

To the future with Trust Since 1990.



you are definitely safe



*We Look at the
Future Securely...*

you are definitely safe

since 1990...

Company Profile

EDS ELEKTRONİK Destek Sanayi ve Ticaret Ltd. Şti. was founded in February 1990 to provide production and engineering services to companies in the field of electronics. Later, EDS added CCTV Systems, Control Systems, Fire Detection Systems, Access Control Systems, Environmental Safety Systems, Automation Systems, Environmental Monitoring Systems, and Power Electronics products to its activity fields. In these activity fields, it is engaged in R&D, Production, Import, Export, Distribution, Sales, Marketing, After-Sales Services and Service Stations. Having developed various projects, EDS entered into security industry in 1991 and started working as Aselsan Anatolian Side Subcontractor. It provided security services to more than 1000 banks, jewelry stores, and exchange offices.

EDS manufactured its first alarm panel in 1992. Within the same year, it started to produce the control panels used in the central alarm system of Aselsan. Also in the same year, it started export and distributorship activities.

As a 100% domestic company, EDS export to more than 35 countries with a history of 26 years, nearly 60 personnel, nearly 10 engineering staff, and a modern production facility established on an area of 5000 m2. Transforming the experience it obtained into investment and innovation, EDS is the leader manufacturer in Turkey. It provides solutions in the fields of CCTV, fire detection, alarm, access control, environmental monitoring, and power sources with more than 70 employees. EDS possesses many patents other than its own brand.

EDS has a wide product range that is owned by any manufacturers other than the major ones. Our products are used in the industry and included in many projects. It includes many impressive and economical solutions from small-scale enterprises to large-scale enterprises like banks, airports, military, defense industry, private institutions/enterprises, telecommunication, transportation, medical, etc.



Our Mission

A secure life is the greatest, irreplaceable need for humans. Our company produces in national and international standards or providing with quality and economically alarms, fire detection, security cameras, hazardous and toxic gas detection, direct current power sources, and environmental monitoring systems, and other products everybody needs for a safe life and satisfies our people's requirements together with its solution partners.

Our Vision

It is to become a technology-producing structure in fire detection and security sector both in Turkey and throughout the world and to be an innovative, rational, and leading company.



1990

EDS was founded in February 1990 to provide production and engineering services to companies in the field of electronics.

1992

Our first intrusion alarm panel was manufactured for Aselsan

The first plastic siren with exclusive loudspeaker in Turkey was manufactured.

1993 1994 1996

Developed for hospitals, first encrypted door lock for areas requiring privacy was manufactured.

1997 1998 1999

SD630; first domestic phone caller is best seller and still up to date.

Turkey's first plastic indoor siren's mass production was begin.

2000

In 2000, free zone company Destek was established for re-export operations.

2004

EDS moved to own production plant in Sancaktepe, Istanbul.

2006

SMD and Soldering machine was procured, lead-free mass production started.

2009

With ERP project, all work processes are more efficiently managed thus customer satisfaction was maximized.



Milestones of our Success...



2010

Famous sculptorer Reyhan Çezik, design fire panels for EDS and it was manufactured in our plants.



2011

2012

In the position of Internet of things new product series called Esense launched.

2013

Optical fire detectors received EN 54 approval.



2014

Our gas detector received TS EN50194-1 approval

2015

Within the scope of work safety, special audible warning product was designed.



2016

Heat detector, Fire button, internal and external sirens received EN 54 approval.

'Our products exported to more than 35 countries'



EDS'S PRODUCTION FACILITIES



PRODUCTION

EDS has experienced production staff consisting of engineers, technicians, and operators.

SURFACE MOUNTING FACILITY

EDS has experienced production staff consisting of engineers, technicians, and operators.



3D PRINTER



SOLDERING MACHINE



PCB ASSEMBLY FACILITY

We have two wave soldering machines, one of which is a lead-free soldering machine. EDS carries out RoHS "lead-free" electronic card production, which has been put into operation in European Union states. EDS Elektronik production department carries out production in sensitive areas of EDS.

