

## Introduction and Facilities:

**3Z Elektrik** has a tradition of switching technologies over many years and offers varieties of specializations in Medium Voltage Metal Enclosed Cubicle & Metal-Clad Switchgear equipment's such as MV Vacuum Circuit Breaker SF6 Gas Circuit Breaker, SF6 Gas Load Break Switch, SF6 Gas Disconnector etc. and is committed to supply electrical energy to our living and industry.



Due to the belief of technology and progress, **3Z Elektrik** invests on the state-of-art-technologies. **3Z Elektrik** is introducing products which incorporate new technologies with technological know-how, which have been accumulated over the long time, and trust of the market, and to focus on gaining international trust through aggressive overseas markets.

Experience over 10  
years

Technology

Innovation



## PRODUCTION CAPACITIES

- 50 pcs substation/month
- 100 pcs AIS Medium Voltage Switchgear/month
- 300 pcs Circuit Breakers /month
- 500 pcs Load Break Switch/month
- 500 pcs Disconnector/month

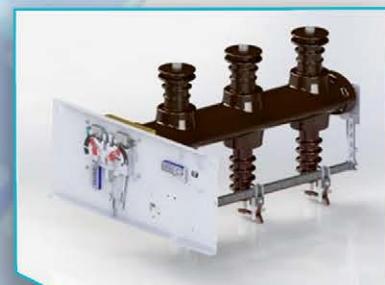
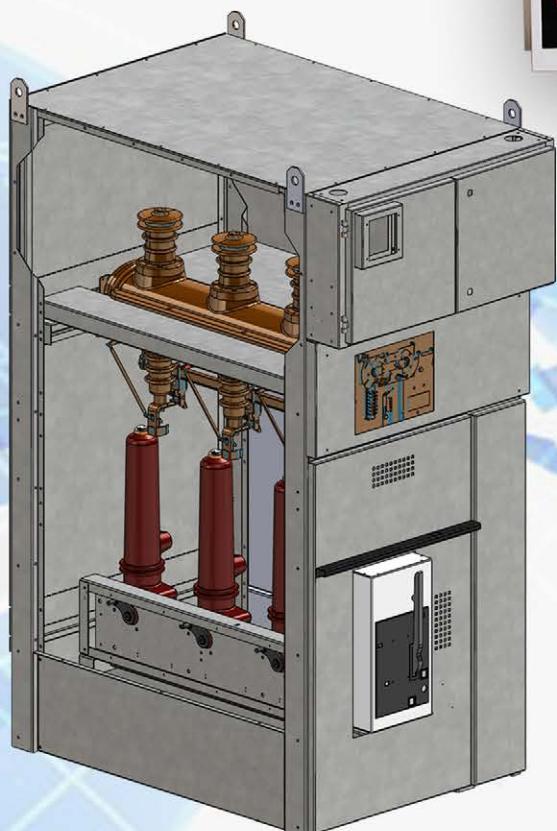
## PRODUCTS



VACUUM CIRCUIT BREAKER



SF6 GAS CIRCUIT BREAKER



SF6 GAS DISCONNECTOR



SF6 GAS LOAD BREAK SWITCH



## TECHNOLOGIES

Mv & Lv Switchgear  
Mv & Lv Substation

SF6 Gas Circuit Breaker

Vacuum circuit Breaker

SF6 Gas Circuit Breaker  
and load Breaker Switch

## Exporting Market:

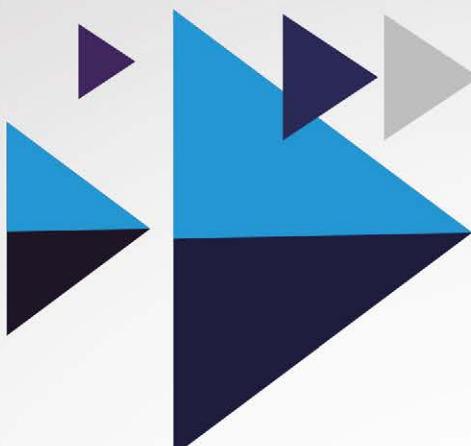
- Middle East countries
- East Asian countries
- North African countries
- Central Asian countries
- Arab countries of the Persian Gulf

