



# MODERN SWITCHGEAR SYSTEMS

شركة الكتروبودوا السعودية

لتقنية الجهد الكهربائي

**Saudi Elektrobudowa L.L.C.**  
For High and Medium Voltage



Elektrobudowa



## UNIPANEL

### Metal-enclosed Switchgear

Rated voltages 12, 17.5 and 24 kV  
KSA service voltages 4.16, 11 and 13.8 kV  
Rated normal current of busbars: 1250 A  
Rated normal current of load-break switch panels: 630 A  
Rated normal current of circuit breaker panels: 630 A  
Rated short-circuit withstand current: up to 21 kA/1s



## D-12P / D-17P / D-24P

### Draw-out Metal-clad Switchgear IEC standards versions

Air Insulated, Arc-proof  
for rated voltages 12, 17.5 and 24 kV  
KSA service voltages 4.16, 11, 13.8 kV  
(D-24P recommended for 13.8 kV systems installed  
above 1000 meters above sea level)  
rated continuous current up to: 4000 A (D-12P);  
3600 A (D-17P); 2500 A (D-24P)  
rated short time withstand current: 40 kA/1s (D-12P);  
31 kA/1 s or 25 kA/3 s (D-17P and 24P)



**SEC  
APPROVED**

## D-17P

### Draw-out Metal-Clad Switchgear Version for SEC according to 32-TMSS-01

Air Insulated, Arc-proof  
for rated voltage 17.5 kV  
KSA service voltage 13.8 kV  
rated continuous current up to: 3000 A (natural cooling)  
or up to 3600 A (forced cooling)  
rated short time withstand current: 25 kA / 3 s  
protection degree: IP 4X





## D-17-2S

### Draw-out Metal-Clad Switchgear with Double Busbar System

Air Insulated, Arc-proof  
for rated voltage 17.5 kV  
KSA service voltage 13.8 kV  
rated continuous current up to: 1600 A  
rated short time withstand current: 31 kA/1 s or 25 kA/3 s



## ELPO and ELPE

### High Current Busducts

Air-Insulated  
for rated voltages up to 36 kV  
for KSA service voltages up to 34.5 kV  
Type **ELPO** - Nonsegregated  
- rated continuous current up to 6000 A  
- rated 1-sec. current up to 60 kA  
Type **ELPE** - Isolated-Phase  
- rated continuous current up to 18 kA  
- rated 1-sec. current up to 160 kA

SEC  
APPROVED



ELPO



ELPE



## D-40P

### Draw-out Metal-Clad Switchgear

Air Insulated, Arc-proof  
for rated voltage 40.5 kV  
KSA service voltage 33 / 34.5 kV  
rated continuous current up to: 1250 A  
rated short time withstand current: 25 kA/1 s



## OPTIMA

### Gas Insulated Switchgear

for rated voltages from 72.5 up to 145 kV;  
rated continuous current up to 3150 A;  
rated short-circuit withstand current 40 kA  
Product currently in development.



## Examples of our references in Saudi Arabia and the Gulf Countries



13.8 kV Switchgear for the Project of Ministry and Water and Electricity in Wadi ad Dawasir (contractor: Bin Jarallah) - 2008

33 kV Switchgear with 1250 A current rating for Al Taif Defence Project (contractor: Al Gihaz) 2010



11 and 13.8 kV Switchgear with 1250 A current rating for project in Khamis Musheyh (contractor: Gulf Group Co.) 2011

Bus duct tee-off connection for Hidd Power and Desalination plant in Bahrain (contractor: ABB Utilities, Germany) - 2007



13.8 kV Switchgear with 3600 A current rating for 21 BD Substation for Royal Commission for Jubail and Yanbu (contractor: Energy & Power Co.) 2011

### SAUDI ELEKTROBUDOWA L.L.C

CR 101050502

P.O. Box 3936, Malaz, Sitten Street  
behind Al Rajhi Bank  
Riyadh 11481,  
Kingdom of Saudi Arabia

Phone Line 1: +966-(1)-206-5738  
Phone Line 2: +966-(1)-206-5748  
Fax: +966-(1)-206-5740

website: [www.saudi-elektrobudowa.com](http://www.saudi-elektrobudowa.com)

The information in this document contains general descriptions of the product, which do not always have to be present in particular cases / versions.

Manufacturer has a right to make changes in course of technical development of the product.

Because technical standards and specifications can be subject of change in case of doubts please always ask for confirmation of the information given in this publication.