REFERENCE LIST 2018

Distribution Transformer 12/24/36 kV
Ormazabal designs, tests, manufactures and supplies Power Distribution Transformers immersed in dielectric liquids in accordance with current International Standards.

Our Customer oriented approach and new technology allow us to offer high-quality, reliable and safe products.

More than 215,000 Power Distribution Transformers have been manufactured and installed in more than 55 countries.

The below Reference List is organised by main countries and by main important customers.

This Reference List was latest updated on March 2018.
OVERHEAD DISTRIBUTION
DISTRIBUTION TRANSFORMERS
OIL NON CONVENTIONAL’s & SILICONE
TOTAL NUMBER OF FUNCTIONAL UNITS: 6,000+

FRANCE

- Electricité de France (EDF)
- Regies
- SEOLIS
- Others
TOTAL NUMBER OF FUNCTIONAL UNITS: 55,300+

- **ALGERIA**
  - Sonelgaz
  - Others

- **ANGOLA**
  - Others

- **BOLIVIA**
  - Others

- **CABO VERDE**
  - Others

- **CAMERUN**
  - Others

- **COSTA DE MARFIL**
  - Others
TOTAL NUMBER OF FUNCTIONAL UNITS: 55,300+

CZECH REPUBLIC
- Others

FRANCE
- Electricité de France (EDF)
- Regies
- Others

GABÓN
- Société d’Energie et Eau du Gabon (SEEG)
- CECA GADIS MATERIEL ELECTRIQUE
- Others

GERMANY
- Elektro Weibensee GmbH
- Stadtwerke Schwäbisch Hall
- Stadtwerke Crailsheim
- EWE Oldenburg
- Stadtwerke Sigmaringen
- Stadtwerke Ottobrunn
- Stadtwerke Sindelfingen

Data corresponding to last 15 years
### 24/36 kV RANGE

**TOTAL NUMBER OF FUNCTIONAL UNITS: 55,300+**

<table>
<thead>
<tr>
<th>Country</th>
<th>Details</th>
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<tbody>
<tr>
<td>Guinea</td>
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<td>Jordan</td>
<td>Others</td>
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<td>Kuwait</td>
<td>Others</td>
</tr>
<tr>
<td>Luxembourg</td>
<td>Others</td>
</tr>
<tr>
<td>Moldova</td>
<td>GUP “ERES” Others</td>
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<tr>
<td>Mozambique</td>
<td>Others</td>
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<tr>
<td>Netherlands</td>
<td>Others</td>
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</table>
### TOTAL NUMBER OF FUNCTIONAL UNITS: 55,300+

<table>
<thead>
<tr>
<th>Country</th>
<th>Companies</th>
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<tr>
<td>PANAMA</td>
<td>Others</td>
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<tr>
<td>PERU</td>
<td>Others</td>
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<tr>
<td>POLAND</td>
<td>Energa, Enea, PGE, Tauron Group, PKP ENERGETYKA, Others</td>
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<tr>
<td>PORTUGAL</td>
<td>Electricidade do Portugal (EDP), EDA, MATELFE, Others</td>
</tr>
<tr>
<td>ROMANIA</td>
<td>Others</td>
</tr>
</tbody>
</table>

Data corresponding to last 15 years
TOTAL NUMBER OF FUNCTIONAL UNITS: 55,300+

**SENEGAL**
- Others

**SPAIN**
- Iberdrola
- ENEL Endesa
- Gas Natural Fenosa
- HC Energía
- Viesgo
- Eiffage Energía
- Elecnor
- Others

**SWEDEN**
- Others

**UNITED KINGDOM**
- Others

**URUGUAY**
- Others
UNDERGROUND DISTRIBUTION
DISTRIBUTION TRANSFORMERS
OIL NON CONVENTIONAL’s
TPC UP TO 630 KVA

TOTAL NUMBER OF FUNCTIONAL UNITS: 1,500+

FRANCE
- Electricité de France (EDF)
- Regies
- SEOLIS
- Others

Data corresponding to last 15 years
UNDERGROUND DISTRIBUTION

DISTRIBUTION TRANSFORMERS

OIL CONVENTIONAL’s & SILICONE
TOTAL NUMBER OF FUNCTIONAL UNITS: 80,000+

ALGERIA
- Sonelgaz
- EURL JELNAR ELECTRICITE
- EURL E.G.D.S
- SARL INDUSTRY TECHNOLOGY ELECTRIC
- Others

ANDORRA
- Forces Electriques d’Andorra
- Others

ANGOLA
- Others

ARGENTINA
- EDESUR (Buenos Aires)
- EDET
- EDEA
- EPEC
- Empresa Provincial de Energía de Santa Fé (EPE)
- Others

