TURBO COMPRESSION

COMPANY PROFILE · 2026

Compression, engineered for Egypt.

Ingersoll Rand Authorized Distributor in Egypt and the MENA region. Centrifugal, screw and reciprocating compressors, air treatment and full lifecycle service, from Cairo since 2006.

SCOPE

Centrifugal · Screw · Reciprocating · Air treatment

REGION

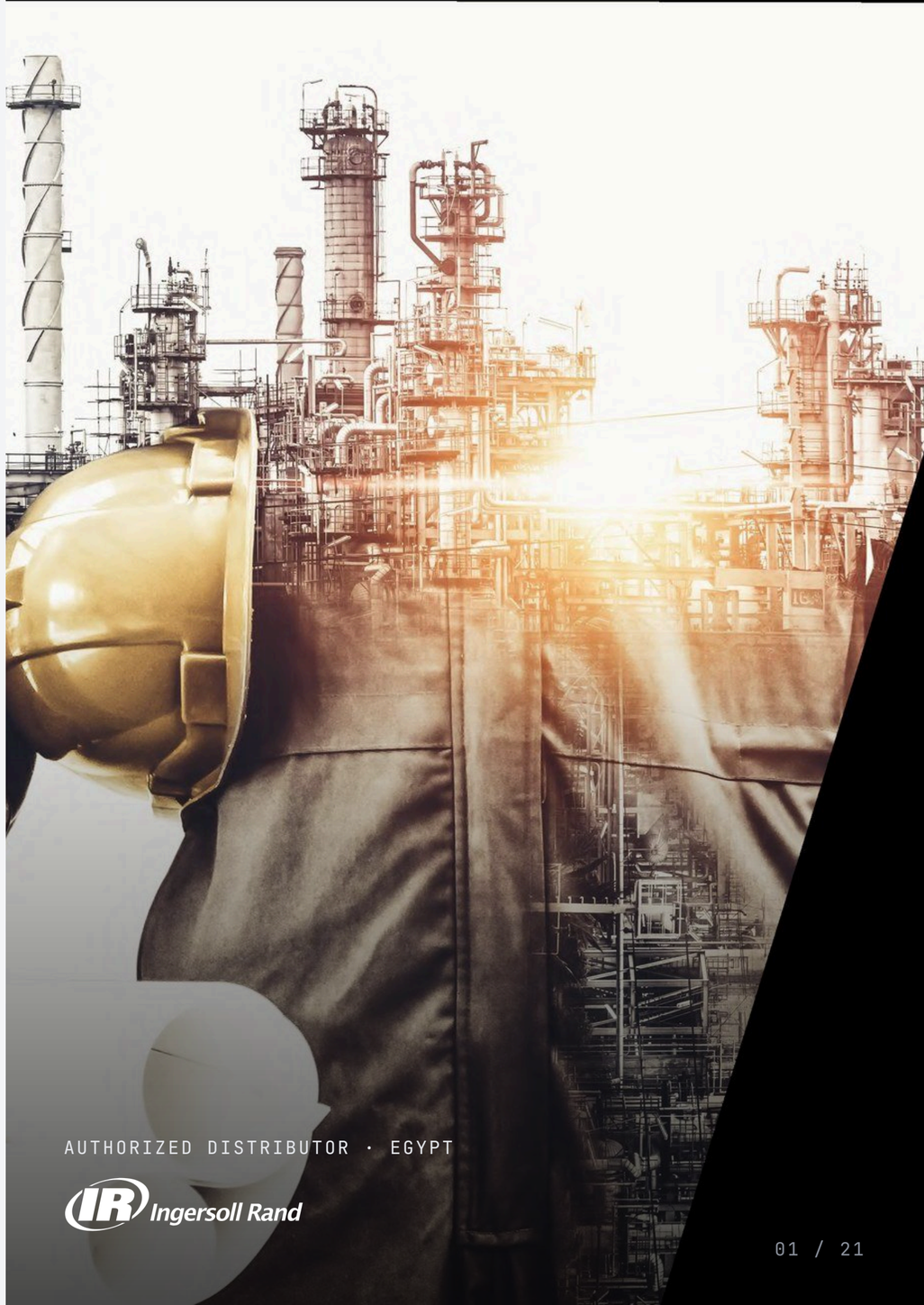
Egypt and MENA

PARTNER

Ingersoll Rand

HEADQUARTERS

Cairo, Egypt



AT A GLANCE

Two decades of compression engineering across Egyptian industry.

