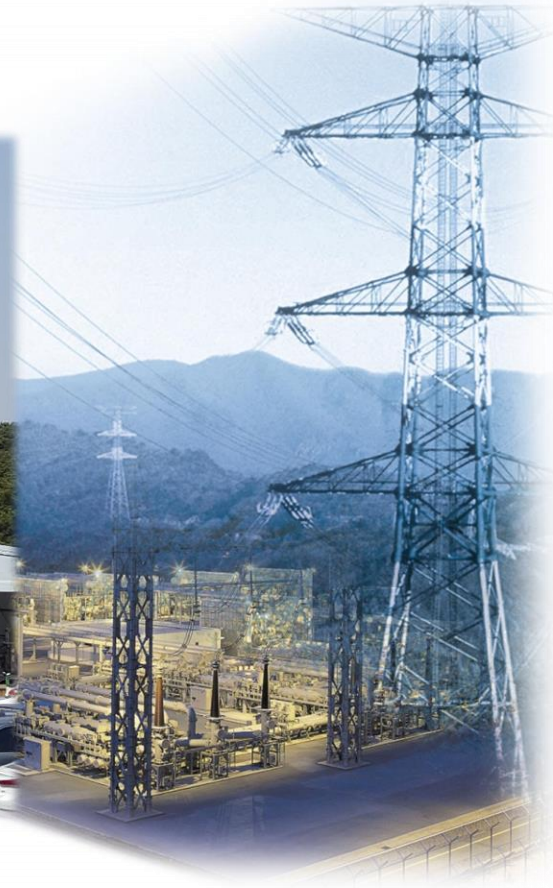


DELCOCO



DOC DELCOCO CO.,LTD.

Introduction
Company Info.
History
Organization
Business Field
Products
Facilities
References
ISO Certificates
Patents
Designs
Registered with

Establishment of DELCOCO in February 2000, we started to produce tanks, enclosures, bases, control cabinets, mechanisms and other internal/external components for Distribution line Switchgears and Circuit Breakers.

We have been successfully producing and supplying all parts of electricity equipment which fully comply with ISO 9001 and ISO 14001 standards to our domestic and overseas manufacturers.

Our goals are to bring customer satisfaction by adopting the newest technology and implementing high productivity with quality and continuously invest in both human resources and environment.

Company Info

Established

February 5, 2000

Chairman

Kim, Young Soo

Location

**301 Mado-ro, Mado-myeon, Hwaseong-si,
Gyeonggi-do, Korea**

Tel : 031-357-3474, Fax : 031-357-2844

Employee

75 employees

Land

Entire site 11,162m²(3,377py)/Office(902m²/273py) Factory(3,078/931py)

Product Line

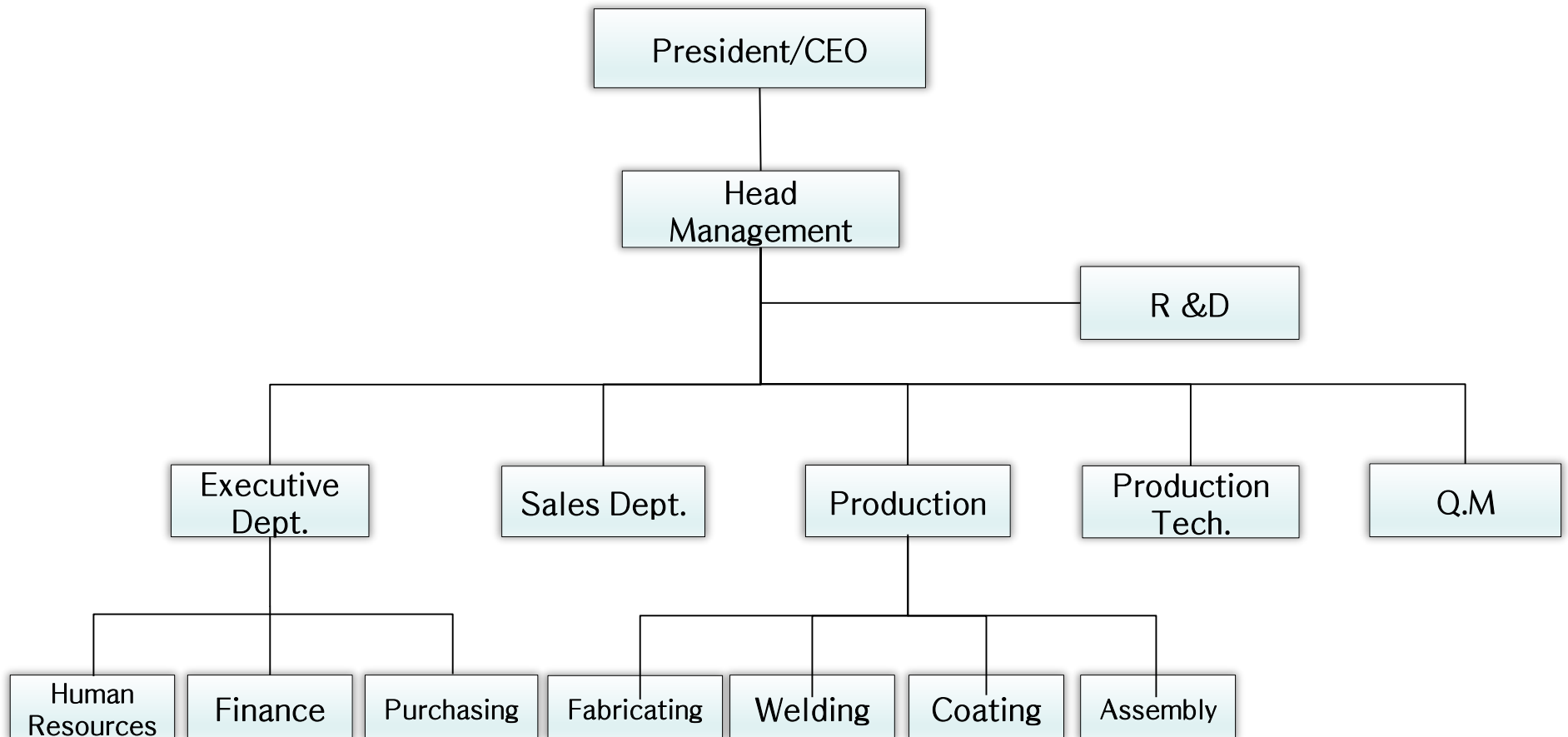
**Distribution Line Switchgear/Circuit Breaker Mechanism, Tank,
Enclosure, Control Cabinet and other Internal & External
Components, Renewable Energy, Solar Power Generation and etc.**