24/36 kV RANGE

Data corresponding to last 15 years
<table>
<thead>
<tr>
<th>Country</th>
<th>Projects</th>
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<tbody>
<tr>
<td>AUSTRIA</td>
<td>Others</td>
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<tr>
<td>AUSTRALIA</td>
<td>Others</td>
</tr>
<tr>
<td>BELGIUM</td>
<td>Others</td>
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<tr>
<td>BULGARIA</td>
<td>Others</td>
</tr>
<tr>
<td>BOLIVIA</td>
<td>Others</td>
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<tr>
<td>CABO VERDE</td>
<td>APP – Aguas de Ponta Preta, Others</td>
</tr>
</tbody>
</table>

**TOTAL NUMBER OF FUNCTIONAL UNITS:** 80,000+

Data corresponding to last 15 years
24/36 kV RANGE

TOTAL NUMBER OF FUNCTIONAL UNITS: 80,000+

CAMERUN
- Others

CHILE
- Others

COLOMBIA
- Others

CZECH REPUBLIC
- High Energy

DENMARK
- Others

DOMINICAN REPUBLIC
- Others

ECUADOR
- Others

Data corresponding to last 15 years
TOTAL NUMBER OF FUNCTIONAL UNITS: 80,000+

EGYPT
- Others

EL SALVADOR
- Others

FRANCE
- Electricité de France (EDF)
- Regies
- SEOLIS
- Others

GERMANY
- Elektro Weibensee GmbH
- Stadtwerke Schwäbisch Hall
- Stadtwerke Crailsheim
- EWE Oldenburg
- Stadtwerke Sigmaringen
- Stadtwerke Ottobrunn
- Stadtwerke Sindelfingen
- Others

Data corresponding to last 15 years
TOTAL NUMBER OF FUNCTIONAL UNITS: 80,000+

GABON
- Société d’Energie et Eau du Gabon (SEEG)
- Others

GUATEMALA
- Others

GUINEA
- Others

GUINEA ECUATORIAL
- Others

HONDURAS
- Others

IRAQ
- Others
TOTAL NUMBER OF FUNCTIONAL UNITS: **80,000+**

<table>
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<td>JAMAICA</td>
<td>Others</td>
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<tr>
<td>LEBANON</td>
<td>Others</td>
</tr>
<tr>
<td>LUXEMBOURG</td>
<td>Others</td>
</tr>
<tr>
<td>MAURITANIA</td>
<td>Others</td>
</tr>
<tr>
<td>MEXICO</td>
<td>Others</td>
</tr>
<tr>
<td>MOLDOVA</td>
<td>GUP &quot;ERES&quot;</td>
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<td></td>
<td>Others</td>
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Data corresponding to last 15 years
### 24/36 kV RANGE

**TOTAL NUMBER OF FUNCTIONAL UNITS: 80,000+**

<table>
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<tr>
<th>Country</th>
<th>Description</th>
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<tbody>
<tr>
<td>MONACO</td>
<td>Others</td>
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<td>MOROCCO</td>
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<td>MOZAMBIQUE</td>
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<tr>
<td>NAMIBIA</td>
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<tr>
<td>NETHERLANDS</td>
<td>Others</td>
</tr>
<tr>
<td>NIGERIA</td>
<td>Others</td>
</tr>
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</table>
TOTAL NUMBER OF FUNCTIONAL UNITS: 80,000+

**PERU**
- Others

**POLAND**
- Energa
- Enea
- PGE
- Tauron Group
- PKP ENERGETYKA
- Others

**PHILIPPINES**
- Meralco
- Others

**PORTUGAL**
- Electricidade do Portugal (EDP)
- EDA
- MATELFE
- Others

**ROMANIA**
- Others
TOTAL NUMBER OF FUNCTIONAL UNITS: 80,000+

SOUTH AFRICA
- SMA

SPAIN
- Iberdrola
- ENEL Endesa
+ Gas Natural Fenosa
- HC Energía
- Viesgo
- Ingeteam Power Technology
- Cobra
- Elecnor
- Gamesa
- Ferrovial
- Power Electronics
- FCC Industrial e infraestructuras Energéticas
- Suministros Eléctricos Industriales A.Teixido
- Others

SWEDEN
- Others

SWITZERLAND
- Others

SYRIA
- Others
24/36 kV RANGE

<table>
<thead>
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<th>TOTAL NUMBER OF FUNCTIONAL UNITS: 80,000+</th>
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<tbody>
<tr>
<td><strong>TUNISIA</strong></td>
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<tr>
<td>• Others</td>
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<tr>
<td><strong>TURKEY</strong></td>
</tr>
<tr>
<td>• Others</td>
</tr>
<tr>
<td><strong>UNITED ARAB EMIRATES</strong></td>
</tr>
<tr>
<td>• Others</td>
</tr>
<tr>
<td><strong>UNITED KINGDOM</strong></td>
</tr>
<tr>
<td>• FREEDOM</td>
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<tr>
<td>• EAST SOLUTIONS</td>
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<tr>
<td><strong>URUGUAY</strong></td>
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<tr>
<td>• Others</td>
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<tr>
<td><strong>ZAMBIA</strong></td>
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<tr>
<td>• Others</td>
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Data corresponding to last 15 years
# 24/36 kV RANGE