In electronic card setting department, any and all electronic circuits composed of SMD components can be set in world standards with high-technology automatic setting machines that can make 15,000-component settings per hour.

EDS'S PRODUCTION FACILITIES



ASSEMBLY LINES

There are four mechanical assembly lines designed to carry out different works at the same time. We carry out production on order as well the products manufactured under EDS brand.



QUALITY CONTROL

All quality control works are carried out by specialist staff quality technological contract devices.



TECHNICAL SERVICE

EDS provides in-house technical support services.



R&D

With our developed R&D technological substructure, we also make customized designs via studiously conducted tests and measurements.

EDS'S TEST PROCESSES



TESTS



- Voltage Measurement Practices
- Vibration Test
- Acoustic Test
- Temperature Test



WIND TUNNEL

We have a wind tunnel in which all the tests within the scope of TS EN 54-7 can be conducted.



NON-LEAKAGE TEST

We conduct non-leakage tests as per IP standards.



AIR-CONDITIONING CHAMBER

We have an air-conditioning cabin at the temperature range of -70°C and +180°C and humidity range of 10%-90%. The products, whose assembly is completed, are subjected to aging tests as per the standards and customer demand.

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EDS'S SOCIAL SPACES



EDUCATION HALL



CONFERENCE HALL



SOCIAL AREAS

EDS'S SOLUTIONS TO MAKE DIFFERENCE.....



LED INDICATOR
Double LED indicator providing 360 degree view

OPTICAL CELL
Cleanable optical cell

OPTICAL SMOKE DETECTOR



- Double LED indicator providing 360-degree view
- Optical detection feature
- Experience-of-Line
- Thyristor Output, Locked Reset
- Cleanable Optical Cell
- LPCB, EN 54-7 approved

OUTDOOR SIREN



- BSI EN 54-3
- 100-120dB
- Piezo buzzer
- Red LED flasher
- ABS plastic
- Surface Mount
- IP 33C Protection

INDOOR SIREN



- BSI EN 54-3
- 85-100dB
- Piezo buzzer
- LED indicator
- Surface Mount
- IP21C Protection

MANUAL CALL POINT



- 470-ohm alarm resistance
- 30VDC
- Compatible with any and all alarm panels
- Approved by BSI EN 54-11

RESET
Indicates that the button is pressed

YELLOW INDICATOR
Restores the button to its normal position

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EDS'S HIGH STANDARDS

QUALITY CERTIFICATES AND DOCUMENTS



ISO 9001
 EN 54-7 LPCB
 EN 54-5 Bsi
 EN 54-11 Bsi
 İGDAŞ

UTILITY MODEL

Fire Button

INDUSTRIAL DESIGN

Outdoor siren
 Gas/Humidity/CO
 Dedector

TRADEMARK REGISTRATIONS



Eds
 Unitech
 IPX
 alarm & alarm
 İzle gör
 Kameramatik
 Esense
 İsense
 İnose
 İburun
 Destekcin

OUR PRODUCTS / ALARM / SECURITY SYSTEMS

INDOOR SIRENS

- High sound power
- LED indicator
- Tamper switch for sabotage



OUTDOOR SIRENS

- Option to customise wide range of outdoor sirens
- High sound power
- Piezo buzzer / Speaker option
- Triangle LED / LED Flasher
- Tamper
- Running LED display (stand-by positions)
- Audio options
- With/Without back-up battery (6V/280mAH NiCd)
- Inner accumulator cabin
- Lens Cover Color Options: Red/ Blue/ Orange
- Wide range of cover color selection



OPTICAL SMOKE DEDECTOR

- Dual LED display with 360 degree view
- Optical sensing feature
- Cleanable optical cell
- End of line resistor
- Relay output and Auto reset
- Mounting lock
- Interior, compatible with all alarm panels



HEAT DETECTOR

- 60 degrees and above alarm feature
- Double LED indicator with 360 degree view
- End of line resistor
- Relay output and Auto reset
- Installation lock Indoor
- Compatible with all alarm panes



