



LOW VOLTAGE & MEDIUM VOLTAGE SWITCHGEAR

Supply your world with precision and care.



A CERTIFIED & WELL-EQUIPPED FACTORY

ARC Technologies stands out as one of the premier switchboard manufacturers in Egypt, recognized for its expertise and significant presence in the industry. The company operates a world-class manufacturing facility located in Abu Rawash, Giza, which is equipped with cutting-edge machinery, tools, and equipment. This state-of-the-art plant enables ARC Technologies to maintain rigorous quality control standards, adhering to global best practices in both manufacturing and quality assurance.

The facility's advanced systems and technologies ensure the consistent production of high-quality switchboards, catering to diverse customer needs while upholding the company's commitment to customer satisfaction. ARC Technologies provides a comprehensive range of electrical panels, covering various applications and industries. The company has established a robust footprint across Egypt, with an extensive installed base through successful collaborations with key power consultants and utilities. Its long-standing partnerships with major power utilities and EPC (Engineering, Procurement, and Construction) contractors further reinforce its reputation as a trusted and reliable supplier in the electrical infrastructure sector.



ARC is an

- 1 ABB Authorized Panel Builder for Type Tested Panels
- 2 Approved Vendor by the Egyptian Electricity Holding Company & the National Organization for Potable Water & Sanitary Drainage
- 3 Value added partner for ABB Ability Energy Management System
- 4 Value added partner for Services with ABB, with a strong and trained team capable of performing onsite and off-site trouble shooting and retrofitting of all LV & MV equipment and making available the needed parts
- 5 Capability to produce local panels as per customer needs & customization



DESIGN & ENGINEERING

ARC Technologies has a skilled team of engineers dedicated to product upgrades and technology adoption. Their experienced design and engineering team utilizes advanced software to meet customer needs, from sheet metal to panel assembly. With focused teams in tendering, design, product development, production, and quality control, ARC Technologies drives innovation and excellence, making it a formidable presence in the industry.



QUALITY CONTROL

ARC Technologies abides by international standards and policies in all its operations, aiming to provide high-quality sustainable products through effective services. The company has established a quality management system according to DIN EN ISO 9001:2015 for the design and manufacturing of low voltage switchgear cabinets, industrial control, UPS, and home automation systems. Its fully equipped panel board assembly workshop, approved by ABB, is authorized for the design and assembly of low voltage switchboards and undergoes routine machinery tests to ensure the highest standards of function and safety. Quality is integrated at all stages of the company's activities and is conveyed to personnel using a continuous improvement approach, ensuring adherence to ISO 9001:2015 Standards.



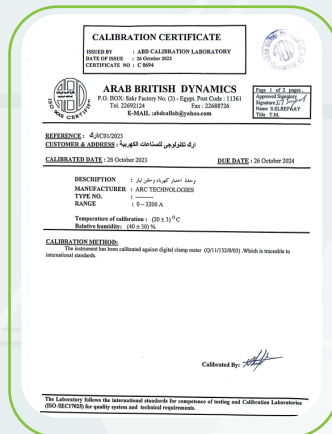
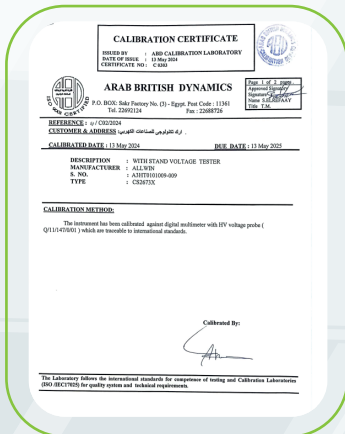
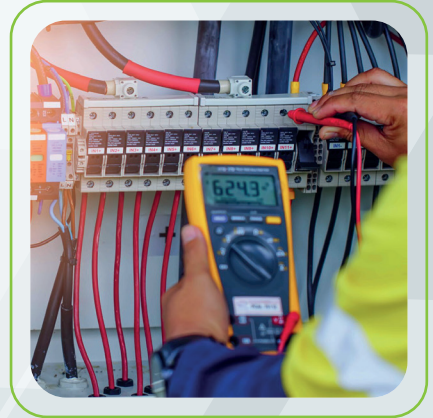
► At ARC Technologies we ensure