## SOFTWARES



AUTODESK  
AUTOCAD  
2014





Metal Sheet Substation 11/24/36 kV



Prefabricated Concrete Substation 11/24/36 kV



## □ Prefabricated Concrete Substation:



Operation Voltage (Maximum)	36 kV
Transformer Capability (Maximum)	1600 kVA
Insulation level	70 / 170 kV
Resistance to short circuit (OG/AG)	16 kA / 38 kA
Internal Arc class	AB
Frequency	50 / 60 Hz
Protection class	IP23D
Case class	10
Concrete class	C35 / 45

## Advantages & Specifications of Prefabricated Concrete Substation:

- ❖ Are designed for electric facilities, they are produced accordingly to meet the international standards and requirements. Internal arc resistance proven by type testing and personnel safety provided by protection classifications. - Assembled in factory environment and tested hardware with internal earthing system.
- ❖ Standardized and high quality electrical equipment durable to weather conditions. -Easy installation process. -Portability with endless option of colors and surface coating in order to match the surroundings.

## □ Metal Sheet Substation:



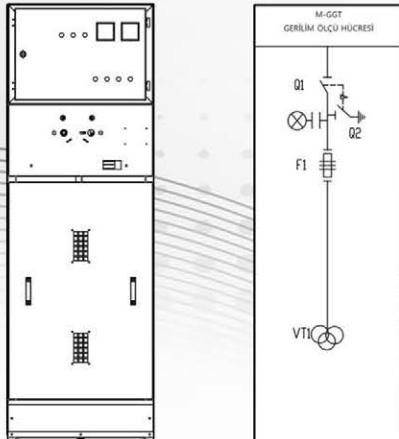
TECHNICAL FEATURES	
Minimal Voltage	11-35 kV
Maximum Power (KVA)	2500 KVA
Dimensions (meters)	2-40 m
Protection Class	IP65
Coating	Elektrostatik

## Advantages & Specifications of Metal Sheet Substation:

- Series sheet kiosks are transformer and distribution centers fabricated from galvanized and electrostatic powder coated sheets in order to meet the needs of all kinds of application areas. Electric sheet kiosks (transformer station) which are usable in every climate condition supplies the mid -low voltage (OG/AG) and supply station needs for electric supply companies and private projects.

## Vaccum/Sf6 Gas Circuit Breaker unit:

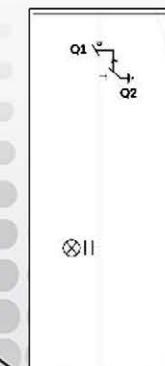
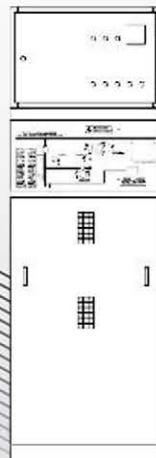
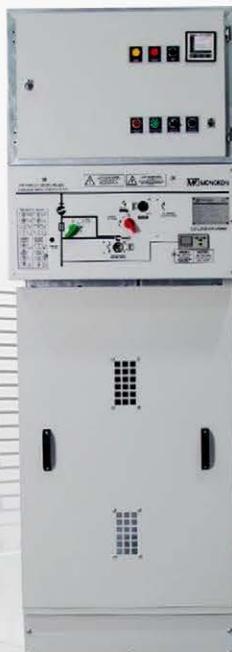
### Load Break Switch Incoming Outgoing Unit:



- Air Insulated Modular Switchgear Section Air Insulated Modular Switchgear consists of 3 main sections. These sections are secured with keys and mechanical locks. Alongside this, continuous transitions are isolated from the other sections.
- A-Low Voltage Section This section contains every secondary circuit for control (measurement, preservation, tracing, communication and other related systems).
- B-Cuting and Cable Section Following equipments are used in Cuting Section: -Vacuum Circuit Breaker -SF6 Circuit Breaker -SF6 Gas Load Break Switch -SF6 Gas Disconnector -Voltage Transformer -Current Transformer -Mid Voltage Fuse - Capacitive Voltage Divider -Cable connector and connection components.
- C-Busbar Section Busbar section contains suitable electrolytic coppers, insulators and bushing insulators selected for nominal voltage. Access to this section requires special instructions and security precautions.