OUR PRODUCTS / ALARM / SECURITY SYSTEMS

NATURAL GAS DETECTOR

- Natural gas and LPG gas detection
- Relay output
- 50 meter detection distance
- LED indicator
- 85dB audio output
- 5 years sensor life
- IPX2D Protection class
- TS EN 50194-1 and İGDAŞ approved



WINDOW TYPE BARRIER

- Consists of receiver and transmitter mode
- Includes 4 IR beams
- Distance between barrier 6m
- Barrier length 50cm
- LED indicator
- Not affected by intense light and electric shocks
- Used in places that requires door, window and protection access

CARBON MONOXIDE DETECTOR

- 4-level alarm output
- LED display
- 50m protection area
- 85dB audio output
- 5 years sensor life
- End of life warning
- Can be connected to safety and gas stations



BUZZER

- It is desinged to announce recorded voice message in places require warning, information, greeting, urgent call
- 20 seconds voice message recording and announcement with loud voice
- You can send the desired message via the built-in microphone or recording from the voice input
- Reading the recorded message with triggering relay outputs of the panel
- All purpose usage



HUMIDITY DETECTORS

- Compatible with under carpet and surface mount sensors
- Supports 4 sensors
- Test button
- Warning LED
- Built-in buzzer
- Interior



ANCILLARY PRODUCTS

- Encrypted Door Lock (Privacy required, to block unauthorized entries)
- Control Unit (remote opening and closing operations up to 30m)
- Line control circuit (checks connected telephone line)
- Foot Button (At the moment of sabotage, with pressing foot button the alarm is delivered)
- Audio Unit (Provides audio recording)

MAXIMUM SENSING

CONVENTIONAL SOLUTIONS

HIGH QUALITY

OUR PRODUCTS / FIRE DETECTION SYSTEMS

OPTICAL SMOKE DETECTORS

- 360° Double LED indicator
- Optical detection
- 5 pin
- Mounting Lock
- End of line resistor
- Automatic reset
- Cleanable optical cell
- Indoor usage
- Cover color is white
- Protective cover
- ABS Plastic
- Dimensions(W×D×H): 109x50mm
- Weight: 110g, 12VDC
- EN 54-7 LPCB
- Compatible with all conventional intrusion
- Optional: Remote LED connection
- Detector Base: used with ECDB base



HEAT DETECTORS

- 360° Double LED indicator
- 5 pin
- End of line resistor
- Locked reset
- Mounting Lock
- Cover color is white
- Protective cover
- 20-30VDC
- Standard EN54-5:2000+A1:2002
- Compatible with all conventional fire alarm panels
- Optional: Remote LED connection
- Detector Base: used with ECDB base



MANUAL CALL POINT

- For conventional systems
- Manual Call Point
- Red
- EN 54-11 approved



INDOOR SIREN

- EN 54-3 Approved
- 85-100dB
- 3 LED's indicator
- Red
- 24VDC



OUTDOOR SIREN

- EN 54-3 Approved
- 100-120dB
- Piezo buzzer
- Red LED flasher
- 24VDC



FIRE PANELS

- 4/8/12/16 regional
- LCD display
- 20 detectors per region
- Connect fire alarm button
- Front panel on its own
- Buzzer
- Encrypted control



EASY
INSTALLATION

EN 54
APPROVED

HIGH
QUALITY

you are definitely safe

OUR PRODUCTS / POWER SUPPLIES

50-300 W
SWITCHED
POWER
SUPPLY

- Switch Mode
- Input voltage range: 150VAC-264VAC (43-63Hz)
- Used to charge the power supply / battery
- Card / box type option
- 3 different models: 50-120W / 120-150W / 150-300W
- Short circuit, overcurrent protection



SMPS

- Switched-mode power supplies
- 220VAC-24VDC, 220VAC-12VDC adapters
- Maintenance-free battery rectifier sets
- Battery-powered power supplies
- Battery, power distribution unit

ADAPTER

- 90-264 VAC Input range
- 47-63Hz, 0-40C operating temperature
- 5VDC - 56VDC Output range
- Output power between 2.5W and 120W
- Wall type, desktop type C8-C14
- USB type, Replaceable socket
- FCC, EN55022, EN61000