- 2000. 02** Established DOHUN Electric
- 2008. 03** Changed Company name to DELCOCO
 - 03 Development and production of SF6 Gas Switchgear Mechanism
 - 09 Development and production of RMU Mechanism for export
- 2009. 07** Supplied mechanisms to ILJIN for KEPCO type Overhead line SW
 - 10 Supplied mechanisms to ILJIN for KEPCO type Underground line SW
 - 12 Supplied CB mechanisms to ILJIN for RMU TPC(Taiwan) Type
- 2010. 07** Achieved ISO 9001 & 1SO 14001
 - 08 Set up the Research & Development Center
 - 10 Relocated to Bibong-myeon of Hwaseong-si
 - 10 Incorporated Delcoco
 - 10 Supplied CB mechanisms to EN for PEDEEE(Syria) type RMU
 - 11 Registered as a Venture business

- 2011. 01** Registered as a Component and Material expert
- 08 Developed Mechanisms for Epoxy mold LBS
- 10 Registered a patent, No.10-1079791, for Underground SW Mechanism Epoxy Mold
- 11 Registered MAIN-BIZ
- 11 Supplied CB mechanisms to EN for TPC(Taiwan) type RMU
- 2012. 05** Registered a patent, No.10-1148171, for Overhead SW Mechanism Epoxy Mold
- 11 Supplied Underground Epoxy mold LBS to DONGWOO
- 2013. 12** Supplied Overhead(ECO type) Epoxy mold LBS to DONGWOO
- 2014. 07** Design Registration, No. 30-0755042, for Magnetic Actuator for CB
- 12 Supplied CB mechanisms to EN for PEDEEE(Syria) type RMU
- 2015. 09** Supplied PGS to KWANGMYUNG for Indonesian(PLN) market
- 2016. 08** Expanded the facilities and relocated to Mado-myeon, Hwasung-Si (Current location)
- 10 Design Registration, No. 30-0876874, for Actuator for CB
- 11 Developed 25.8kV Gas Insulated LBS(Non-Powering Off Solution)

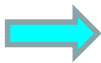
- 2017. 03** Supplied Underground SF6 Gas insulated LBS to DONGWOO
- 03 Supplied LBS(PGS) to SHINSUNG for Hong Kong market
- 03 Developed 15kV SF6 Gas Insulated REC
- 05 Supplied Overhead(ECO type) Epoxy mold LBS to S&S
- 05 Developed 25.8kV SF6 Gas insulated REC
- 12 Supplied Underground SF6 Gas insulated LBS to EWOOTEC
- 2018. 01** Supplied Underground SF6 Gas insulated LBS DTR
- 03 Supplied REC to d2ENGINEERING for Indian(INE) market
- 06 Supplied Overhead(ECO type) Epoxy mold LBS to EWOOTEC
- 06 Supplied PGS to JINKWANG E&C for Thai(PLN) market
- 07 Supplied PGS to THEBEST for Thai(PLN) market
- 09 Supplied Overhead(ECO type) Epoxy mold LBS to d2ENGINEERING

Organization



Business Fields

- LBS, CB, RMU Mechanisms, enclosures and tanks
- LBS, CB, fully assembled and pre-assembled



LBS, CB, RMU production

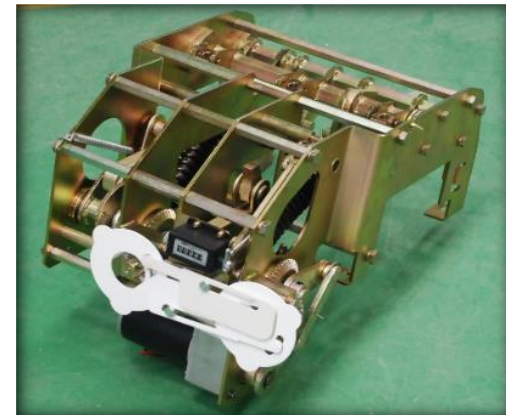
Products

No.	Product	Parts	Remark
1	Epoxy Mold LBS(Underground)	Enclosure, tank, Motorized and manual type mechanism, etc.	
2	SF ₆ Gas LBS (Underground)	Enclosure, tank, control cabinet, mechanism, etc.	
3	Epoxy Mold LBS(Overhead/Eco-LBS)	tank, control cabinet, Motorized and manual type mechanism, etc.	
4	SF ₆ Gas LBS	tank, control cabinet, Motorized and manual type mechanism, etc.	Terminal Type, Mold cone Type
5	SF ₆ Gas ASS	tank, control cabinet, Motorized and manual type mechanism, etc.	
6	ALTS	Enclosure, tank, control cabinet, mechanism, etc.	
7	GIS	CB,DS(3-Position) mechanism, etc.	
8	RMU	Enclosure, tank, control cabinet, CB, main circuit and Earthing circuit, etc.	
9	Polymer RECLOSER(REC)	PMA and frame, etc.	
10	SF ₆ Gas RECLOSER(REC)	tank, control cabinet, PMA and Barrier, etc.	
11	ATS	Case, mechanism and main components, etc.	