- We ensure the highest quality for all our panels through a rigorous quality control process.
- Our skilled engineers and technicians use advanced testing equipment and top-grade components to guarantee performance and safety.
- We ensure that every panel meets or exceeds client expectations, delivering reliable and efficient electrical solutions.
- Well-calibrated testing equipment with the latest technologies for switchgear testing.
- Routine tests are conducted as per IEC standards.
- We maintain compliance with local regulations and quality in all stages.



► Our Quality Stages are

- 1 Inspection for all raw incoming material.
- 2 Verification for delivering production between stages.
- 3 Verification in punching, shearing, bending and welding.
- 4 Verification in painting zone by coating device.
- 5 All stage subject to the (in progress) Quality by check list.
- 6 All production validation and verification by calibrated devices.



Routine Tests as per IEC and local utility

- Physical / visual inspection
- Mechanical functional tests
- Torque test
- Insulation or Megger Test Before HV
- Die-Electric (HV) Test
- Insulation or Megger Test After HV
- Electrical Functional Test

Special Test

- Primary Injection Test
- Secondary Injection Test
- Functional Test of Relays
- Function operation voltage testing

Offerings

A. MAIN DISTRIBUTION BOARDS

Main distribution boards are designed with a modular concept that allows multiple combinations and customized construction possibilities, suitable for every application.

System PRO-E : Up to 6300 A Type Tested

IS2 : Up to 1600A ABB Enclosure

Local Enclosures : Up to 6300A Inhouse IEC standards



B. SUB – MAIN DISTRIBUTION BOARDS

Sub Main Distribution Boards (SMDBs) distribute power from the main board to various circuits. They ensure safe, efficient power management and protection across different zones.

ABB Enclosure

SR Basic

Unikit

Local Enclosures



C. LIGHTING AND FINAL DISTRIBUTION BOARDS

Lighting and Distribution Boards manage and distribute power to lighting circuits and small power outlets. They provide protection and control for electrical loads in residential and commercial settings.

Protecta

Minicenter

PRIMO

Local Enclosures



D. CONTROL PANELS

Control panels house and manage electrical components for automated systems. They control and monitor machinery or processes, ensuring efficient and safe operation.

IS2

SR Basic

Local Enclosures



E. Motor control centers

Motor control centers provide high performance solutions for all your motor control needs. They are designed to meet any type of power need, providing clients with an advantage in a highly competitive environment.

F. Special Applications

1. Automatic Transfer switches

Automatic transfer switches bridge the gap between loss of utility and standby power. With top standards of reliability, robustness, versatility and compactness, all ATS are tested to ensure transfer of power from the utility to the generator and back again.

2. Synchronization Panels

Synchronization panels are fabricated by ARC Technologies' engineers using premium quality electrical components to ensure increased reliability, expandability, flexibility, serviceability, and cost effectiveness. They resolve the cost problems and single-source issues that allow users to procure the benefits of parallel power generation.

► Other Applications include :



- 1 Stainless Steel Panels (F&B, Pharmaceuticals,..etc)
- 2 Power factor correction Panels
- 3 Enclosed Drives
- 4 Feeder Pillars
- 5 Fuse Panels
- 6 Control Desk and Mimic Panels
- 7 Intelligent Boards with BMS / Energy Management interface
- 8 Meter Boards

OUR REFERENCE LIST

The number of our customers keep adding every day and month and we take pride from the satisfaction of our customers. The list is long but here is a sample of prominent projects that we have successfully fulfilled.