2006
FOUNDED IN CAIRO, EGYPT

20
YEARS OF COMPRESSION ENGINEERING

40+
INDUSTRIAL CLIENT ACCOUNTS

10+
YEARS IN THE SUEZ INDUSTRIAL ZONE

3 days
TO CLEAR A CRITICAL VIBRATION FAULT AT EPPC

PARTNER

Ingersoll Rand

Authorized distributor in Egypt since the 2015 partnership, listed on Ingersoll Rand's own distributor locator.

STANDARDS

API 617 · 618 · 619 · 672

Applied wherever they cover the equipment scope: documentation, inspection and maintenance decisions.

COVERAGE

Egypt and MENA

Cairo-based engineers serving plants from Alexandria to Suez, Sokhna and Greater Cairo.

VISION · MISSION · VALUES

MISSION

Tailored, cutting-edge compression solutions for industry.

Turbo Compression was founded in Cairo in 2006 to bring world-class compression technology to Egypt's industrial sectors, backed by certified engineers, OEM training and a regional service network.

We design, supply, install and maintain integrally geared centrifugal, screw and reciprocating compressors, covering plant air, process air and process gas across the full lifecycle.

VISION

To be the partner Egyptian industry trusts with its compressed air and gas: Ingersoll Rand engineering in the hands of local experts who show up when it matters.

VALUES

Reliable

Uptime first. We plan for the failure that has not happened yet.

Engineered

Decisions rest on data, standards and the equipment manual.

Local

Engineers in Cairo, parts in Egypt, answers in your language.

Partnership

We stay after the sale, through every overhaul cycle.

OUR JOURNEY

20 years of compression engineering.

2006

Founded as a technical service partner for Cameron Compression Systems. First TA-6000 at Egypt Aluminium Company.

2010

Expanded into iron and steel, air separation, oil and gas, and power generation.

2015

Partnership with Ingersoll Rand. MSG and PA centrifugal compressor support launched.

2020

Complex engineered solutions built to stringent international standards.

2023

Full lifecycle capability. MSG dual process compressor supplied to Gulf Gases.

Today

40+ industrial accounts, including SEMADCO, GASCO, EPPC and Suez Steel.

STRATEGIC PARTNERSHIP

INGERSOLL RAND

Turbo Compression is the Authorized Distributor for Ingersoll Rand in Egypt and the MENA region: one point of contact for Ingersoll Rand centrifugal, rotary screw and reciprocating compressor systems, with the dryers and filters around them.

- ***Certified engineers***
  Field engineers trained and certified by Ingersoll Rand.
- ***Genuine spare parts***
  Original Ingersoll Rand parts and upgrades, available locally in Egypt.
- ***Lifecycle contracts***
  Planned maintenance that protects uptime and total cost of ownership.
- ***Global back-up***
  Access to Ingersoll Rand's global technical network when a case needs it.



Ingersoll Rand

PARTNER SINCE 2015

Verify the authorization

`ingersollrand.com › Distributor locator › Egypt`

PRODUCTS AND SERVICES

Four lines covering air and gas, screw, plant air and the full lifecycle.



01

Integrally geared centrifugal

MSG · PA · PROCESS GAS

Plant air, high-pressure process air and process gas.