Product-1



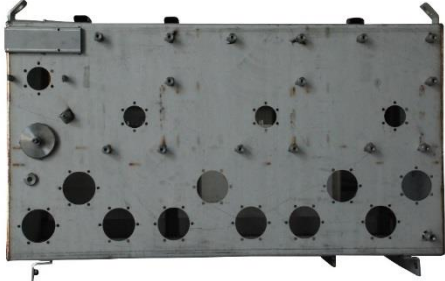
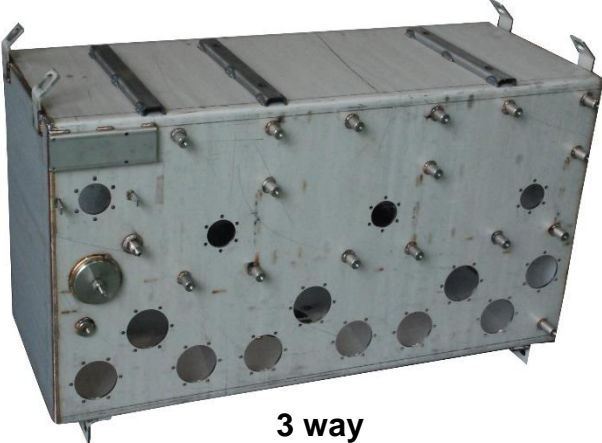
Epoxy Mold LBS (Underground)
25.8kV, 600A, 12.5kA, 60Hz
3~4 ways



Patent No.10-1079791

Main Body, Motorized and Non-Motorized Mechanism, etc.

Tank(Gas PAD, Epoxy PAD 3~4 ways)



Enclosure(Gas PAD, Epoxy PAD 3~4 way)



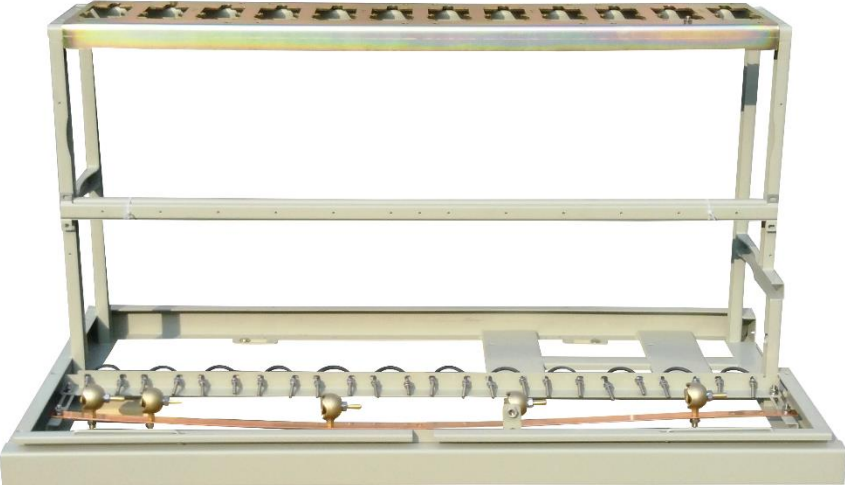
Inside



Rear



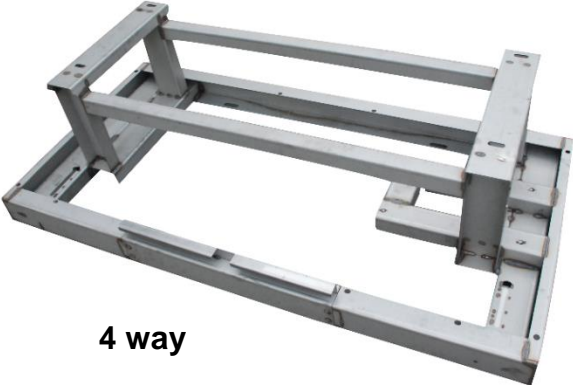
Base(Epoxy PAD 3~4 way)



