



**KESSEL**



# EGIC

## Company Profile



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**Company Overview**



**Water Supply/ Drainage Solutions**



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## About EGIC

The Egyptian German Industrial Corporate - EGIC was founded in 1991 to market all types of sanitary products and related accessories. Joining Bänninger, our German partners, we introduced PP-R systems to the water supply in the Egyptian market, then expanded our entire production to produce and market all types of reliable plumbing and sanitary products.

EGIC has established top-class manufacturing facilities; including four facilities in Egypt and one in Germany, where we produce water supply and drainage solutions from numerous plastic materials and copper (polypropylene, PVC and polyethylene) under the best-known brands; Bänninger, Kessel, Practo, and Smart Home. One of those four factories is the largest copper foundry in the Middle East that manufactures the purest bronze bars, valves, and other related accessories.

By constantly adapting our products to the needs of the market, EGIC eventually became a trendsetter and a leading developer of benchmark quality in polymer and plastic products. We manufacture an economically innovative wide product range of PP-R pipes and fittings for drinkable cold & hot water as well as PP & PVC pipes and fittings for drainage, where we provide complete home solutions for different residential and industrial projects across the world.

Our applied raw material technologies optimize the material characteristics for the protection of the environment. The use of polypropylene raw materials for manufacturing ensures a socially compatible, hygienic and healthy packaging for the most precious commodity: clean drinking water.

Our promise is to not only satisfy but to also exceed our customers' expectations by offering them the highest quality products as well as a wide range of support services. Our outstanding customer relations skills ensure efficient delivery, which in return results in customer loyalty.

At EGIC we believe in teamwork, progress, honesty, open communication and a better tomorrow.

***Founded by Omar Safey El Dine***



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# 1991 Foundation

## Our Vision

Plumbing Solutions Aggregator

## Our Promise

Guaranteed Complete Home solutions with  
**Superior German Quality**

supported by top class after sales services to deliver the best  
customer care experience



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# WATER SUPPLY SOLUTIONS

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# SMART HOME PP-R

## WATER SUPPLY SOLUTIONS (GERMAN BRAND)

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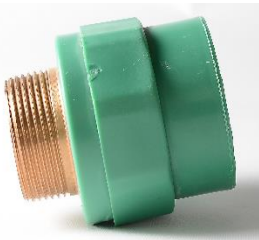
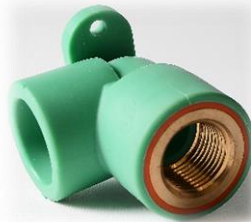


## Smart Home PP-R/ PP-RCT Water Supply Solutions

EGIC produce **Smart Home PP-R/ PP-RCT** (German Brand) with the materials PP-R and PP-RCT for drinkable hot and cold water and offer our customers a dimension bandwidth of d 20 – 160 mm.

EGIC is the only company that produce Smart Home PP-R/ PP-RCT fittings with 57% of pure bronze inserts

- **Material:** PP-R (Polypropylene- Random - Copolymerisate) with high molecular weight and high-heat stabilized
- **Pipes Nominal Pressure:** PN10, PN 16, PN20
- **Color:** Green / Black (UV resistance)
- **Diameters:** 20 mm – 160 mm
- **Pipes Length:** 4 meters straight length
- **Categories:** indoor system, outdoor system and valves
- **Areas of application:**
  - Cold and hot potable water
  - Swimming pool installation
  - Rainwater application
  - Heating systems
  - Pipelines for industrial use
  - Compressed air system



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## Smart Home PP-R Water Supply Solutions

### Our bronze threads

EGIC produces **Smart Home PP-R** fittings with 57% of pure bronze threads.

We serve countless customers with a wide range of bronze and brass alloy products especially in export as we deliver solid/hallow bars and male/female inserts for several types of insulation.



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## Smart Home PP-R for Water Supply Solutions

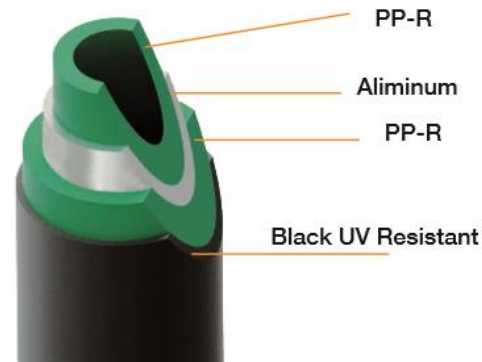
### Black UV System:-

While PP-R pipes and fittings are designed to be used indoor, we developed a complete range of Ultraviolet resistant system to be used outdoors to avoid the deformation of the piping systems due to UV rays and high temperature.