AIR PURITY
ISO 8573-1 Class 0

STANDARDS
API 617 / 672



02

Rotary screw and reciprocating

OIL-FREE · OIL-INJECTED · HIGH PRESSURE

Shop air, instrument air and high-pressure process duty.

SCREW
Up to 355 kW · VSD

RECIPROCATING
Up to 400 bar



03

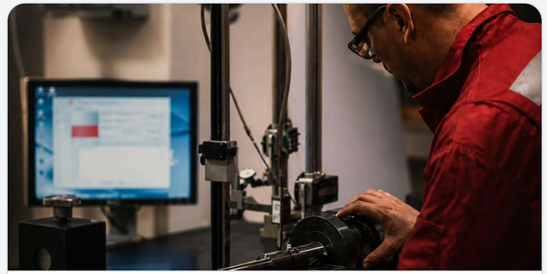
Air treatment systems

SYSTEM ACCESSORIES

Clean, dry, regulated air downstream of every compressor.

QUALITY
ISO 8573-1 staged

SCOPE
Dryers to carbon towers



04

Aftermarket solutions

LIFECYCLE SUPPORT

Commissioning, overhauls, genuine parts, audits and contracts.

PARTS
Genuine Ingersoll Rand

CONTRACTS
Annual maintenance

PRODUCT LINE 01 · INTEGRALLY GEARED CENTRIFUGAL

Oil-free centrifugal air for plant and process.

MSG® TURBO-AIR® and standard TURBO-AIR® centrifugal compressors deliver performance and design flexibility for plant air, high-pressure process air and process gas applications.





AIR PURITY

Class 0

ISO 8573-1 oil-free air

STANDARDS

API 617 / 672

Process and instrument air

MODELS

MSG · PA · TA

TA-6000, TA3000, TA2020 in Egypt

EFFICIENCY

Full · part · no load

Lower lifecycle cost

REFERENCES IN EGYPT

2006	**Egypt Aluminium Company** First TA-6000
2019-2020	**Prometeon** TA3000 control upgrade and overhaul
2022-2023	**Birla Carbon Black** TA2020 Maestro upgrade
2023	**Gulf Gases** MSG dual process compressor supplied

PRODUCT LINES 02 — 03

Where centrifugal isn't the answer, we have two more.



02 · ROTARY SCREW

Rotary screw compressors

Oil-free and oil-injected screw packages from Ingersoll Rand for shop air, instrument air and energy-sensitive duty cycles.

POWER
Up to 355 kW

DRIVE
Fixed speed · VSD

USE
Plant and instrument air



03 · RECIPROCATING

Reciprocating compressors

Supplied in cooperation with Ingersoll Rand where centrifugal physics no longer apply: high pressure and process gas.

PRESSURE
Up to 400 bar

STANDARD
API 618

FIELD
Oil and gas, all sectors

PRODUCT LINE 04 · AIR TREATMENT AND SYSTEM ACCESSORIES

Clean, dry, regulated air, designed as one system.

01 · INTAKE
Inlet filter
→
02 · COMPRESS
Compressor
→
03 · COOL
Aftercooler
→
04 · DRY
Air dryer
→
05 · STORE
Air receiver

Refrigerated dryers

General industrial duty, typically +3 °C pressure dew point (ISO 8573-1 Class 4).

Desiccant dryers

Heatless and heated regenerative, −40 °C (Class 2) to −70 °C (Class 1) pressure dew point.

Filtration products

Coalescing, particulate and carbon stages matched to the required air quality class.

Air receivers and drain valves

Correctly sized storage and condensate management that does not waste air.

Flow and system controllers

Stable pressure and coordinated control of multiple compressors.

Nitrogen and oxygen generators · carbon tower

Integrated with the compressor system where the process needs them.

AFTERMARKET AND LIFECYCLE

The compressor is the start, not the deal.

We stay with each client from planning through end of life: commissioning, overhaul, spare parts and long-term maintenance contracts.

01

Installation and commissioning

Site survey, alignment, start-up and operator training, as delivered at South Helwan Power Plant.