Industry

Egypt Foods Group

was established in 1999 “started in 2000 under the brand name “Kalbaz” is a limited liability company. It is one of the premier Snack manufacturing companies, and its manufacturing expanded exponentially and eventually to include confectionary and chips products. Expanding its Production capacity through building a massive industrial complex in Sadat city, has invited ARC Technologies to supply all the Electrical panels of the project with an integration of ABB Ability Energy Management systems.



Azza Fahmy factory (6th of October)

The famous Jewelry manufacturer through its main contractor has chosen ARC Technologies for its factory in 6th of October, to ensure reliability image and protection.

Commercial Malls

LAKE VIEW PLAZA

in the Fifth Settlement El Hazek Construction Company has implemented its distinctive project, Lake View Plaza Mall offers commercial, administrative and medical units as well. It extends over an area of more than 90,000 square meters, combining recreational activities, international brand stores, and a food court.

Lake View Plaza Mall is designed to have a ground floor, a high ground floor, in addition to two floors. In 2024 ARC Technologies has completed the design, manufacturing and supply of all the panels in the project.

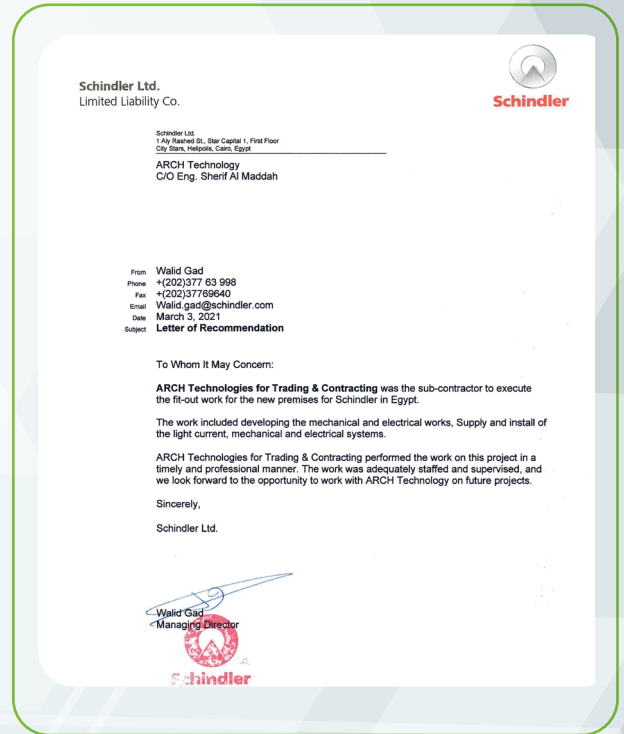


Office Buildings

Schindler Ltd. Egypt new Headquarter is a part of the Schindler Group, the largest supplier of escalators and one of the largest manufacturers of elevators worldwide. As part of a complete EPC contract ARC Technologies has supplied all the electrical panels of the new headquarter of the company.



Schindler



Health care

Alfa Scan Administration building (6th of October)

The famous chain, through its main contractor has chosen ARC Technologies for its headquarter to ensure reliability image and protection.



Utilities

ARC Technologies has contributed significantly to the utilities segment by supplying numerous low voltage panels. Some of our recent clients include major utilities, showcasing our commitment to delivering reliable and high-quality solutions.



ONE STOP SHOPPING FOR ALL YOUR ELECTRICAL NEEDS

Priding us with your Electrical panels business gives us the pleasure of having the opportunity to demonstrate our commitment to serve you throughout your journey and experience and does not stop with the panels leaving our factory. We can offer more as a company with multiple divisions:



1 Panels Installation services

2 Maintenance contracts

3 On site trouble shooting

4 Easy access to parts though our distribution network or our help desk contact number 01206667999 for all other needs.

5 IOT and deployment of Energy management before the panels leave the factory or later at site

6 Future upgrades

7 EPC services through our Projects Department






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