



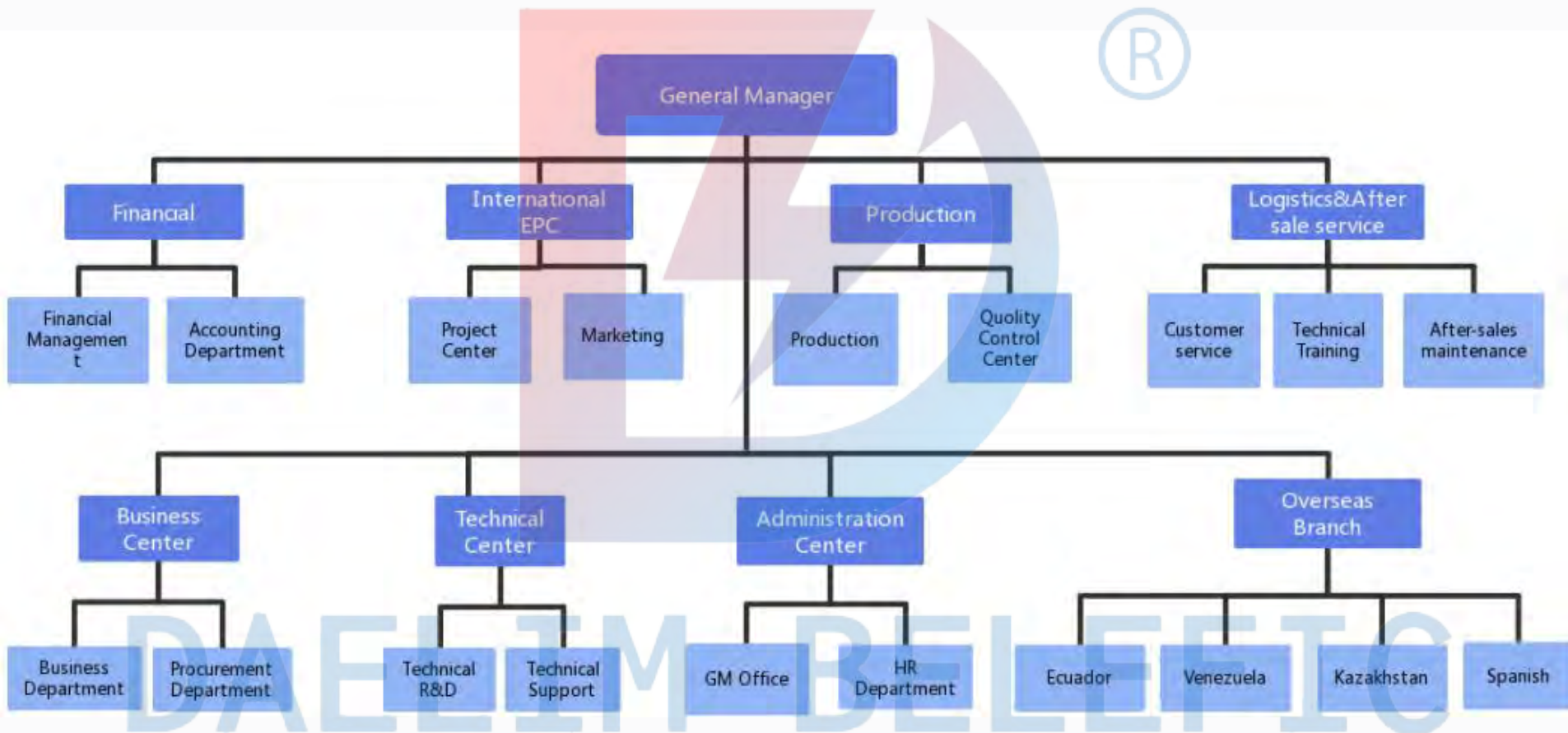
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ORGANIGRAM OF INTERNATIONAL DEPARTMENT



DAELIM TEAM



BEIJING DAELIM GREEN EP TECHNOLOGY CO., LTD, is the headquarter of Daelim Team, located in Beijing, China. Beijing team mainly deal with international electric projects, focusing on electric power fields including POWER SUBSTATION, DISTRIBUTION SYSTEM, TRANSMISSION LINE.