02

Overhaul and repair

Major and minor overhauls: impellers, bearings and seals. Suez Steel, 2024.

03

Genuine spare parts

Original Ingersoll Rand components and critical-spares planning before every outage.

04

Planned maintenance

Preventive programs and annual maintenance contracts aligned to operating hours and duty.

05

Technical audits

Performance, vibration and air-system reviews with clear, prioritized next steps.

06

Controller upgrades

Obsolete controls replaced with Ingersoll Rand Maestro Universal Controllers.

INSPECTION AND DIAGNOSTICS

We find the cause before we replace the part.

01

Vibration analysis

Measurement and trend interpretation on high-speed rotating equipment.

02

Performance audits

Air-system efficiency studies against design duty.

03

Leakage and pressure surveys

Finding the losses that raise energy cost.

04

Oil and filtration review

Lubrication, filtration and cooling condition checks.

05

Control diagnostics

Controller faults, trips and obsolete systems.

06

Root-cause investigation

Failure mechanism first, then the corrective work.

07

Alignment and start-up checks

Commissioning discipline on every return to service.

08

Shutdown scoping

Inspection findings turned into an overhaul scope and parts list.

IN PRACTICE

EPPC, 2016: a critical vibration fault diagnosed and eliminated within three days, with an Ingersoll Rand USA specialist working alongside our engineers. No recurrence reported.

PROJECTS · POWER GENERATION

Keeping power plants on line.



SUEZ GOVERNORATE · 2013 · 2018 · 2025

East Delta Electricity · Sokhna power plant

EQUIPMENT	4 × Ingersoll Rand instrument-air compressors (2 in service, 2 standby)
CHALLENGE	Two units failed in 2018 and again in 2025, putting the whole plant at risk of a blackout.
OUR WORK	Supported the 2013 sale and commissioning; emergency mobilisation, root-cause investigation and corrective work.
RESULT	Both compressors restored in record time, blackout averted, response formally recognised by the client.



GREATER CAIRO · ONGOING

South Helwan Power Plant

EQUIPMENT	Newly installed plant compressors
CHALLENGE	New compressors had to perform reliably from day one.
OUR WORK	Full commissioning, structured operator training and active warranty support.
RESULT	Reliable operation, a trained first-line team and a long-term service partnership.

PROJECTS · PETROCHEMICALS AND MANUFACTURING

Fast diagnosis, lasting fixes.



PETROCHEMICALS · 2016

EPPC

A serious vibration issue threatened safe operation. Within three days we brought in an Ingersoll Rand USA specialist and eliminated the fault, with no recurrence.



AMREYA, ALEXANDRIA · 2019–2020

Prometeon (Pirelli Group)

An obsolete controller kept stopping a TA3000. A budget estimate, then a firm quote, a Maestro upgrade and a 2020 overhaul brought it back, followed by ongoing maintenance consultation.



INDUSTRIAL ZONE · 2022–2023

Birla Carbon Black

Having seen the Prometeon result, the neighbouring plant asked for the same Maestro upgrade on its TA2020. Won entirely by word of mouth.

PROJECTS · STEEL AND INDUSTRIAL GASES

More than a decade in the Suez Industrial Zone.

2014 — ***SEMADCO***
Total power blackout linked to a compressor failure: diagnosis and recovery.

2015 — ***Air Liquide***
Emergency support to return production to service.

2023 — ***Gulf Gases***
MSG dual process compressor supplied.

2024 — ***Suez Steel***
Comprehensive compressor overhaul to recover efficiency lost over years of operation.

ALL THREE SUEZ FACILITIES WERE RETURNED TO OPERATION.





INDUSTRIES SERVED

Wherever Egyptian industry needs clean, reliable air.