We deliver four different types of the UV coated pipes include the PP-R, PP-RCT, **Fiber pipes and Aluminum pipes**, each is consisted of well-established layers;

1. The first-outer layer is coated with a black UV-resistant material to ensure pipe long-term durability and prevent it from any expansions and deformities.
2. The second layer of PP-R or PP-RCT Polypropylene-Random-Copolymer, which is ideally integrated within the pipe structure to retain high water flow.
3. The unique third layer of absolute fiber or Aluminum provides high rigidity and stability.
4. The forth-inner layer is made of PP-R or PP-RCT where the smooth surface is in direct contact with hot and cold water

Multi-layers Aluminum pipes  
from 20 mm to 63 mm



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# Smart Home PP-R for Water Supply Solutions

## Smart Home PP-R Valves

EGIC produces a variety of plumbing valves for water supply systems to control the pressurized flow of water, including ball valve, concealed valve and Straight seated valve.



Smart Home  
Ball Valve



Smart Home  
Concealed  
Valve



Smart Home  
Straight  
seated Valve



Smart Home  
Y seated  
Valve



Smart Home  
Union with  
Tread



Smart Home  
Check Valve



Safe for  
drinkable water



Durable at high  
temperature



Simple design for  
fast installation



Adjust water  
flow

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 **PRACTO**  
PP-R Water Piping System

**PRACTO**

**WATER SUPPLY SOLUTIONS**

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## Practo for Water Supply solutions

We produce **Practo** for water supply system to serve and support major projects in Egypt and worldwide

Practo is made of the finest PP-R materials for drinkable hot and cold

**Material:** PP-R (Polypropylene-Random-Copolymerisate) with high molecular weight and high-heat stabilized

- **Pipes Nominal Pressure:** PN10, PN 16, PN20
- **Fiber black pipes and fiber green pipes**
- **Color:** Green / Black (UV resistance)
- **Diameters:** 20 mm – 110mm
- **Pipes Length:** 4 meters straight length
- **Categories:** indoor system, outdoor system, and valves
- **Areas of application:**
  - Cold and hot potable water
  - Swimming pool installation
  - Rainwater application
  - Heating systems
  - Pipelines for industrial use
  - Compressed air system

**\* Note: PRACTO Products are available in another colors**



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# Drainage Solutions

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**KESSEL**

**DRAINAGE SOLUTIONS  
P.P PUSH TO FIT**

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## Kessel Aboveground Drainage Solutions

**KESSEL** (German Brand ) push-fit drainage solutions made of polypropylene to ensure ease of assembly and installation.

**Kessel** products is to carry waste water and sewage from sinks, bathtubs, showers, toilets, and water-using appliances such as dishwashers and washing machines and deliver those wastes to the manhole. The aboveground drainage system include a special seal plugs that tightly grip the pipes when they are inserted into the fitting sockets. Pipes can be easily cut to fit any length and easily removed to be repositioned as needed without specialized tools.

- **Material:** polypropylene (P.P)
- **Color:** Grey
- **Dimensions:** 32 mm – 160mm
- **Pipes Length:** 3 meters straight length
- **Jointing:** Push-fit connection
- **Categories:** Aboveground and floor drains



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## Kessel Underground Drainage Solutions

**Kessel underground P.P** pipes and fittings are easily connected with inspection chambers and public manholes to carry sewage water. The products include four internal ribs on both sides to tolerate heavy loads up to 4 KN/m<sup>2</sup> and prevent dust from penetrating the drainage system.

**Material:** polypropylene (P.P)

**Color:** Orange

**Dimensions:** 160 -200 mm

**Pipes Length:** 3 meters straight length

**Jointing:** Push-fit connection

**Categories:** Underground.



Bend 87.5°



Bend 45°



Eccentric Reducer



Branch 45°

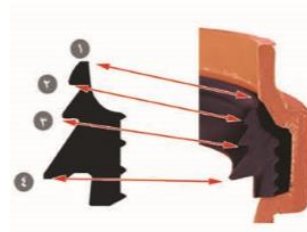


Branch 87.5°



Double Socket

rubber seal  
With 4 ribs



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# SMART HOME

## DRAINAGE SOLUTIONS – PVC

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## Smart Home for Drainage Solutions