4 way



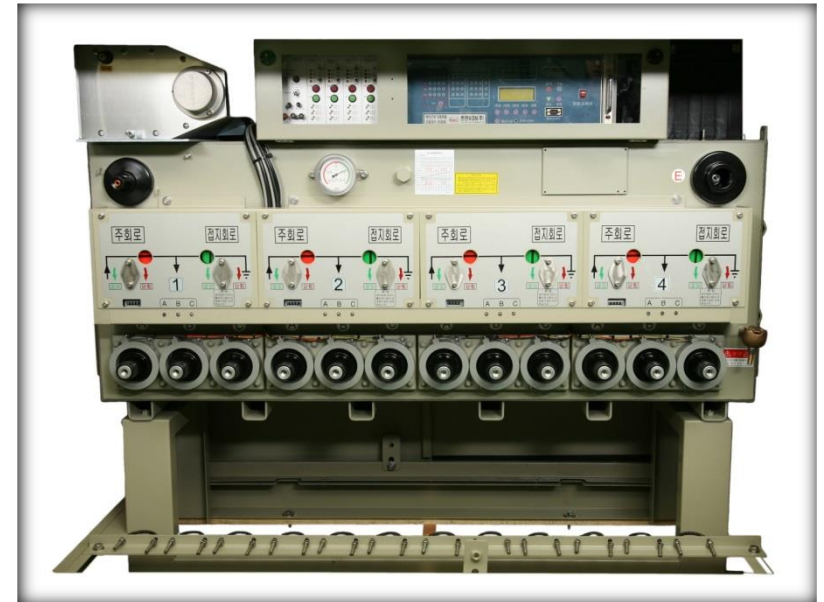
3 way



4 way



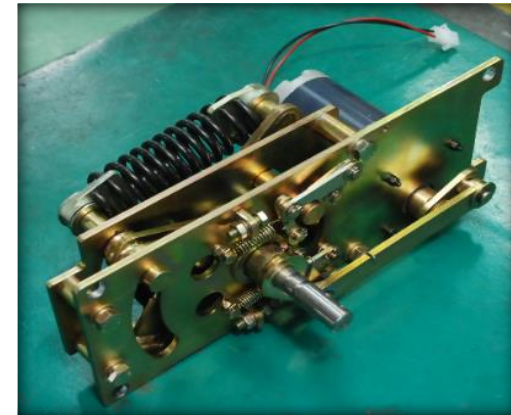
SF₆ Gas Type LBS (Underground)
25.8kV, 600A, 12.5kA, 60Hz
3~4 ways



Main Body



**Epoxy Mold LBS
(Overhead/ECO-LBS)
25.8kV, 630A, 12.5kA, 60Hz**



Patent No.10-1148171

**Main Body, Motorized and
Non-Motorized Mechanism,
etc.**

Tank(ECO)



Cover



Control Cabinet (PGS,ECO,REC)



Inside



Front



**Main Body, Mechanism,
etc.**

SF₆ Gas LBS : Terminal Type
12~36kV, 400/630A
16kA, 50/60Hz



Main Body, Mechanism, etc.

SF₆ Gas LBS : Mold Cone Type
12~36kV, 400/630A
16kA, 50/60Hz

Tanks(PGS, ECO, REC)



Top cover



Product-4



**SF₆ Gas LBS (PGS) : Silicon / Terminal Type
15kV, 630A 12.5kA, 50Hz**

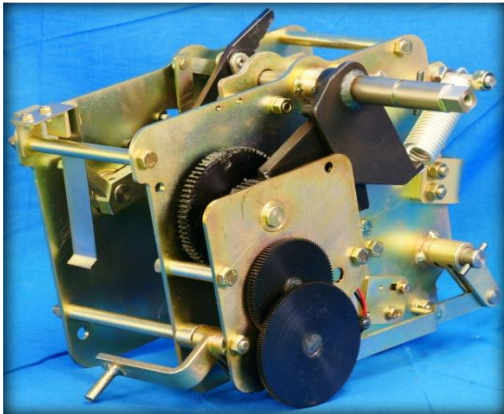
Product-4



**SF₆ Gas LBS (PGS) : Porcelain / Mold cone Type
24kV, 630A, 12.5kA, 50Hz**



SF₆ Gas ASS
25.8kV, 400A
12.5kA, 60Hz



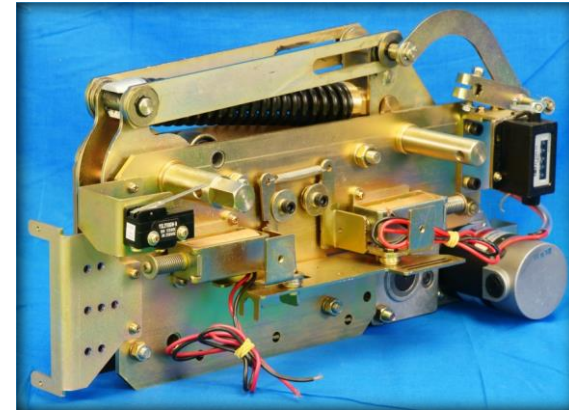
Main body, Mechanism, etc.



Puffer Ass'y



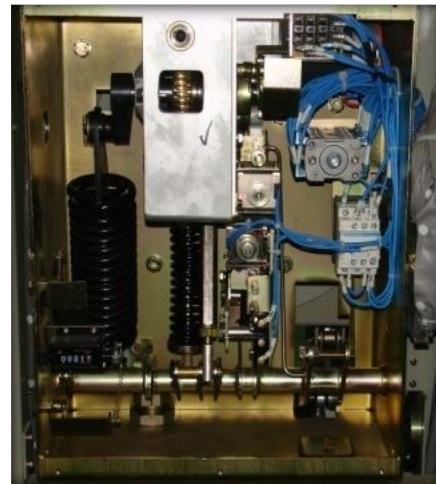
ALTS
25.8kV, 630A
12.5kA, 60Hz



Main body, Mechanism, etc.



GIS
25.8kV, 630/2000 A
25kA, 60Hz



CB, DS(3-Position) Mechanism, etc.