Daelim obtains transformer factories in Jiangsu, China and overseas branches.

Transformer
Circuit Breaker
Current Transformer
Potential Transformer
Disconnecter Switch
Switchgear
Surge Arrester
Insulator
Cable

...



Jiangsu China Factories



Nantong, Jiangsu, China

Total Area:
Equipment:
Autotransformers

120,000 m²
Transformers and

Ranges:
Staff:

Single-phase / Three-phase
Up to 245kV - 270MVA
1000+ Employees

Taizhou, Jiangsu, China

Total Area: 10,000mts2
Equipment: Transformers and
Autotransformers
Single-phase / Three-phase
Ranges: Up to 44kV - 80MVA
Staff: 100 Employees



Certificates



CESI certification



Distribution Transformers
1600kva 10-0.4kV Test Report



Dry-type Transformers 1000kva
10-0.4kV Test Report



Jiangsu DAELIM ISO



Report for IN-TJ-5801-2004-02
Upd03



TIS Report



Jiangsu DAELIM ISO



Jiangsu DAELIM ISO

General Technical Characteristics

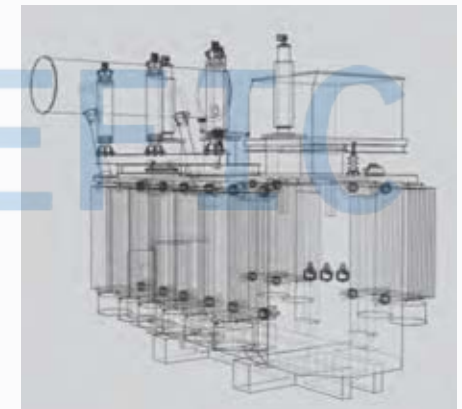
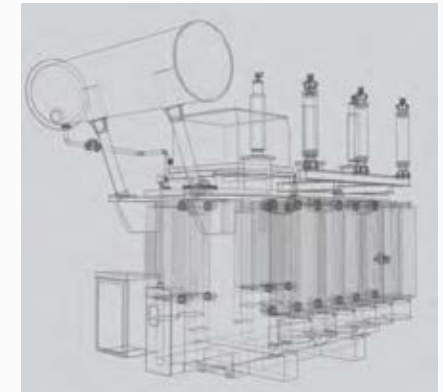
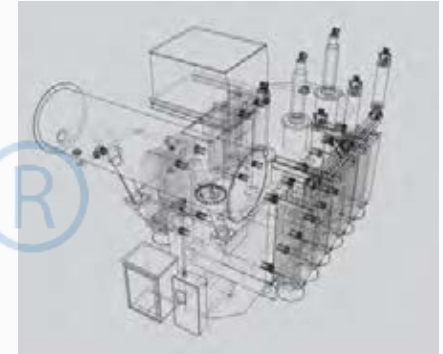
Design Tools	SOLIDWORKS(3D) / AUTOCAD
Equipment	3F / 2F / 1F Transformer / Autotransformer
Design and Manufacture Standard	IEC 60076 / ANSI-IEEE C57.12/CSA/EN/BS/GOST

Design	Oil Conservator / Sealed
Insulation	Mineral Oil Inhibited / Not Inhibited / Vegetable
Installation Altitude	According to Request

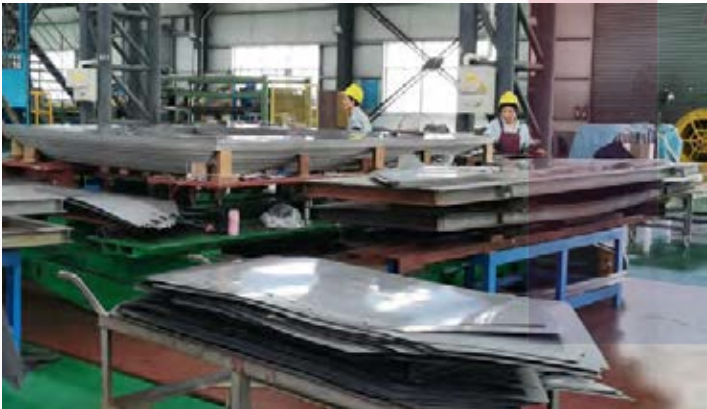
Core	Manufacturing
	Coiled Type
	Column Type in Grain Oriented Silicon Steel and High Permeability (low losses)
	High Purity Electrolytic Copper
Coils	Class E Insulating Paper (120 ° C)
Steel	ASTM A-36 Low Carbon Steel
Welding	Continuous Double Seam Welding
Active Part Drying	Oven & “Vapourphase” System (Kerosene Steam)
Cleaning Process	Blasting
Painting Process:	Electrostatic / Anticorrosive + Epoxy / Immersion