**Smart Home** PVC is the preferred plumbing material in sewer lines because of its excellent long-term strength, higher stiffness, resistance to a broad range of chemicals, and competitive price. And due to its popularity, EGIC has the broadest range of PVC pipes, fittings and floor drains under its brand name “Smart Home”

- **Material:** Unplasticized Polyvinyl Chloride
- **Pipes Diameters:** 32mm – 250 mm.
- **Fitting Diameters:** 3/4” – 160 mm.
- **Pipes Length:** 6 meters straight length
- **Jointing:** PVC Solvent Cement
- **Color:** White
- **Installation temperature:** up to 60°

### Area of application:

- Waste water pipes inside/outside buildings and underground
- Water Management Systems
- Ducting Systems



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# Smart Home Floor Drains Indoor Solutions

**Smart Home** floor drains are designed to receive, collect and convey wastewater from bathroom, kitchen, ceiling, balcony or roof to the sewage system. One important aspect is that SH floor drains include odor trap to stop foul-smelling prevent rodent or insect by using new easily installed trap elbow sealed with O-ring before outlet, and easily removable for cleaning purposes

The drain inlet and outlet dimensions must be selected according to the type of application



Drain 8.8cm



- 3 inlets 48mm
- 1 outlet 75mm
- flow rate of 60 L/min



Drain with  
Closed Cover



- 3 inlets 48mm
- 1 outlet 60mm
- flow rate of 48 L/min



Drain with  
Open Cover



- 3 inlets 60mm
- 1 outlet 75mm
- flow rate of 60 L/min



Drain 7cm  
Flat slap



- 3 inlets 60mm
- 1 outlet 60mm
- flow rate of 48 L/min



Rain Drain with Cover



## Smart Home Outdoor Solutions

### Inspection Chamber

**Material:** Made of Polypropylene

**Cover:** Polypropylene 60\*60 cm

**Outlet:** Three inlets Ø160

One outlet Ø160

Optional extension with 2 inlets Ø110

**Flow rate:** 2500 liters/min. (2Tons)

**Load Class:** A15



### Inspection Chamber

**Material:** Made of Polypropylene

**Cover:** ABS 50\*50 cm

**Outlet:** four inlets Ø110 + one inlet Ø160

One outlet Ø160

**Flow rate:** 300 liters/min. (2Tons)

**Load Class:** A15



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## Smart Home Outdoor Solutions

### Smart Home Lifting Station

For drainage and rainwater lifting from the basements and garages, where the drainage level is below the level of the public infrastructure lines. The use of the pump is mandatory to face these emergency conditions, according to international building standards

**Size:** 60 cm x 60 cm

**Material:** Made of polypropylene –PP.

**Load Class:** Load class (A15) (tested under 1.5Tons load)



### Backwater valves

**Materials:** made of ABS Contains four rubber gaskets

**Inlet and outlet** 110 mm or 160 mm

Push-fit socketed To secure residential units on lower floors and basements against backflow of sewage into piping systems that result from blockage of main lines or flooding caused by rainwater. The use of Backwater valves is mandatory to face these emergency conditions, according to international building standards.



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## Smart Home Outdoor Solutions

### Gully Trap

**Material:** Made of Polypropylene

**Inlets and outlets:** Two inlets Ø75

One inlet Ø110

One outlet Ø110

With vertically adjustable upper section ( 18 mm )

**Flow rate:** 1.8 liters/min.

With Integral odour trap.



### Gully Trap

**Material:** Made of Polypropylene

**Inlets and outlets:** One inlet Ø110

One outlet Ø110

With vertically adjustable upper section ( 18 mm )

**Flow rate:** 1.8 liters/min.

With Integral odour trap



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## Smart Home Water Channels

**Material:** Made of Polypropylene

**Cover:** Polypropylene

**Application:** garage, swimming pools and other areas for drainage

**Dimensions:** 20cm width, 20cm depth and 1m Length.

**Outlet:** vertical outlet Ø75mm or Ø110

Lateral outlet Ø50mm or Ø110

**Flow rate:** 500 liters/min.

**Load Class:** A15 (2 Tons)



**Material:** Made of Polypropylene

**Cover:** Stainless steel 304 or Polypropylene

**Application:** garage, swimming pools and other areas for drainage

**Dimensions:** 10cm width, 10cm depth and 1m Length.

**Outlet:** vertical outlet Ø75mm or Ø110.

**Flow rate:** 150 liters/min.

**Load Class:** K3

**Color:** Black/Grey



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# Smart Home Water Supply Accessories