DC-DC
CONVERTERS

- Switch Mode
- Various input and output voltage options
- Alternatives up to 1000W
- Card / box type option
- Short circuit, overcurrent protection
- Low ripple



POE
ADAPTER

- IEEE802.3af (15.4W/port)
- IEEE802.3at PoE Plus (30W port)
- Ultra PoE (60-80W/port)
- Mega PoE (95W/port)
- cUL/UL, IEC/EN, CE, LPS
- Gigabit data rate



MAINTENANCE
FREE BATTERY
REDRESSOR SETS

- Linear uninterruptible power supply
- Three different models EBR12 / EBR24
- Maintenance-free battery
- Battery charges / Feeds the connected load
- Charge control to extend battery life
- High efficiency, noiseless operation

LED DRIVER

- Constant Current
- Constant Voltage
- Light intensity adjustable
- Indoor and outdoor LED drivers





ENVIRONMENTAL MONITORING SOLUTIONS

Control and view the data
from your reliable
sensors...

E

sense environmental monitoring systems and sensors are designed to use in medical, pharmaceutical, industrial and high-tech products.

Esense appliance is designed to detect water spills, high temperatures, humidity and electricity before any damage is detected.

It controls harmful effects by controlling temperature, humidity, voltage, sound and pressure. Measured temperature, humidity, sound level and pressure values are delivered to main server 7/24, wired and wireless.

Applications



OUR PRODUCTS / ENVIRONMENTAL MONITORING

Wireless Module
EMS-100WL

- Data through the ethernet connection
- Four wireless sensors connection
- 5VDC
- 10/100 Mbps ethernet port, R232
- 2*16 LCD screen
- Piezo buzzer
- 433.99Mhz operating frequency
- Max. 150m sensor communication range
- Gfsk modulation type

GSM Module
EMS-100GSM

- Data through the GPRS network
- Four wireless and one wired sensor connection
- 5VDC
- RTC-battery
- 2*16 LCD screen
- Piezo buzzer
- 850/900/1800/1900Mhz
- Max. 150m wireless sensor communication range
- Max. 20m wired sensor communication range
- Gfsk modulation type

Wired Module
EMS-100L

- Data through the ethernet connection
- Four wired sensors connection
- 5VDC
- 10/100 Mbps ethernet port, R232
- 2*16 LCD screen
- Piezo buzzer
- Max. 20m sensor communication range

Noise Sensor
EGS

- Transmits the sound level to the server
- External indoor use
- Cleanable optical cell
- 30-130 dB measuring range
- 1.5 dB
- 31.5 Hz 8000Hz frequency range
- Piezoelectric buzzer 68 dB - 1m
- 30 m Maximum network distance
- Sound mapping function upon request





ENVIRONMENTAL MONITORING SOLUTIONS

Temperature Sensors Wired / Wireless ES-100 & ES-100T

- Connected to wired/wireless module
- Waterproof
- -20°C ~ / +45°C Operating temperature
- $\pm 0.3^\circ\text{C}$ precision
- Max. 150m wireless communication range (ES-100T)
- Max. 20m wired communication range (ES-100)
- 433.99Mhz operating frequency (ES-100)
- 2AA battery type (ES-100)

Humidity Sensors Wired / Wireless ENS-100 & ENS-100T

- Connected to wired/wireless module
- Waterproof
- %0-100 rH humidity range
- $\pm 1.8\text{rH}$ precision
- Max. 150m wireless communication range (ENS-100T)
- Max. 20m wired communication range (ENS-100)
- 433.99Mhz operating frequency (ENS-100)
- 2AA battery type (ENS-100)



Pressure Sensors Wired / Wireless EB-100 & EB-100T

- Connected to wired/wireless module
- Waterproof
- 20-110kPa pressure range
- ± 0.3 precision
- Max. 150m wireless communication range (EB-100T)
- Max. 20m wired communication range (EB-100)
- 433.99Mhz operating frequency (EB-100)
- 2AA battery type (EB-100)