Tests	Tests
Routine tests	Included
Type Tests	Included (Heating and Impulses)
Special Tests	Included (Except Short Circuit Test)
Tests Accessories	Not included, Except Typical Information Available

Packaging
Wooden Cages / Crates / Drums Included



Distribution Transformer production process



Distribution Transformer Scope



Single/Three Overhead Transformers

Single/Three Pedestal Type Transformers with Accessories

Zig Zag Transformers

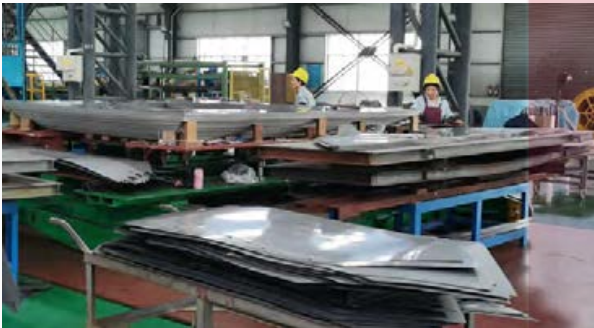
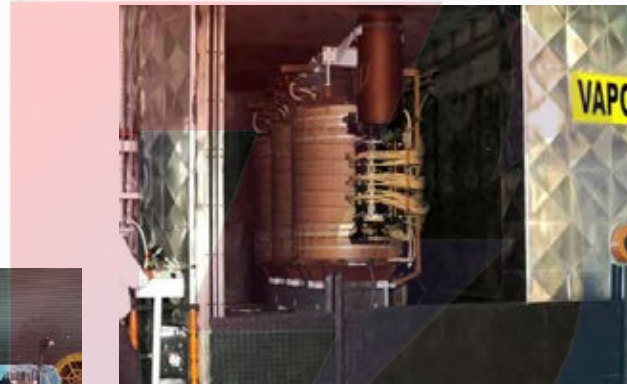
Dry Type Transformers

Amorphous Alloy Transformers



Power Transformer Production Process

Three-Phase and Single-Phase Transformers
Three-Phase and Single-Phase Autotransformers



Standard Accessories / Instrument



Mineral Oil
Buchholz relay
Pressure Relief Valve
Oil gauge
Upper Winding / Oil Temperature Indicator
Air Dehumidifier (Silica Gel)
Oil filling / draining valves, sampling, etc.