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## Other Valves and Accessories for Water Supply

To complete our water supply systems with superior German quality, we manufacture water supply accessories such as;



Premium Angle Valve  
 $\frac{1}{2} * \frac{1}{2}$



Washing Machine Valve



Smart Angle Valve  
 $\frac{1}{2} * \frac{1}{2}$



Pipe Clamps



### Smart Home flexible hoses and Mixers flexible hoses

- Inner diameter 8 mm
- Outer diameter 12 mm
- Temperature service up to 90°
- Stand up to 10 bar working pressure.
- Length: 30 cm, 40 cm, 50 cm, 60 cm



flexible tap connectors



Applicable for many applications



Control the flow of hot/cold water



Economical and safe way

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# EGIC Manufacturing Facilities

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## EGIC Manufacturing Facilities

### Beni Suef

- Size: 15,000 m<sup>2</sup>
- Location: Industrial Zone, East of Nile Plot No.2 ., New Bani suief
- Start Date: 2001
- Products Manufactured: PPR Fittings, valves and other related accessories
- Capacity : 2,500 tons/year PPR fittings

### October II

- Size: 43,000 m<sup>2</sup>
- Start Date: 2015
- Products Manufactured: PE Pipes for Gas (PE) + PPR Pipes (BR) + PP Pipes (Kessel)
- Capacity: 17,000 Ton

### October I

- Size: 37,000 m<sup>2</sup>
- Location: 4th industrial zone Plot no. 1/9 6th of October
- Start Date: 2007
- Products Manufactured: PVC Pipes (Smart Home) + PVC Fittings (Smart Home) + PP Fittings (Kessel)
- Capacity: 38,000 Ton

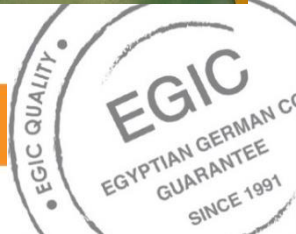
### Bronze/Brass Foundry

- Size: 2,500 m<sup>2</sup>
- Location: Industrial Zone, East of Nile Plot No.2 ., New Bani suief
- 85% of Bronze insert
- Round Solid / Hollow Bars
- Different Lengths up to 4 meters
- Sizes from 10 mm to 110 mm
- Start Date: 2014
- Capacity : 2,000 tons / year



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## Bronze/Brass Foundry Bars and Inserts

- 85% of Bronze insert
- Round Solid Bars
- Round Hollow Bars
- Different Lengths up to 4 meters
- Sizes from 10 mm to 110 mm
- Average cycle time 2.4 seconds per piece



**Ingots Furnace**



**Ingots**



**Melting Furnace**



**Bars**



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# Quality Assurance certification bodies

## Quality control

The basic objectives of quality control are to maintain quality standards in order to ensure customer satisfaction and to reduce the costs associated with the scrapping of defective goods.

## Our quality control policies includes:

- Testing and accepting incoming raw materials
- Measuring and inspecting our production equipment
- Auditing our production procedures
- Examining products during the manufacturing process to measure density, pressure, surface, dimensions, weight, marking, date of extrusion and molding.
- Inspecting final product to measure the usability of the products in their fields of application



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# Customer Service/Aftersales Support

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## Customer Service Call Center

- In house call center, reachable at 19678
- Helps our clients to receive the technical knowledge
- Request inspection



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# Projects

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# EGIC Top Projects Across Egypt

## Real Estate

- ✓ Mivida
- ✓ SODIC Projects
- ✓ Porto Projects
- ✓ Kuwadico - Grand Heights

## Hotels

- ✓ Helnan Palestine Hotel
- ✓ Novotel Hotel -Cairo Airport  
| Heliopolis
- ✓ Le Passage Hotel |  
Heliopolis

## Education

- ✓ Al Azhar University
- ✓ NAIS - Nefertari  
International School
- ✓ Gateway International  
Montessori School