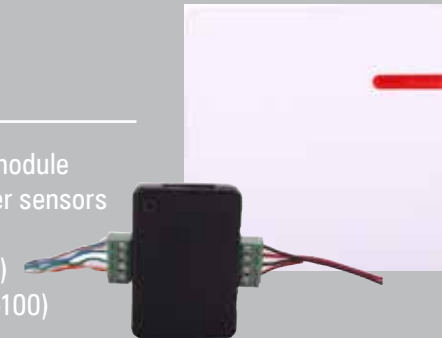
Voltage & Frequency Sensor EVF-100

- Connected to wired/wireless module
- 120-300V AC phase measuring
- Frequency 10-500 Hz
- 0-20 V AC ground measuring range
- 0.5V Voltage measuring precision.
- 0.5Hz Frequency measuring precision.
- Max. 20m wired communication range



Digital and Analog Access Module EIO-100 & EMAS-100

- Connected to wired/wireless module
- Delivers the data from the other sensors
- 4 input channel
- 0.001mA precision (EMAS-100)
- 4-20 mA analog signal (EMAS-100)
- NO/NC switch (EIO-100)
- Max. 20m wired communication range (EIO-100)
- Compatible with OD-912, HD 212, CD310, GZD-01



DEFENSE INDUSTRY

Since EDS Electronics was established, in our defence industry prioritising Aselsan, EDS is innovative and pioneering company with supporting design, manufacturing, project sub-contractor and material procurement. The power units that we designed are still in use by Aselsan for our defense industry.

- The world's leading power modules Manufacturer Vicor Turkey distributor, High quality, high efficiency and high power density



- AC / DC, DC / DC and input / output



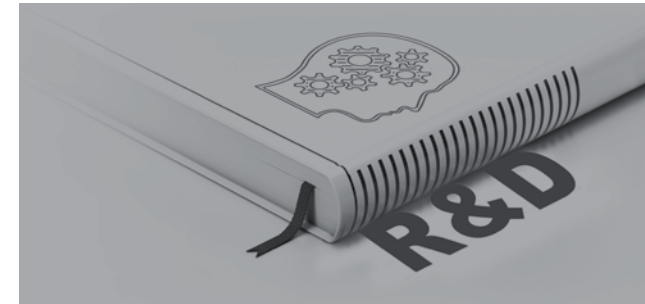
- Optional power solutions with years of experience
- Manufactured products in military standards (MIL-STD)





R&D PROJECTS

THERE IS A SIGNATURE OF A
POWERFUL TEAM!



Having engaged in production since 1990, EDS carries out custom production as per the customer demands as well as mass production. It provides customer-specific solutions with its experienced personnel.

TECHNOLOGICAL
PRODUCTS

RESULT
ORIENTED

PROJECT
FOCUSED
SOLUTIONS

you are definitely safe

Sales and Marketing



Technical Support / Service



Import / Export



R&D / Production / Special Production



OUR SERVICES...

TECHNOLOGICAL
PRODUCTS

RESULT
ORIENTED

PROJECT
FOCUSED
SOLUTIONS

EDS WORLDWIDE...



you are definitely safe

PARTNER / DISTRIBUTION BRANDS



alarm&alarm: Alarm System

Aleph: Magnetic Contact

CQR: Magnetic Contact

EDS: CCTV Systems / Alarm Systems /
Fire Detection Systems / Power Supplies

EL: Wireless Alarm Systems

Flir: CCTV Systems

IPX: IP CCTV Systems

Kilsen: Fire Detection Systems

Klaxon: Fire Alarms Sirens

Paxton: Access Control Systems

Phihong: Power Supplies

Picor: Power Supplies

NetworX: Alarm Systems

Samsung: CCTV Systems

Solo: Test Spray

Supra: Key Solutions

Texecom: Alarm Systems

Unitech: CCTV Systems

Vicor: Power Supplies

*We Look at the
Future Securely.....*



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eds

Protection Technologies

EDS Elektronik Destek Sanayi ve Ticaret Ltd.

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