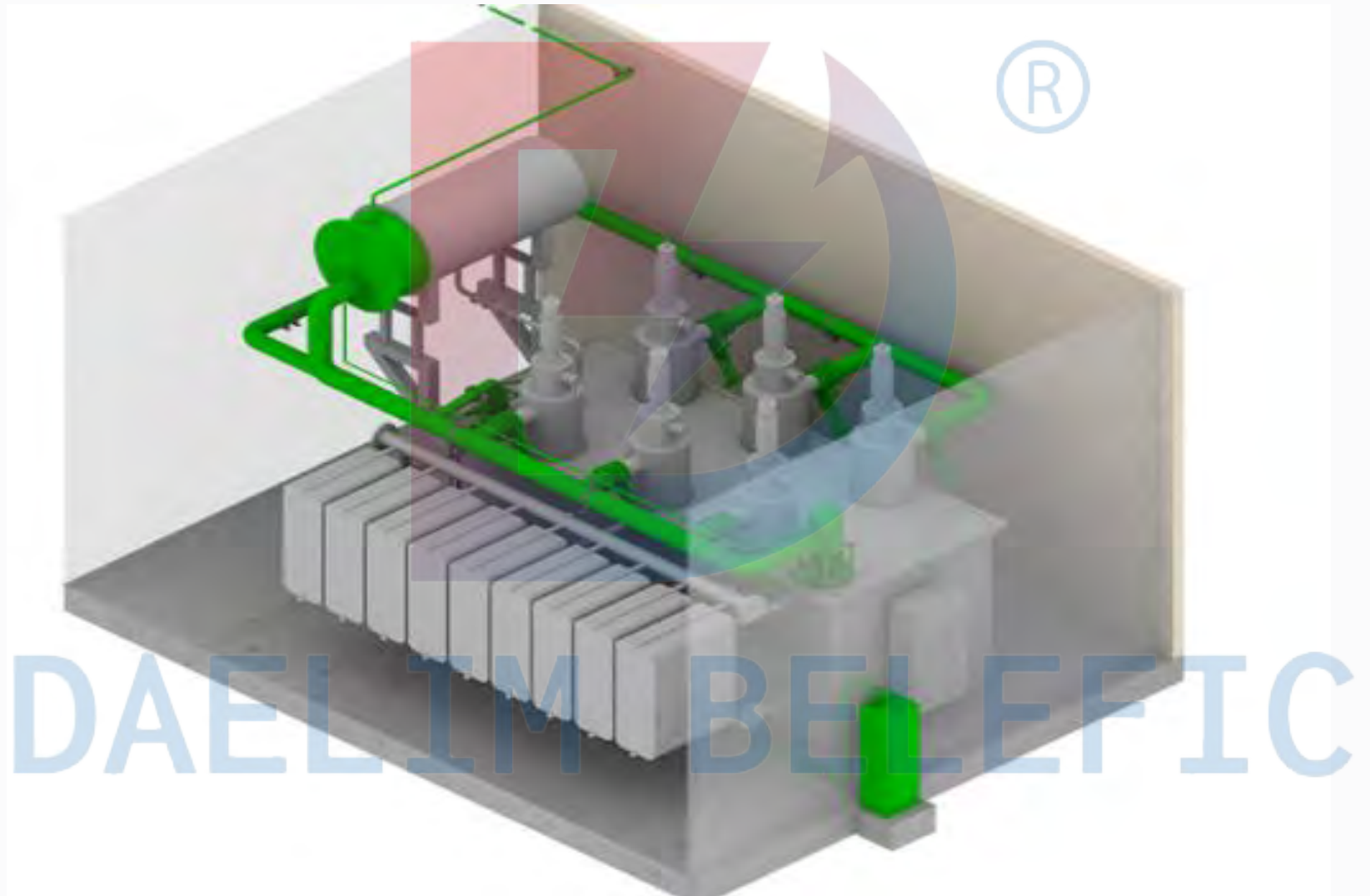
Accessories / Instruments On Request

Uninhibited Mineral / Vegetable Oil
Digital Temperature Monitor
HV / LV “ZnO” Surge Arrestor
Grounding Resistor / Zig-Zag Transformer
HV / LV Connections for Dry / SF6 Cables
No Load / Under Load Taps Changer
Gas in Oil Monitor
Cooling System Using Fans / Water-Oil
Circulation
Remote Control and Signaling Board



