In Greece and Cyprus, ABB SA engages in the entire spectrum of activities of the international Group: sales of equipment, construction of medium and low voltage switchgears of high quality, study and implementation of projects, after-sales services.

ABB’s presence in Greece makes a substantial contribution to the technological evolution of the country, helping customers to use electrical power effectively and to increase industrial productivity in a sustainable way.

The company employs about 300 people in Athens, Skaramagkas, Thessaloniki and Limassol. The company’s activities are certificated according to the international ISO:9001 standard.

ABB occupies a leading position in the Greek market and has a significant impact on the economy by engaging in top-level projects with a high added value.

In Greece, ABB is able to offer:

The largest infrastructure in the country for the design and implementation of electrotechnical projects for energy, industry and building facilities. Its staff has the finest technical expertise and excellent technical equipment.

A strong, well organized Project Management Team with great experience in highly complex energy and automation projects to the highest technical demands and specifications. ABB completes turnkey electrical energy and automation projects in power plants.

A dynamic sales network that provides electrical equipment for industry and buildings, as well as air-conditioning/ventilation equipment. The department of trading and warehousing guarantees immediate response to the demand for electrical equipment for the industry and the building complexes.
In addition:
A modern plant assembling medium, low voltage, automation and control system switchgears. This unit assembles standard ABB Group switchgears under the Group’s license in full compliance to the worldwide ABB quality standards. The switchgears produced are designed to meet the highest safety, functionality and availability requirements. These switchgears are intended mainly for use in energy production, distribution and transmission, in all sorts of industry (e.g. oil refineries, cement factories, steelworks, mines, etc.), and in highly important infrastructure facilities (hospitals, airports, natural gas stations, etc.).

Excellently trained and equipped teams to service (diagnose, repair, improve, upgrade, etc.) electrical substations, transformers, switchgears, measuring and protection systems, automation systems and power electronics (UPS, frequency converters, etc.).

Service stations for turbochargers, in Greece and Cyprus, used not only in shipping industry, but also for any medium and high power diesel motors. The turbocharger service station in Greece - one of the most important in the world - coordinates immediate repairs of turbochargers and supplies spare parts for the Greek ships at any of the largest ports in the world where ABB is present.

Technical expertise and appropriate infrastructure for the technical management of large building complexes, with the objective of saving energy and improving their operation.

Projects in Greece
The valuable technical expertise and experience of ABB in Greece is reflected in the major projects it has carried out in various sectors of the country’s economy. The high ratio of local added value and technological superiority are common features of these projects. ABB has been involved in many turnkey large-scale power projects. From as early as the 1920s, the ASEA and BBC companies, which in 1988 merged to form ABB, participated in important, highly demanding projects in Greece. ABB holds a leading position in sales of electrical equipment for industrial, energy and building applications in Greece.

The following list gives a picture of some major projects carried out by ABB in Greece

Power Corporations and Public Utility Services

Public Power Corporation (PPC SA) – All over Greece
- Thermal power plants at Chania, Linoperamata, Keratsini, Lavrio, Florina, Komotini, Amynde, Paros, Kos, Mykonos and Rhodes
- Equipment for H.V. Substations 400 kV/150 kV
- Engineering, supply and installation on LSTK basis of Distribution Centers, GIS 150 kV/M.V.
- Transmission substations AIS 150 kV/M.V.
- Medium voltage switchgears for distribution centers and urban substations
- Electrical distribution systems on thermal (combined cycle, gas turbines, Diesel) and hydro power plants, along with I & C systems of power generation processes
- Control motion systems for lignite driven belt conveyors (Megalopolis, Ptolemaida, Amyndeo, etc.)
- Digital protection and control systems for high
03 Power distribution center GIS 150/20 kV, Vrilissia

04 Steam power plant at Meti, Florina

voltage substations
- Supply of step-up power transformers 500 MVA, 400 kV for power generation stations
- Surge arresters for 400 kV, 150 kV, 20 kV networks
- 150 kV capacitor banks with synchronized capacitor switching
- Power factor correction 20 kV capacitor banks

Thermal Power and Hydropower Stations GR IPP’s HERON Thermoilektiri
- 3x50 MW gas turbines power plant, Thebes
- c/w 150/20 kV GIS grid connection substation, medium and low voltage switchgears, protection and SCADA systems