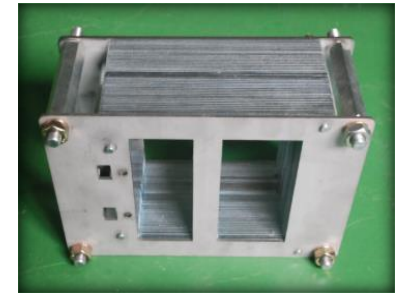
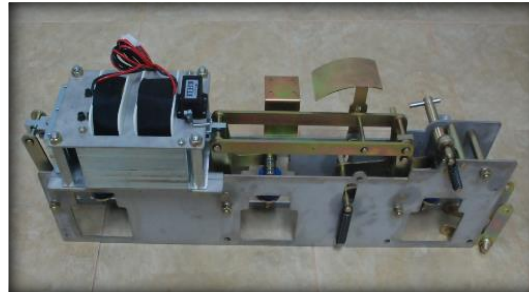
RMU
12~24kV, 630A
12.5~20kA, 50Hz



Main Body, CB, Main Circuit and Earthing Shaft, etc.

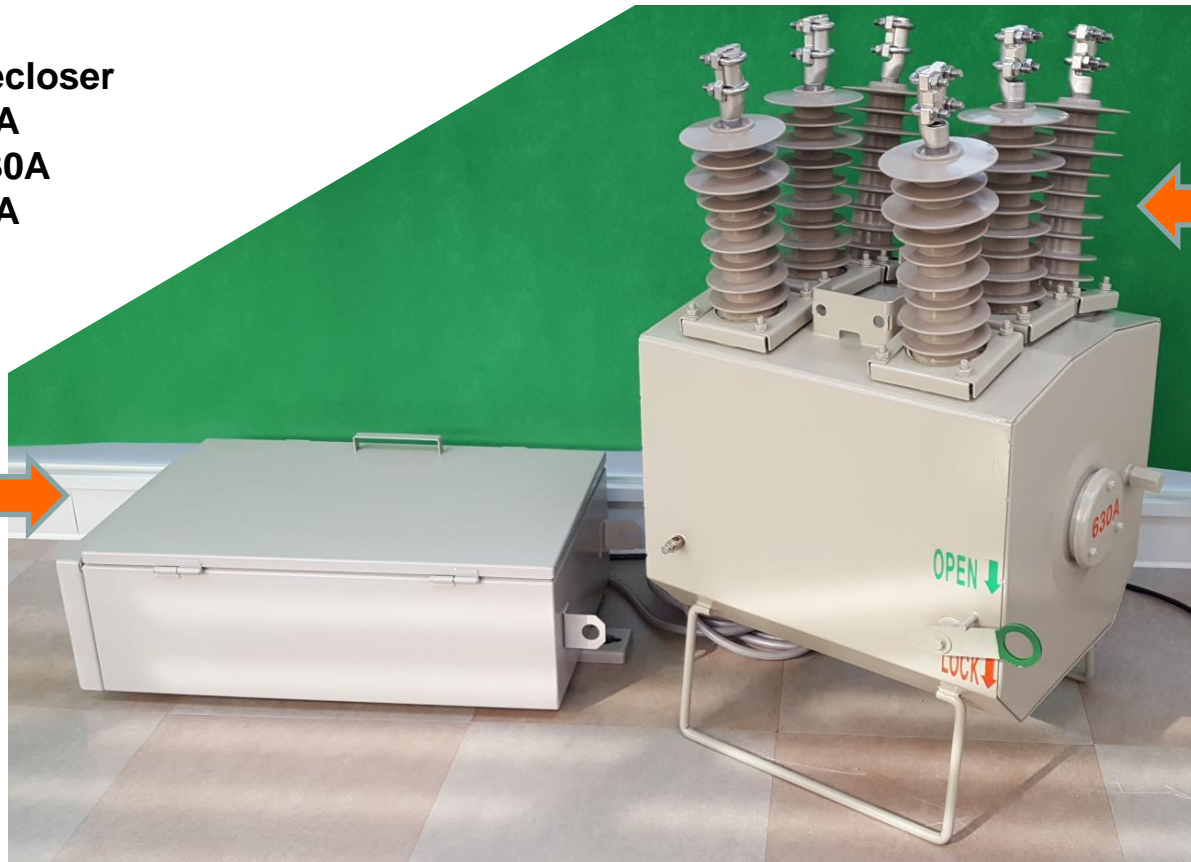


**Polymer Recloser
25.8kV, 630A, 12.5kA, 60Hz**



PMA and Frame, etc.

SF₆ Gas Recloser
- 15kV, 630A
- 25.8kV, 630A
- 38kV, 630A



Product-11



Item	Spec
Rated Voltage	25.8kV
Rated Current	200A
Rated Close Current	32.5kA(peak), 5 times
Short Time Current	12.5kA(rms), 1s
Impulse	125kV(1.2×50 μ s)
Power Frequency	40kV(1m)
Voltage Withstand	78kV(15 m)
Partial Discharge Disappearance Voltage	19kV
Weight	55kg

**25.8kV SF6 Gas LBS
(Non Powering Off)**

1. Laser Cutting Machine



**TRUMPF 5kW
(TruLaser 3030)**



**H.K 4kW
(FL 3015)**

2. Bending Machine



INWANG 130ton



AMADA 35ton

3. Machining Center and CNC Lathe



Machining Center



CNC Lathe



ROBO Drill (Tapping)

4. Coating Line (Powder)



Spray Booth

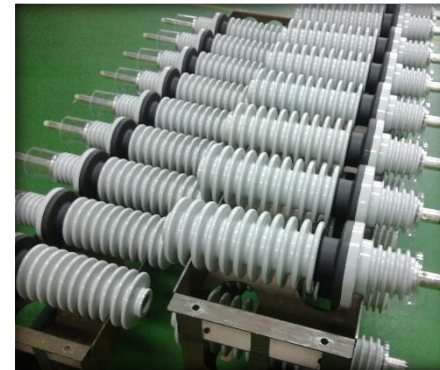


Heat Drying

(Liquid)