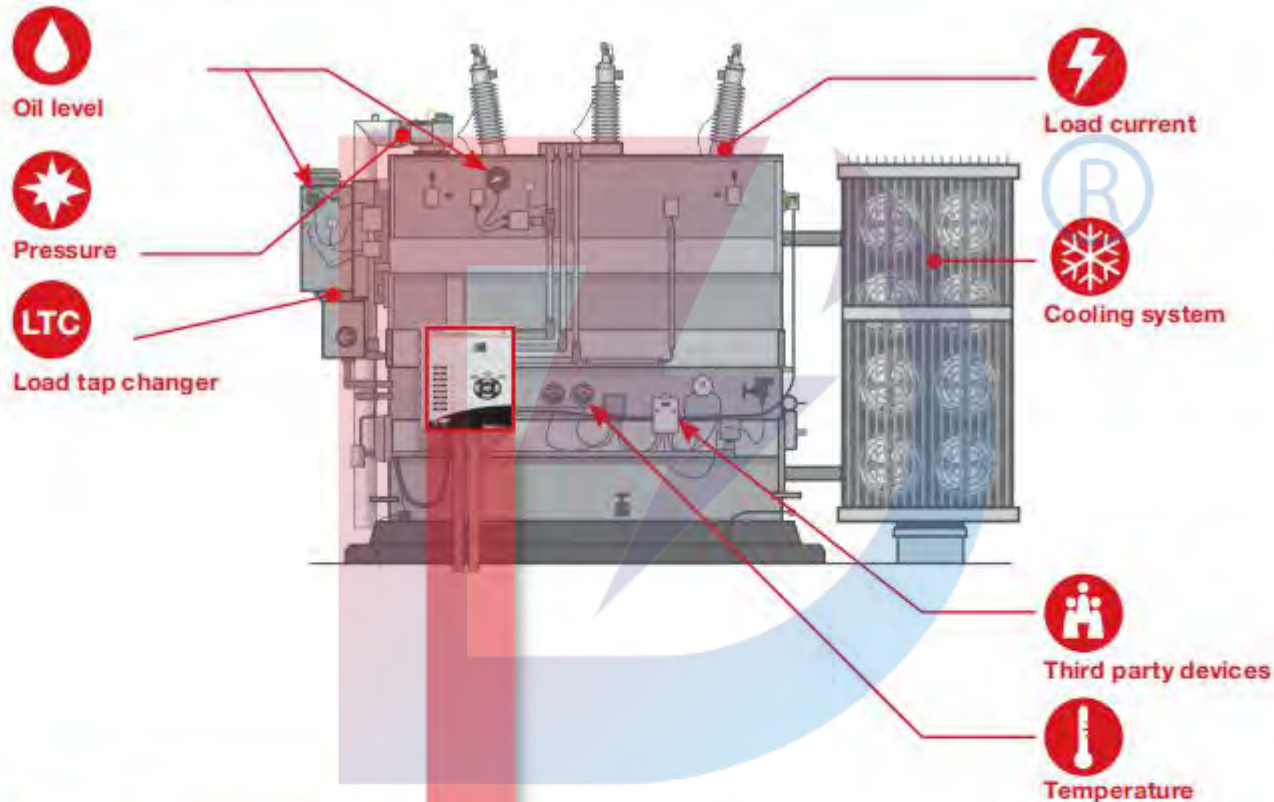
Accessories / Instruments On Request

Fire Prevention System (SERGI)



Accessories / Instruments On Request

Monitoring System "On Line"



Analyze and communicate



Control

- Cooling system optimization
- Local and remote alarms
- Programmable relays
- Cooling system exerciser
- Seasonal set points
- Ambient forecast



Information

- Event recording
- TransLife™
- Data logging
- Predictive loading
- SCADA outputs (0-1mA or 4-20mA)
- Digital communication (RS 485, RS 232, fiber optic, Ethernet)
- Protocols (DNP, MODBUS, IEC 61850, IEC 60870)

Laboratory Test



Laboratory Test

ANSI / IEEE C57.12 / IEC 60076 standards
Test Capacity up to 220kV - 240MVA

Oil Laboratory

Standards ASTM D-3487/2002 / IEC 60296 / IEEE C57.106-2002 / IEC 60422
Physical - Chemical Analysis
Chromatographic Analysis



Packaging & Associated Services

Packaging

Main Parts (Tank, etc.) Without Packaging (not required)

Accessories

Boxes (NIMF N° 15)

Oil

Properly Treated Wood

200lts Metallic Drums

Associated Services

Transport

Maritime / Land

On Site Technical Assistance In Assembly, Oil Treatment, Testing and Commissioning (Energization) by an Engineer Factory Specialist

Training

by a Factory Specialist

Engineer in Operation and Maintenance





Reference Projects

DAELIM BELECT

The science from wisdom and technology comes to boutique.

Specialized in designing, supplying, installation, commissioning, testing and training in the range of substation, mobile substation and transmission line.