Hydropower Station, Smokovo
- Medium and low voltage switchgears, protection, automation and control systems type (800xA), c/w fully remote operation of the station from HES Plastira

LNG Terminal – Revythousa
- Power distribution systems, medium and low voltage switchgears, automation, protection and SCADA systems

Water & Sewage Utility of Athens – Psytallia
- Medium and low voltage switchgears

Renewable Energy Sources Wind Parks
In various locations across Greece
- High voltage substations for the connection of wind parks with the 150 kV grid
- Compact substations, medium voltage switchgears, automation and SCADA systems, power distribution networks

Infrastructure Projects Athens International Airport (El.Venizelos)
- Medium and low voltage substations, uninterrupted power supply systems and power generating units

OSE (Hellenic Railway Organization)
Electrification of 500 km Piraeus-Athens-Thessaloniki railway
- 10 traction substations (150/25 kV, 2x15 MVA), 25 kV switchgear for 60 railway stations and sectioning points of contact line
- Power supply, control and remote operation system at SKA, maintenance services

Attiko Metro SA
- Distribution transformers, medium and low voltage switchgears and spare parts, support systems for station lighting

Attiki Odos SA (Athens Orbital Motorway)
- Medium voltage substations

Egnatia Odos SA (EW National Motorway)
- Supply of medium voltage and low voltage switchgears, inverters for Metsovo tunneled section
- Supply of medium voltage switchgear, UniGear ZS1 for Grevena tunneled section

PPA (Piraeus Port Authority SA)
- Electrical equipment and commissioning of 8 cranes RMG

Piraeus and Thessaloniki Ports
- Installation of container cranes

Olympic Games «Athens 2004» - Athens and other cities
- Transformers, medium voltage switchgears, protection and SCADA systems, uninterrupted power supply systems, wiring accessories material and electrical equipment

Industries HELLENIC PETROLEUM
- Aspropyrgos site: medium and low voltage switchgears, automation and SCADA systems, Elefsina site: medium and low voltage switchgears and 400 kV cable at Thessaloniki for grid connection of T-POWER
05 Step-up grid connection substation, Koronia-Viotia

06 Zephyros-Garbis wind parks MV Power System & Optical Communication networks

MOTOR OIL
- Supply of 13/15 MVA, 20/6.3 kV transformers, medium voltage switchgears, gas emission analyzing and monitoring systems, GIS 150/20 kV substation, protection and SCADA systems

LAFARGE CEMENT
Plants at Volos, Milaki, Chalkida
- Frequency converter systems and medium voltage motors 0.8 MW and 2 MVA, power transformers, modernization of automation systems, medium and low voltage switchgears, gas emissions analyzing and monitoring systems

TITAN SA, CEMENT
Plant at Thessaloniki
- Frequency converter systems and medium voltage motors 1 MW and 2.15 MW, remote operation system, automation and SCADA systems, gas emissions analyzing and monitoring systems, low voltage switchgears

Plant at Kamari
- Supply of 400 V MNS low voltage switchgears, current supply bus 400 V

Plant at Patra
- Supply of medium and low voltage switchgears, power transformers, drives

SIDENOR SA
Plant at Thessaloniki
- Frequency converter systems, 1 and 2.3 MW motors

LARCO SA
- Supply, installation, testing and commissioning of 150/15.75 kV, 60/90 MVA power transformers, continuous maintenance of electrical parts

HELENIC HALYVOURGIA
- Gas emission analyzing and monitoring systems
Aluminium of Greece
- Complete reconstruction of transformers

Hotels
Costa Navarino - Messinia
- Transformers, medium voltage switchgear, SCADA system

Hellas Holiday Hotels - Crete
- Medium voltage and automation switchgears, distribution transformer

Vedema Resort - Santorini
Kaningos 21 Hotel - Athens
- Supply and installation of air-conditioning systems

Buildings-Hospitals
DESMIE SA - Athens
Embassy of Cyprus - Athens
IASO Thessalia - Larissa
Interbalkan Medical Center - Thessaloniki
- Supply and installation of air-conditioning systems

Papastratos S.A-Aspropyrgos
(Group: Philip Morris SA)
- Supply of 2000 kVA and 1250 kVA distribution transformers

Institution of Research and Technology of Crete
- Supply and installation of uninterrupted power systems (UPS)