01

Oil and gas

UPSTREAM · MIDSTREAM

02

Petrochemical

ETHYLENE · METHANOL

03

Fertilizers

UREA · AMMONIA

04

Cement and steel

HEAVY INDUSTRY

05

Pharma and food

OIL-FREE CLASS 0

06

Power generation

INSTRUMENT AIR · BOP

07

Air separation

ASU · INDUSTRIAL GASES

08

Textile and PET

SPINNING · BOTTLING

09

Automotive

ASSEMBLY · PAINT SHOP

10

Metallurgical

SMELTING · FOUNDRIES

11

General manufacturing

PNEUMATIC TOOLS · PACKAGING

12

Electronics

SEMICONDUCTORS · CLEANROOMS

13

Mining

MATERIAL
HANDLING · VENTILATION

14

Chemicals

PROCESS AIR · BLENDING

15

Glass

MOLDING · FORMING

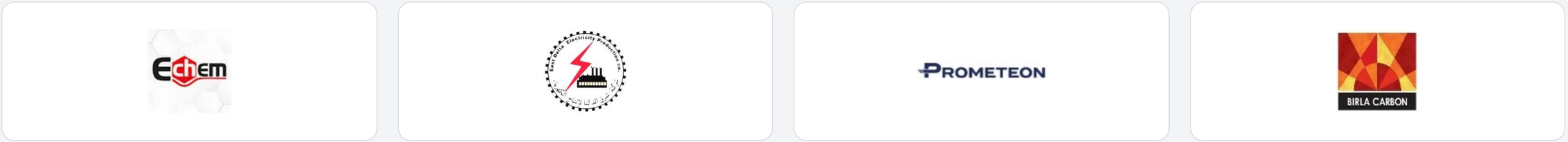
CLIENTS AND INDUSTRIES

Trusted by 40+ industrial accounts.

SELECTED CLIENTS

Suez Steel **SEMADCO** **GASCO** **EPPC** **East Delta Electricity** **South Helwan Power Plant**

Prometeon **Birla Carbon Black** **Air Liquide** **Gulf Gases** **Egypt Aluminium Company**



> *Birla Carbon Black came to us by word of mouth after our work at the neighbouring Prometeon plant.*

OUR PEOPLE

Engineers you will meet on site.

- ***Trained by Ingersoll Rand***
  Our field engineers are trained and certified by Ingersoll Rand.
- ***Based in Cairo***
  A field team that reaches Suez, Sokhna, Alexandria and Upper Egypt.
- ***Teachers as well as fixers***
  We train client operators to handle first-line response, as at South Helwan.
- ***Connected to a global network***
  When a case needs more, we bring in Ingersoll Rand specialists, as at EPPC.