Reference List Africa

New Guinea

Projects Lists

Project Item	Project Name	QTY	YEAR
Distribution System	5.5/33KV 800KVA Step-Up Transformer, 15/0.41kv, 400KVA&250KVA Transformer	11	2018



NIGERIA

Projects Lists

Project Item	Project Name	QTY	YEAR
Power Substation	33/11KV 10MVA Power Substation	2	2016
Power Substation	33/11KV 15MVA Power Substation	1	2017
Power Substation	132/33KV 60MVA Power Substation	1	2016
Power Substation	132/33KV 50MVA Power Substation	1	2017
Mobile Substation	33/11KV 15MVA Mobile Substation	1	2017

EGYPT

Projects Lists

Project Item	Project Name	QTY	YEAR
Power Substation	33/11KV 10MVA Power Substation	6	2016
Power Substation	121KV 20MVA Power Substation	1	2017

Congo-Kinshasa

Projects Lists

Project Item	Project Name	QTY	YEAR
Distribution System	20(10)/0.4KV 100KVA Distribution Transformer	26	2017
Distribution System	10/0.4KV 200KVA Pole Mount Transformer	7	2019

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Reference List Asia

Kazakhstan

Projects Lists

Project Item	Project Name	QTY	YEAR
Steel Mill Factory	10MVA, 110KV Power Substation	1	2017
Distribution System	1000KVA, 10KV Dry Transformer	15	2018
Distribution System	600KVA, 10KV Dry Transformer	20	2018
Residential Application	2500KVA, 10KV Pad-Mount Transformer	10	2018
Digital Currency Mining	1000KVA 10KV Pad-Mount Transformer	5	2019

Vietnam

Projects Lists

Project Item	Project Name	QTY	YEAR
Power Substation	40MVA, 110KV Power Substation	1	2016
Power Substation	12MVA, 35KV Power Substation	1	2017
Transmission Line	40MVA, 110KV Transmission Line	360km	2017



PHILIPPINES

Projects Lists

Project Item	Project Name	QTY	YEAR
Power Substation	35MVA, 69/35KV Power Substation	1	2016
Power Substation	0.5MVA, 35/0.4KV Power Substation	1	2016
Distribution System	7.621KV/240V Single Phase Pole Mount Transformer	18	2019

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DAEWON ELECTRIC

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Reference List America

Canada

Projects Lists

Project Item	Project Name	QTY	YEAR
Power Substation	44/12.47KV 5MVA Power Substation	4	2019
Distribution System	7200V ,120/240V Single Phase,Pole mount Transformer	213	2019
Distribution System	300KVA-7200 (2400)V 120/208V Pad Mount Transformer	75	2020

Ecuador

Projects Lists

Project Item	Project Name	QTY	YEAR
Steel Mill Factory	Gefersa 69/13.8kv 80MVA Furnace Transformer	1	2016
Power Transformer	Three Phase Power Transformer 69kv 18/24 mVA	5	2020
Transmission Line	Guayaquil 138KV Transmission Line	120km	2017
GIS Mobile Substation	69KV Mobile Substation with GIS	1	2017
Power Substation	Three Phases Power Substation 69/13.8KV OLTC ONAF - 5mVA	7	2018
Power Substation	Three Phases Power Transformer 69/13.8KV- 20mVA	3	2019



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MEXICO

Projects Lists

Project Item	Project Name	QTY	YEAR
Chemistry Factory	20KV 6MVA Furnace Transformer	1	2018
Chemistry Factory	20KV 20MVA Furnace Transformer	1	2019

HONDURAS

Projects Lists

Project Item	Project Name	QTY	YEAR
Power Substation	138KV 20/24MVA Power Substation	1	2017
Solar Project	Three Phases Distribution Transformers 13.8/0,48kV 625~1700kVA	10	2019



FIC

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VENEZUELA

Projects Lists

Project Item	Project Name	QTY	YEAR
Iron Alloy Mill Factory	35KV 60MVA OLTC Arc Furnace Transformer	1	2016
Power Substation	Cotobie 69/22KV 20MVA Power Substation	1	2016
Mobile Substation	67KV 20MVA Mobile Substation	1	2017
Power Transformer	Three Phases Power Transformer 69kV- 60mVA	1	2019



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How to begin our business with customers:

- ◆ OEM: OEM by complete transformer or active parts.
- ◆ Tender: take part in tenders together.
- ◆ Order: Purchase by order directly.

MARKETING





2020

Thanks!

DAELIM BELEFIC