



**Aytemiz**  
**MAKELSAN®** | **POWER**  
**FOR LIFE**  
Uninterruptible Power Supplies/Generator

[www.makelsan.com.tr](http://www.makelsan.com.tr)



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POWER  
FORLIFE

## COMMITMENT TO POWER QUALITY AND INNOVATION

GG

AT AYTEMIZ-MAKELSAN, WE ARE COMMITTED TO PROVIDE COMPLETE ENERGY SOLUTIONS THAT GUARANTEE POWER QUALITY FOR ALL CRITICAL APPLICATIONS.

THE FIRST CLASS MANUFACTURING FACILITY HEADQUARTERED IN ISTANBUL, WHERE EUROPE AND ASIA MEET, IS ONE OF THE FASTEST-GROWING METROPOLITAN ECONOMIES IN THE WORLD, WE ARE PROUD TO KEEP INVESTING IN TECHNOLOGY AND PRODUCTION AND WE PROVIDE HIGH QUALITY WITH FAST DELIVERY TO OUR WORLDWIDE CLIENTS.

gg



## A SPECIALIST IN POWER ELECTRONIC

### Complete Energy Solutions Provider

LEADING MANUFACTURER OF UNINTERRUPTIBLE POWER SUPPLIES SINCE 1976

Aytemiz-Makelsan was founded in 1976 with the aim of designing electrical power systems. Today Aytemiz-Makelsan is a leading European brand which manufactures a wide range of high technology uninterruptible power supplies and power quality products from 650VA up to 8MVA.

Headquartered in Istanbul, Turkey, Aytemiz-Makelsan combines R&D, manufacturing, global sales and aftersale service processes with more than 300 qualified professionals in a fully modernized 25.000 sqm factory equipped with state-of-art machinery.

Aytemiz-Makelsan product range varies from Static & Dynamic Uninterruptible Power Supplies, Servo & Static Voltage Regulators to Renewable Energy Products, DC Power Supply, Telecom Equipments, Battery Chargers, Inverters and Datacenter Solutions.

With more than 25 area sales and service offices, 300 resellers in Turkey, over 100 global distributors worldwide and over 45 years experience in design, manufacturing and distribution in the power supply industry, Aytemiz-Makelsan is committed to provide complete energy solutions that guarantee power quality for all kinds of critical applications.



#### *Istanbul Headquarter & Factory* **Largest Uninterruptible Power Supply Production Facility**

Aytemiz-Makelsan products are manufactured in Istanbul factory which is the largest UPS production facility of the region and all production process is monitored and developed according to ISO 9001 Quality Control System.



Headquarter Office



# KEY FIGURES



45

years in the power industry



80

countries across the 6 continents



25.000

sqm production facility



10%

of turnover invested in R&D



300

certified support engineers through global service network



5000

units of 3 phase UPS per year



## Advanced Manufacturing

- 45 years experience in power electronic
- More than 300 employees, first-class manufacturing facilities equipped with state of art machinery and skilled staff.
- 5000 units of 3 phase ups production per year.
- Family owned, sole proprietor company allows to have full control of decisions on the processes.

## Innovation & Flexibility

- Committed to develop leading technologies to make sure the customers get innovative and efficient products.
- Continuous investment in R&D (10% of turnover).
- Flexibility of customizing solutions, which makes the product easy to adapt to the customer requirements.

## Global Sales & Distribution Network

- Export to more than 80 countries across the 6 continents.
- 4 subsidiaries in Europe.
- More than 100 global distributors.
- Over 300 certified support engineers and technicians from our global service network are available to make sure that you have the help you need for your power requirements.

## International Standards

All Aytemiz-Makelsan UPS sytems complies with EU directives concerning performance, safety, radio frequency emissions, electromagnetic compatibility (EMC), voltage peaks, over voltage and static charges. EN 62040-1:2008.





R&D Test Laboratory

Factory Production Plant

## OUR VALUES

### Innovation and Continuous Improvement

#### WORLD-CLASS R&D TO DEVELOP LEADING TECHNOLOGIES

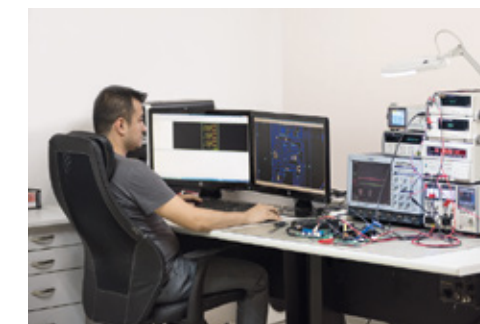
Thanks to its world-class research and development center,

Aytemiz-Makelsan constantly innovates its product portfolio and ensure the customer's benefit through development and improvement of leading technologies.