5. Mold Cone Bonding



Bushing



Mold Cone

6. Mold Cone Drying



BOX OVEN(1600W x 2000H x 2500D)



Graphite Dry



Inside

7. Press and Welding



**DC TIG
Welding
500A : 8 set**



**DC TIG
Welding
300A : 5 set**



**AC/DC
Welding
505AD : 2 set**



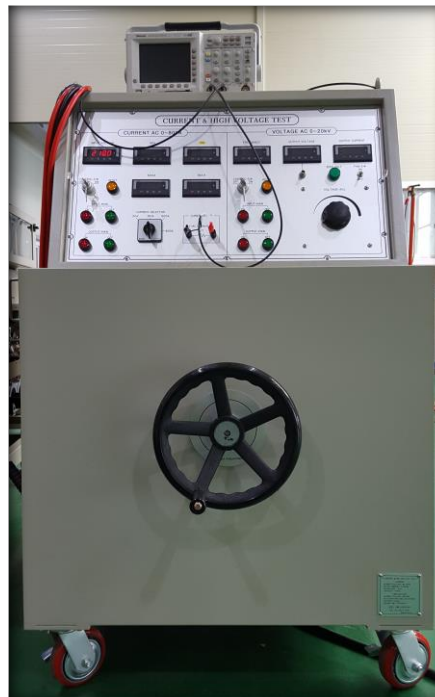
**CO2 Welding
350CP : 5 set**

CS Press(Samsung 150ton)

8. Testing Facility



**Voltage Withstand
(75kV 300mA 22.5kVA)**



**Current & High Voltage Tester
(800A 7V 5.6kVA / 20kV 2kVA)**



**Single Phase Current Generator
(800A 10V 8kVA)**

8. Testing Facility



Impulse & Adjustment



Partial Discharge Tester

8. Testing Facility



Circuit Breaker Analyzer



Circuit Breaker Analyzer



**SF6 Leak Detector
(Q-200)**



**Hardness Tester
(Rockwell)**







SF6 Multi Analyzer





**Multi Channel Recorder
(40CH)**



References

No.	End User	Buyer	Item	Date Supplied
1	KEPCO		Motorized and non-motorized mechanism for Overhead LBS	2009.07
2	KEPCO		Motorized and non-motorized mechanism for Underground LBS	2009.10
3	Taiwan Power Company (TPC)		RMU CB and other parts	2009.12
4	KEPCO		Recloser mechanism	2011.03
5	Syrian Utility(PEDEEE)		RMU CB	2010.10
6	Taiwan Power Company (TPC)		RMU CB and other parts	2011.12
7	KEPCO		Epoxy Mold LBS(Underground)	2013.03
8	KEPCO		VCB	2011.07
9	KEPCO		SF6 Gas LBS(Underground), etc.	2013.04
10	Indonesian Utility (PLN)		SF6 Gas LBS(Overhead / PGS)	2015.09



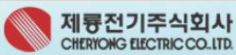

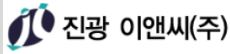
References

No.	End User	Buyer	Item	Date Supplied
11	KEPCO		Epoxy Mold LBS(Underground)	2012.11
12	KEPCO		Epoxy Mold LBS(Overhead/Eco-LBS)	2013.12
13	KORAIL		KORAIL type LBS	2015.11
14	KEPCO		SF ₆ Gas LBS(Underground)	2017.03
15	KEPCO		Recloser	2011.03
16	KEPCO		SF ₆ Gas LBS for Overhead	2011.06
17	Overseas power agency		SF ₆ Gas LBS(Overhead / PGS)	2017.03


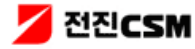





References

No.	End User	Buyer	Item	Date Supplied
18	KEPCO		SF ₆ Gas LBS for Overhead	2011.06
19	KEPCO		Epoxy Mold LBS(Overhead/Eco-LBS)	2012.07
20	KEPCO		VCB	2012.10
21	KEPCO		SF ₆ Gas LBS(Underground)	2015.03
22	Overseas power agency		Recloser	2015.07
23	KEPCO		Recloser	2016.02
24	KEPCO			SF ₆ Gas ASS
25	KEPCO	SF ₆ Gas LBS for Overhead		2011.09
26	KEPCO	Epoxy Mold LBS(Overhead/Eco-LBS)		2017.05

References

No.	End User	Buyer	Item	Date Supplied
27	KEPCO		SF6 Gas LBS for Overhead	2012.04
28	KEPCO		SF6 Gas LBS for Underground	2012.05
29	KEPCO		Epoxy Mold LBS(Overhead/Eco-LBS)	2014.06
30	KEPCO		DS(3 position) mechanism	2014.10
31	KEPCO		Epoxy Mold LBS(Overhead/Eco-LBS)	2014.11
32	KEPCO		DS(3 position) mechanism	2015.01
33	Overseas power agency		SF6 Gas LBS for Overhead, etc.	2015.05
34	Overseas power agency		Reclose, etc.	2015.05
35	Overseas power agency		SF6 Gas LBS for Underground	2015.05

References

No.	End User	Buyer	Item	Date Supplied
36	KEPCO		SF6 Gas LBS for Underground	2015.09
37	KEPCO		Epoxy Mold LBS(Overhead/Eco-LBS)	2016.01
38	KEPCO		SF6 Gas LBS(Non powering off)	2016.11
39	KEPCO		Epoxy Mold LBS(Underground)	2015.08
40	KEPCO		Epoxy Mold LBS(Overhead/Eco-LBS)	2016.04
41	KEPCO		SF6 Gas LBS for Underground	2017.12
42	KEPCO		Epoxy Mold LBS(Overhead/Eco-LBS)	2018.06
43	KEPCO		SF6 Gas LBS for Underground	2018.01
44	INDIA (INE)		SF6 Gas Recloser	2018.03
45	THAILAND (PEA)		SF6 Gas LBS for Overhead	2018.07

ISO Certificates



GERMAN CERT

Quality Management System Certificate

Delcoco Co., Ltd.