**TOTAL NUMBER OF FUNCTIONAL UNITS:** 230+

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<th>Country</th>
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<tr>
<td>FRANCE</td>
<td>Others</td>
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<tr>
<td>GERMANY</td>
<td>Others</td>
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<tr>
<td>LEBANON</td>
<td>Others</td>
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<tr>
<td>MEXICO</td>
<td>Others</td>
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<tr>
<td>PERU</td>
<td>Others</td>
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<tr>
<td>SPAIN</td>
<td>Others</td>
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<tr>
<td>UNITED KINGDOM</td>
<td>Others</td>
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Data corresponding to last 15 years

**transforma >2500 kVA**
UNDERGROUND DISTRIBUTION
DISTRIBUTION TRANSFORMERS
DRY TYPE
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<tr>
<th>Country</th>
<th>Type</th>
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<td>Others</td>
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<tr>
<td>BOLIVIA</td>
<td>Others</td>
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<tr>
<td>CABO VERDE</td>
<td>Others</td>
</tr>
<tr>
<td>CZECH REPUBLIC</td>
<td>Others</td>
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<tr>
<td>GABON</td>
<td>Others</td>
</tr>
<tr>
<td>HONDURAS</td>
<td>Others</td>
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<tr>
<td>JAMAICA</td>
<td>Others</td>
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### TOTAL NUMBER OF FUNCTIONAL UNITS: 600+

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<thead>
<tr>
<th>Country</th>
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<tr>
<td>POLAND</td>
<td>• Others</td>
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<tr>
<td>PORTUGAL</td>
<td>• Electricidade do Portugal (EDP)</td>
</tr>
<tr>
<td></td>
<td>• Others</td>
</tr>
<tr>
<td>SPAIN</td>
<td>• Iberdrola</td>
</tr>
<tr>
<td></td>
<td>• ENEL Endesa</td>
</tr>
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<td></td>
<td>• Gas Natural Fenosa</td>
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<td>• Hidroeléctrica de Cataluña (HECSA)</td>
</tr>
<tr>
<td></td>
<td>• Viesgo</td>
</tr>
<tr>
<td></td>
<td>• Elecnor</td>
</tr>
<tr>
<td></td>
<td>• Others</td>
</tr>
<tr>
<td>URUGUAY</td>
<td>• Others</td>
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</tbody>
</table>

Data corresponding to last 15 years
TOTAL NUMBER OF FUNCTIONAL UNITS: **1,340+**

**CHILE**
- TEUR Chile s.p.a.
- Others

**COSTA RICA**
- CFS SISTEMAS S.A.
- Others

**CZECH REPUBLIC**
- High Energy s.r.o.
- Others

**DOMINICAN REPUBLIC**
- COGESISA Controles Industriales
- Others

**FRANCE**
- ASF (Highways)
- Others
## 24/36 kV RANGE

**TOTAL NUMBER OF FUNCTIONAL UNITS: 1,340+**

<table>
<thead>
<tr>
<th>Country</th>
<th>Companies</th>
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<td>Guatemala</td>
<td>Perenco Guatemala Ltd.</td>
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<tr>
<td></td>
<td>Others</td>
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<tr>
<td>Jordan</td>
<td>Others</td>
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<tr>
<td>Luxembourg</td>
<td>Others</td>
</tr>
<tr>
<td>Mexico</td>
<td>Others</td>
</tr>
<tr>
<td>Philippines</td>
<td>Others</td>
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</table>
**24/36 kV RANGE**

**TOTAL NUMBER OF FUNCTIONAL UNITS: 1,340+**

<table>
<thead>
<tr>
<th>Country</th>
<th>Company Names</th>
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<tbody>
<tr>
<td>POLAND</td>
<td>Elektret, INS-EL, PGE, Others</td>
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<tr>
<td>PORTUGAL</td>
<td>Others</td>
</tr>
<tr>
<td>ROMANIA</td>
<td>DAN Holding MGM SRL, EOL Energy Moldova SRL, Green Energy Farm SRL, Smart Clean Power SRL, Others</td>
</tr>
<tr>
<td>SAUDI ARABIA</td>
<td>Railways Infraestructures Instalaciones y Servicios, Others</td>
</tr>
<tr>
<td>SENEGAL</td>
<td>YINGLI Green Energy SLU, Others</td>
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</tbody>
</table>
TOTAL NUMBER OF FUNCTIONAL UNITS: 1,340+

SPAIN
- Iberdrola
- ENDESA Energia
- E.ON Spain
- M TOI Wind Turbines S.L.
- Eiffage Spain
- FCC INDUSTRIAL E INFRAESTRUCTURAS ENERGETICAS, S.A.U.
- Elecnor
- Cobra
- INST. ELECT. SCORPIO, S.A.
- ABM Rexel Spain
- Consorcio de Aguas Bilbao-Bizkaia
- Ingeteam Power Technology
- Mercadona
- Eldu, S.A.
- Others

SOUTH AFRICA
- Others

TURKEY
- Star Ege Refinery Consortium (incl. Técnicas Reunidas)
- Others
www.ormazabal.com

ksd@ormazabal.com