## Hospitals

- ✓ Katamya Hospital
- ✓ Shatby Hospital





## Top Projects

Sodic  
projects

Cairo Opera  
House

Porto  
October

Kuwadico -  
Grand  
Heights

Nefertari  
International  
School

Engineers  
Syndicate  
Club

Al Choueifat  
Hotel

Porto New  
Cairo Mall

Katamya  
Hospital

Gateway  
International  
School

Mivida

Advanced  
Housing &  
Contracting  
Company

Al Azhar  
University

Flowers Tour

Islamic  
Research  
Complex in  
Al-Azhar

Shatby  
Hospital

Helnan  
Palestine  
Hotel

Antoniadis  
City

Solik

Marsilai

El-Ahram  
heights

Ghazala Bay

Amwaj North  
Coast

Marseilia  
Beach 4

Novotel  
Hotel -Cairo  
Airport

Le Passage  
Hotel

Old Vic Hotel

Badr Public  
Hospital

Ashgar  
Darna  
Compound

Toshiba  
Elaraby  
Factory

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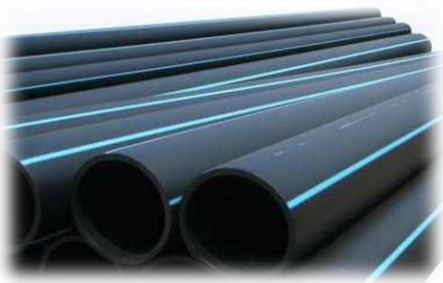
# Polyethylene (Gas and Water Transmission)

PE 80 Yellow pipes for gas transmission

PE100 Orange pipes for gas transmission

PE100 Black pipes for water transmission

✓ Sizes from 32mm to 355mm



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# Export

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## EGIC Export Markets

As a market leader in manufacturing water supply and drainage solutions, EGIC exports complete home solutions with superior German quality to the international markets with a solid reputation. We provide our agents and clients wide range of pipes, fittings, accessories, floor drains, adhesives, floor insulation, and bronze and brass bars.

Today, we export to over 40 countries across the world and participate in international exhibitions; **ISH Fair in German, Feicon Batimat in Brazil, Batimat in France, The Big 5 Show in Dubai and ...etc.**



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# International Exhibitions



07-10 February 2018  
**ISK-SODEX**  
ISTANBUL 2018  
Hall: 13, Stand: G03



MEET **EGIC** IN CZECH REPUBLIC

**FOR ARCH** | INTERNATIONAL BUILDING TRADE FAIR  
18-22 SEPTEMBER 2018  
LOCATION : PVA EXPO PRAGUE , BERANOVYCH 667,199 00 PRAHA 9  
CZECH REPUBLIC

**PVA**  
EXPO PRAGUE

**EGIC'S BOOTH DETAILS** : HALL [1] STAND NUMBER [1E27]  
WWW.FORARCH.CZ/EN  
WWW.EGIC.COM.EG  
(+202)23666500

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Participating  
in international and regional  
exhibitions

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## EGIC Export Markets

EGIC can provide different water supply and drainage solutions that can fit any export markets standards such as different colors, especial size ..etc.



### PP-R for floor heating in Europe



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# Corporate Social Responsibility

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# EGIC's Corporate Social Responsibility

## Nahdet Beni Suef Foundation (NBSF)

Established for the sake of develop rural small villages to deliver healthy community, free of poverty and able to sustain by itself.

**NDSF social and economic major projects include;**

- Water Treatment projects
- Weaving and texturing projects
- Dairy products factory
- Agricultural projects and poultry farming
- Training and Human Development
- Developing public hospitals and clinics
- Financial Aids



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# EGIC's Corporate Social Responsibility

## Egyptian Foundation for Sanitary Engineering (EPF)

Established for the sake of plumbers community

### **EPF social and economic development programs include;**

- Financial compensations: loans free of interest (school or marriage)
- Takaful Box: monthly pension for retired or disabled professionals
- Social care programs: Funding small projects for women-breadwinners
- Health care cards and medical treatment: full and partial coverage on physicians, medical analysis and x-rays
- Entertainment trips: summer trips and Umrah



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# EGIC's Corporate Social Responsibility

## Hand in Hand for Artificial Limbs

Established for the sake of supporting persons with special abilities as we believe that life means a lot and everyone deserves to practice his daily activities

Hand-in-Hand provides artificial limbs for people who cannot afford its expensive costs.

**Seeking equality of life opportunities**



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[www.egic.com.eg](http://www.egic.com.eg)

6th of October - industrial Zone no. 4

Bani sweif - industrial Zone no. 2

[export@egic.com.eg](mailto:export@egic.com.eg)

Customer service : 19678

Outside Egypt: +202 23666500

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