SOUTH HELWAN POWER PLANT



PROMETEON, ALEXANDRIA



SOKHNA POWER PLANT



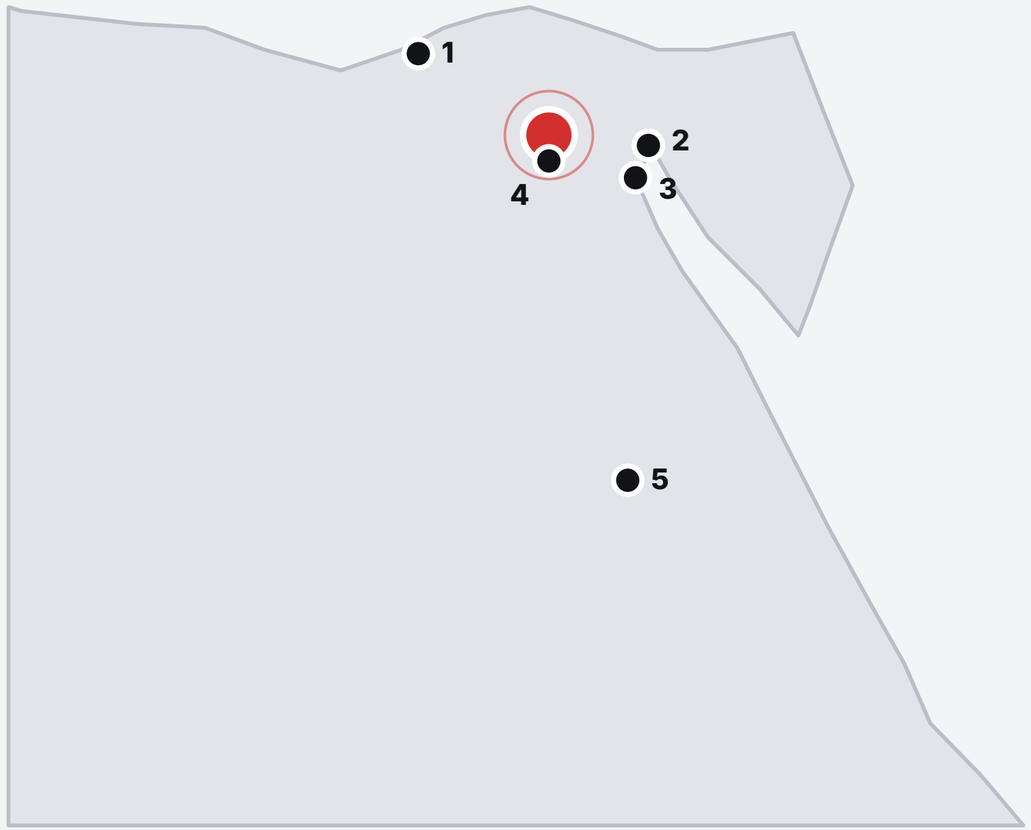
SUEZ INDUSTRIAL ZONE

COVERAGE

From Cairo to every industrial zone.

Headquartered in Cairo, our engineers have delivered work from the Mediterranean coast to Upper Egypt, with coverage across the MENA region.

●	***Cairo · Headquarters***	
1	***Alexandria · Amreya***	Prometeon
2	***Suez Industrial Zone***	Suez Steel · SEMADCO · Air Liquide
3	***Sokhna***	East Delta Electricity
4	***Greater Cairo · South Helwan***	South Helwan Power Plant
5	***Nag Hammadi***	Egypt Aluminium Company



SCHEMATIC MAP

HOW WE ENGAGE

Five steps from first conversation to long-term partnership.

01

Discover

Site survey, application study, load and pressure mapping.

02

Specify

Compressor sizing, package design and API selection.

03

Supply

Genuine Ingersoll Rand equipment, logistics and delivery to site.

04

Commission

Install, align, test and train operators on site.

05

Sustain

Service contracts, parts, audits and overhaul cycles.

WHY TURBO COMPRESSION

Global-grade engineering, local accountability.

> *The real cost of a compressor is not the price tag. It is everything that happens after you buy it. We are here for that part.*

	LOW-COST ALTERNATIVES	TURBO COMPRESSION
Spare parts	— Availability uncertain	**Genuine Ingersoll Rand, in Egypt**
Engineers	— Remote or generalist	**Trained and certified by Ingersoll Rand**
Track record	— Few local references	**20 years · 40+ industrial accounts**
After the sale	— Supply and leave	**Commissioning to overhaul, one partner**

01 ***Authorized Ingersoll Rand distributor***
Verifiable on Ingersoll Rand's own distributor locator.

02 ***20 years of field engineering***
Commissioning, overhauls and emergency recovery since 2006.

03 ***Full lifecycle ownership***
From planning to overhaul, one accountable partner.

04 ***Lower total cost of ownership***
Sizing, audits and efficiency before, during and after the sale.

TURBO
COMPRESSION

CONTACT

Let's talk compression.

Planning a new compressor, an overhaul or a technical audit? Talk to our engineering team in Cairo.

SCAN TO CONTACT THE TEAM

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WEB	www.turbocompression.com
PARTNERSHIP	Ingersoll Rand · Authorized distributor

IR Ingersoll Rand