#301 Mado-ro, Mado-myeon, Hwasong-si, Gyeonggi-do, Korea

German Cert Co., Ltd. Hereby certifies that the Quality Management System of the above organization has been evaluated and found to be in line with the requirements of the following standard:

ISO 9001:2015

For the scope of

Design, Development, Manufacture, Installation and Service of Electric Switchgear, Gas Insulated Switchgear (Underground Line, Overhead Line)

Certificate Number : **KorQ-142993**

Initial Certification Date : 20 April 2012
 GC Certification Date : 05 April 2019
 Certification Expiry Date : 09 June 2022

GERMAN CERT

QUALITY MANAGEMENT SYSTEM


Daek Wook Ki

Scheme Manager






10F, Jeongwori Bldg, Yeouido-dong, Euihwa-ro 29, Yeongdeungpo-gu, Seoul, 07238, Korea
 This certificate is a sole property of GERMAN CERT and therefore shall be returned to it upon its request. (Rev.6)



GERMAN CERT

Environmental Management System Certificate

Delcoco Co., Ltd.

#301 Mado-ro, Mado-myeon, Hwaseong-si, Gyeonggi-do, Korea

German Cert Co., Ltd. Hereby certifies that the Environmental Management System of the above organization has been evaluated and found to be in line with the requirements of the following standard:

ISO 14001:2015

For the scope of

Design, Development, Manufacture and Installation of Electric Switchgear, Gas Insulated Switchgear (Underground Line, Overhead Line)

Certificate Number : **KorE-145083**


Initial Certification Date : 20 April 2012
 GC Certification Date : 05 April 2019
 Certification Expiry Date : 09 June 2022


GERMAN CERT

ENVIRONMENTAL MANAGEMENT SYSTEM


Daek Wook Ki

Scheme Manager



10F, Jeongwori Bldg, Yeouido-dong, Euihwa-ro 29, Yeongdeungpo-gu, Seoul, 07238, Korea
 This certificate is a sole property of GERMAN CERT and therefore shall be returned to it upon its request. (Rev.6)



CERTIFICATE OF PATENT

PATENT NUMBER	APPLICATION NUMBER	10-2011-0100076
10-1079791	FILING DATE	2011. 09. 30.
	REGISTRATION DATE	2011. 10. 28.


TITLE OF THE INVENTION
Operating mechanism for epoxy insulated load break switch

PATENTEE
Delcoco Co.,Ltd.(131411-0*****)
49, Juseok-ro 175 beon-gil, Hwaseong-si, Gyeonggi-do
455-040, Republic of Korea


INVENTOR
Kim, Young Soo
602-1905, Taehwa Apt., 393, Hyoseo-ro, Gyeong-gu,
Incheon 407-060, Republic of Korea


THIS IS TO CERTIFY THAT THE PATENT IS REGISTERED ON THE REGISTER OF THE KOREAN INTELLECTUAL PROPERTY OFFICE.

2014. 09. 19.



COMMISSIONER, THE KOREAN INTELLECTUAL PROPERTY OFFICE





CERTIFICATE OF PATENT

PATENT NUMBER	APPLICATION NUMBER	10-2011-0119692
10-1148171	FILING DATE	2011. 11. 16.
	REGISTRATION DATE	2012. 05. 15.


TITLE OF THE INVENTION
Operating mechanism for Polymer insulation switch

PATENTEE
Delcoco Co.,Ltd.(131411-0*****)
49, Juseok-ro 175 beon-gil, Hwaseong-si, Gyeonggi-do
455-040, Republic of Korea


INVENTOR
Kim, Young Soo
602-1905, Taehwa Apt., 393, Hyoseo-ro, Gyeong-gu,
Incheon 407-060, Republic of Korea

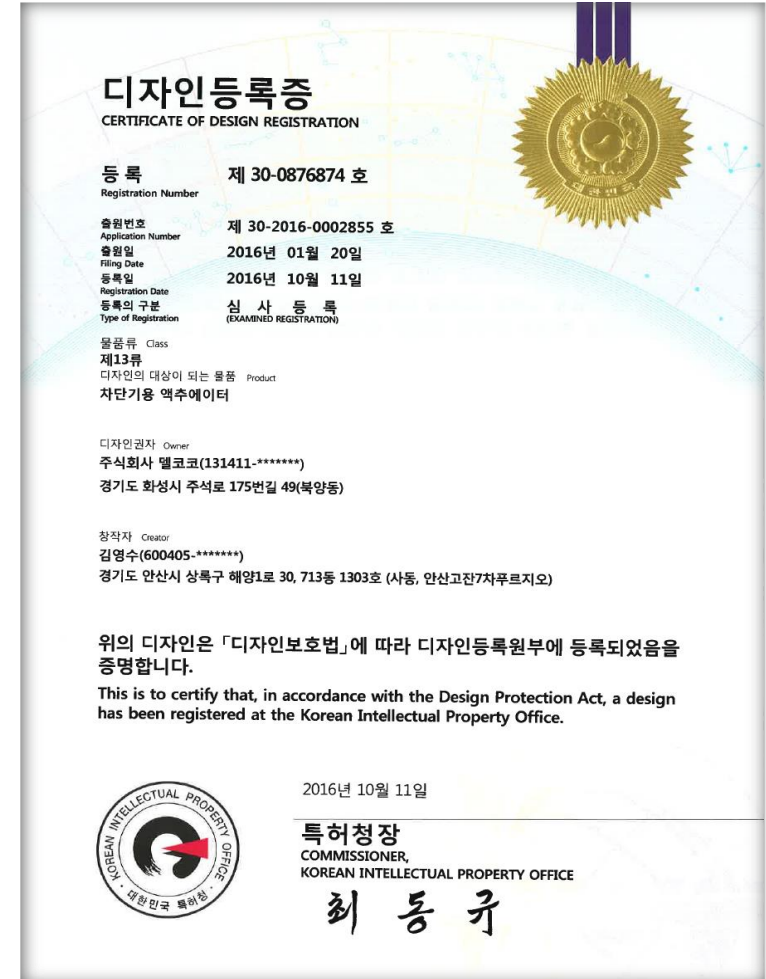
THIS IS TO CERTIFY THAT THE PATENT IS REGISTERED ON THE REGISTER OF THE KOREAN INTELLECTUAL PROPERTY OFFICE.