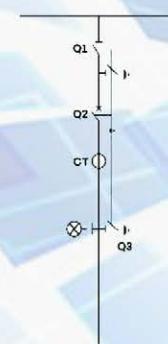
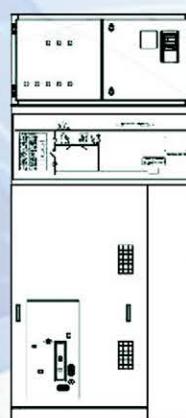
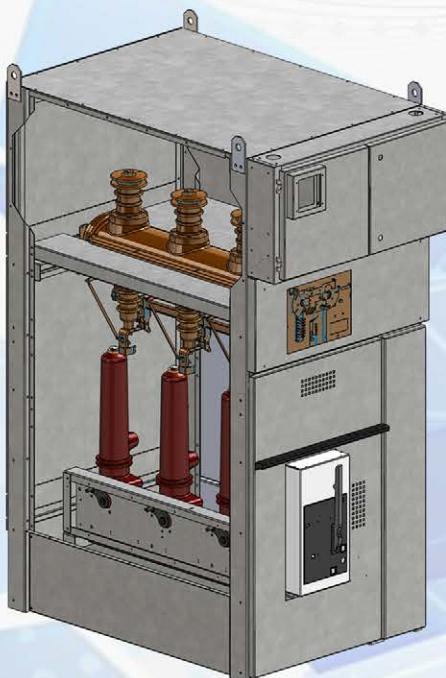


## Air Insulated Metal Enclosed Modular Switchgears



### LOAD BREAK SWITCH INCOMING OUTGOING UNIT

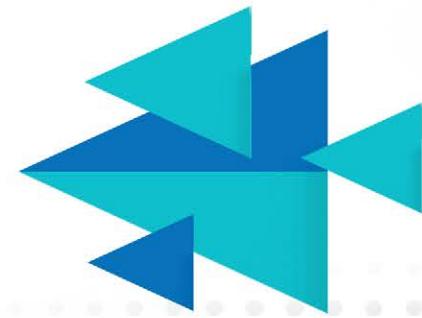
Un (kV)	36 kV	12/24 kV
En/Width (mm)	750	375-500
Boy/Height (mm)	1400	1000
Yükseklik/Length (mm)	2250	1935



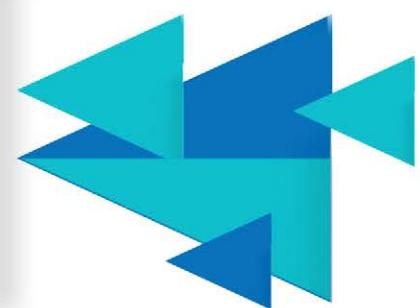
### M-GKT

#### CIRCUIT BREAKER TRANSFORMER PROTECTION UNIT

Un (kV)	36 kV	12/24 kV
En/Width (mm)	1000	750
Boy/Height (mm)	1400	1000
Yükseklik/Length (mm)	2250	1935



## The Pictures of Our Some Projects in Iraq





**Website :** [www.3zelektrik.com.tr](http://www.3zelektrik.com.tr)

**Email :** [info @3zelektrik.com.tr](mailto:info@3zelektrik.com.tr)

**Sales :** [Sales @3zelektrik.com.tr](mailto:sales@3zelektrik.com.tr)



**Tel :** +90 232 700 21 99



**Fax :** +90 232 999 16 26



**Cell :** +90 539 508 80 39

+ 90 536 732 21 63



**Address:** No.55 , K:9,D:091, Herits Tower Alsancik-konak , IZMIR TURKEY