Aytemiz-Makelsan R&D is committed to meet global standards for technology and focuses on designing products that:

- Secures high quality power supply for any critical application.
- Are environment-friendly.
- Ensure comfort and customer satisfaction.
- Are affordable and comply with standards of the future.

GG INNOVATION, QUALITY AND  
ECO-FRIENDLY PRODUCTS ARE THE  
FOUNDATION OF OUR BUSINESS  
APPROACH GG



#### R&D Center

#### Designers of Award Winning Power Protection Products

R&D Center in Istanbul is equipped with advance laboratories with sophisticated measuring equipments and real load test rooms.

Aytemiz-Makelsan R&D was awarded the "Innovation" prize by Turkish Electronics Industry Association (TESİD) in 2014, 2015, 2016 and 2017.





## ADVANCED MANUFACTURING

Aytemiz-Makelsan keeps investing in production system and improves productivity through the constant control of all processes and development of new technologies in order to achieve its commitment to provide complete energy solutions that guarantee power quality for all kinds of critical applications.



### PCB Assembly Facility

Aytemiz-Makelsan is equipped with the latest model SMD (Surface Mount Devices) placement machines which are capable of placing a wide variety of parts. SMT components are placed directly on the surface of a PCB instead of being soldered to a wire lead.



### Heat Sink Manufacturing Facility

Aytemiz-Makelsan's in-house CNC/VMC machining facility can produce the heat sink profiles to specifically fit its needs to lower the temperature of the electronic devices by dissipating heat into the surrounding air.



### Transformer Manufacturing Facility

Aytemiz-Makelsan designs and manufactures all kinds of choke coil transformers and wide range of single phase and three phase isolation transformers in house. Low Voltage and High Voltage windings are designed with Copper and Aluminium conductors.

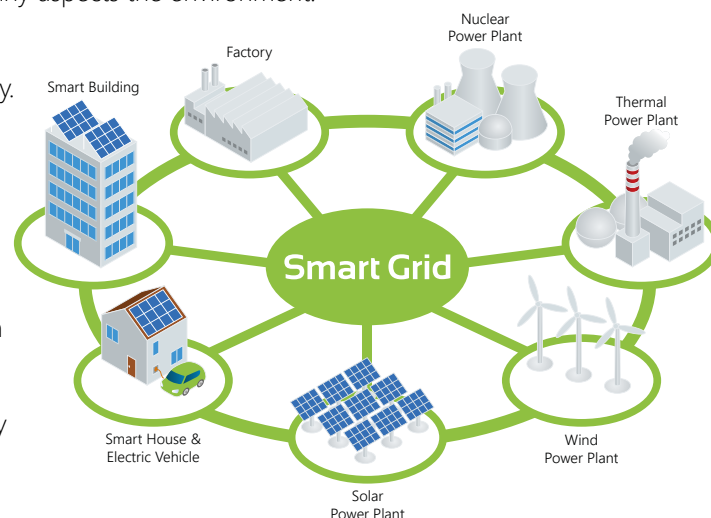
## Environment Friendly Solutions

### SMART GRID READY UPS SYSTEMS

Aytemiz-Makelsan carries out a policy of protection of its employees, the environment, natural resources, fauna and flora in all of its business activities and operations. The environmental management system that Aytemiz-Makelsan applies, is ISO14001 certified.

Aytemiz-Makelsan focuses on R&D efforts that impact in many aspects the environment:

- Developing new technologies for clean and renewable energy.
- Reducing energy consumption by highest possible operation efficiencies ensuring.
- Better performances than EU Code of Conduct on Energy Efficiency.
- Compatible UPS systems with today's Smart Grids which is an electricity distribution system that uses digital technology to eliminate waste, improve reliability and optimizes efficiency of the electric grid.



## Quality

### INTERNATIONAL STANDARDS

Aytemiz-Makelsan is committed to produce excellent products which are fully compliant with international standards and provide best level of service in both pre-sales and after sales periods to achieve highest level of customer satisfaction.

Aytemiz-Makelsan is proud to have achieved the very highest of international standards in Quality Management, Environment Management in Occupational Health & Safety, Production, Local Compliances and continues to implement these practices for the benefit of employees, customers, suppliers and communities the company operate in.

### MANAGEMENT SYSTEMS



### INTERNATIONAL PRODUCT CERTIFICATES



### LOCAL APPLIANCE



### ENVIRONMENT





# FOR LIFE

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#### HEADQUARTER & FACTORY

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