya Cement Co.

- De-dusting system for the existing cooler extracting equipment
- Conversion project for the existing electro static filters to bag house.

### Alexandria Carbon black Co.

- Turnkey Project for air pollution control system for the new plant.

### South Valley Cement Co.

- Upgrading the existing filters.

### Upper Egypt Flour Mills

- Turnkey project for three bag filters of sizes: 52,000 m<sup>3</sup>/h at 3000 Pascal, 33,500 m<sup>3</sup>/h at 2,850 Pascal and 28,000 m<sup>3</sup>/h at 2,700 Pascal.

### EZZ – Eldekhialah Co.

- Turnkey project for six bag filters of capacities: three filters 75,000 m<sup>3</sup>/h and three filters 55,000 m<sup>3</sup>/h.

### Sinai- White Cement Co.

- Upgrading of the existing ESP's to higher capacities.

## Our Team (Our invaluable asset)

GIP is an stake holding company , which is working in the mechanical, electrical and automation processes in many industries, such as cement, iron/ steel, aluminum production, fertilizers, stevedoring systems, sugar manufacture, chemicals etc.

Our employees are company's best asset. GIP has highly qualified engineers in different activities, particularly in the design works.

GIP and CMC workshop organization have the facilities to develop all our designs; they can fabricate all the local scope for the outsourced equipment as well.

Our employees are our pride in a full meaning of this word.

Position	Qualification	Years of Experience
Managing Director	Electrical Engineer	25
Group General Manager	Electrical Engineer	25
GIP General Manager	Mechanical Engineer	30
Project Manager	Electrical Engineer	25
Automation Manager	Automation Engineer	10
Senior Mechanical Engineer	Mechanical Engineer	7
Senior Electrical Engineer	Electrical Engineer	7
Site Manager	Mechanical Engineer	5
Technical office Engineer	Mechanical Engineer	3
	Electrical Engineer	3
	Automation Engineer	3
Draft man	Electro mechanic Eng.	3

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## Our clients



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## Contact us

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