2014. 09. 19.



COMMISSIONER, THE KOREAN INTELLECTUAL PROPERTY OFFICE





제 20140113028 호

벤처기업확인서

업 체 명 : (주)델코코
대 표 자 : 공선우
소 재 지 : 경기도 화성시 주석로175번길 49 (북암동)
확 인 유 형 : 기술평가보증기업(기술보증기금)
평 가 기 관 : 기술보증기금
유 효 기 간 : 2014년11월19일 ~ 2016년11월18일

위 업체는 벤처기업육성에관한특별조치법 제25조의
규정에 의하여 벤처기업임을 확인합니다.

2014년 11월 19일

KIBO 기술보증기금 이사장



제 2010112345 호

기업부설연구소 인정서

1. 연 구 소 명: (주)델코코 기업부설연구소
[소속기업명: (주)델코코]
2. 소 재 지: 경기도 화성시 마도면 마도로 301
(금당리)
3. 신고 연월일: 2016년 11월 30일
(최초인정일: 2010년 8월 26일)

미래창조과학부

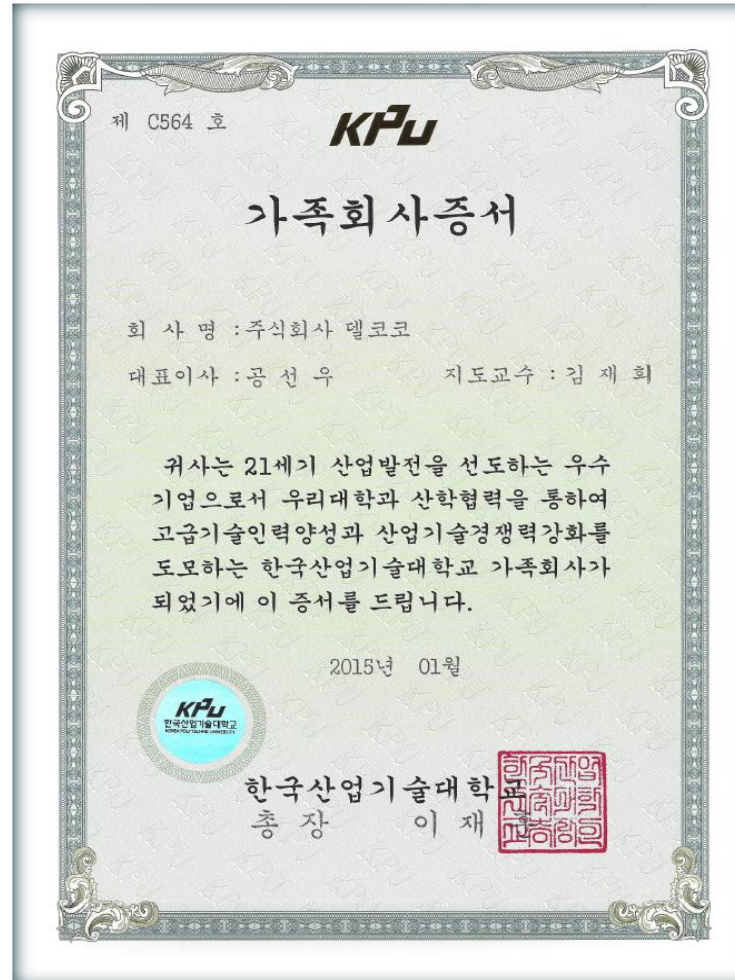
「기초연구진흥 및 기술개발지원에 관한 법률」 제14조,
같은 법 시행령 제16조제1항 및 제27조제1항에 따라 위와
같이 기업부설연구소로 인정합니다.



2016년 12월 1일

한국산업기술진흥협회장





제12395호

부품·소재전문기업확인서

업 체 명 : 주식회사 델코코 (134-86-70986)

대 표 자 : 공선우

소 재 지 : 경기도 화성시 남양읍 주석로175번길 49

유효기간 : 2014.12.18 ~ 2017.12.17

위 업체는 부품·소재전문기업등의육성에
관한특별조치법시행령 제3조제3항의 규정에
의하여 부품·소재전문기업임을 확인합니다.

2014년 12월 18일

산업통상자원부 장관



Registered with





301 Mado-ro, Mado-myeon, Hwaseong-si,
Gyeonggi-do, Korea

Tel : 031-357-3474, Fax : 031-357-2844