

About WTI

WTI, a Taiwanese company with major shareholders from EHV cable suppliers – Walsin, Tai-I and veteran executives in power industry to provide the most advanced 161/345KV cable product and system service to Taiwan power sector since 2003.

After 7 years of experience in the electrical power industry, WTI is noted for its diligent and quality service and its brand reputation is recognized by the customers in the market.

Due to the high market demand and customers need, WTI started to put up a huge investment in green energy industry and cast resin busduct in collaboration with our global partners. Starting from year 2010, WTI's two different business units with their respective products serves a wider customer network and requirement.

• Cable System Business:

With our plenty collected experience in 161/345KV substation and transmission projects, WTI would provide the most friendly and reliable smart power grid solution in PD & DTS continuous monitoring systems.

• Busduct Business:

Based on collected strong knowledge and more than 30 years' most reputed insulation know-how, our WinBus had been certified by KEMA with excellent performance. We are pleased to provide the electrical industry a best energy saving and green power trunk through our own technology and testing facilities.

2004



- 2004.11 WTI founded by Walsin Cable, Tai-I Cable and Tony Chen.
- 2004.11 Acquire 161KV cable accessories order on TPC 6th transmission and substation scheme.

2006



- 2006.06 Acquire 161KV cable accessories order on TPC 9601 scheme.

2007



- 2007.02 Award A Class Electrical Equipment Installation License.
- 2007.05 JV with Shih-Lin Electric and acquire 345/161KV cable system turnkey project of TPC Wufong substation.

2008



- 2008.08 JV with Chung-Hsin Electric and acquire 345/161KV cable system turnkey project of TPC Houli substation.

2009



- 2009.09 Technology collaboration with Guascor Solar, the largest Spanish solar power plant developer.
- 2009.11 Taichung Turnkey solar power plant project MOU with YFGE and Guascor Solar.
- 2009.06 Technology collaboration with European experienced specialists for innovative casting busway.

2010



- 2010.05 Inauguration of WTI Taipei Headquarter Office.
- 2010.06 WinBus LV Cu Busduct Type Tested by KEMA institute.
- 2010.09 WinBus Factory Mass Production.

2011



- 2011.02 WinBus certified to fulfill HFLS.
- 2011.08 WinBus certified with Fire Resistance.
- 2011.09 WinBus certified to fulfill 2.2G (PGA) Seismic Test.

2013



- 2013.02 WinBus MV Busduct Type Tested by TERTEC.
- 2013.08 WinBus awarded Green Mark by Official Organization.

2014



- 2014.03 WinBus Tested to EMF complying to IEC and ICNCRP standard.
- 2014.03 WinBus Type-Tested by TAF-awarded LAB.

2015



- 2015.05 WinBus LV Aluminum Busduct Type Tested by KEMA institute.

2016



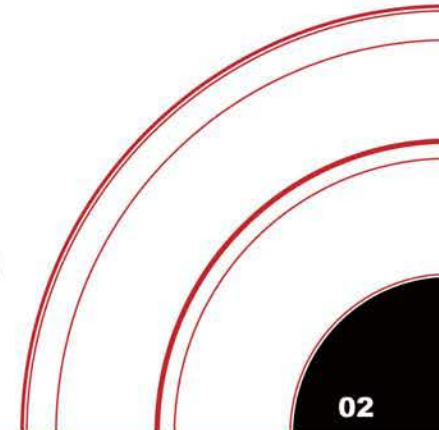
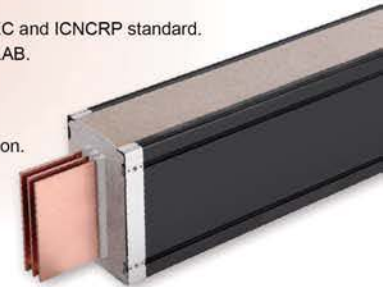
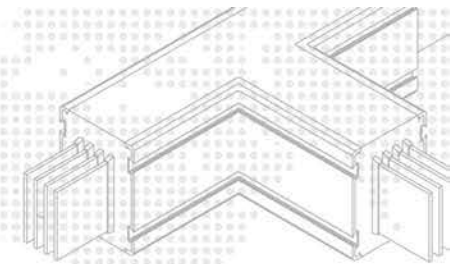
- 2016.07 WinBus LV Busduct Type Tested to IEC60331 750oC 3hours, BS6387 950oC 3hours Fire Test.

2017



- 2017.02 WinBus tested to Aging Test for 50 years Life Time and Class F.
- 2017.04 WinBus LV Busduct IEC61439-6 Full Type Test.

Present



Product Feature

● IP68 Waterproof Busduct System



WinBus provides whole system, including, joint, IP68 protection against water, dust or any other foreign matters. It enables Busduct can not only be installed outdoor directly without any weather shield or canopy but also can be installed and well operated under water.

Complying IEC60529 standard, WinBus has been certified IP68 by KEMA, ASTA and IP67 by TERTEC (TAF awarded LAB)
WinBus IP68 feature guarantees never accidents and maintenance free by unique casting insulation technology.

● Fire Resistant Busduct System



WinBus natural rock insulation enclosing conductors provides Fire-Resistance, Self-extinguish, resistance to flame propagation. Besides complying IEC61439-6, WinBus Busduct system has also been type tested to BS6387 950oC 3hours, IEC60331 750oC 3hours and CNS14286 840oC 30min(Equivalent to JIS C 8364 & JIS A 1304).

● Seismic Protection



WinBus Busduct system has been type tested to 2.2g PGA (Peak Ground Acceleration), equivalent to 7.0 Richter (magnitude), by 3rd independent testing authority.

Complying IEC62262 standard, WinBus has been certified IK10 mechanical impact by KEMA. Natural Rock Insulation enclosing conductors constructs WinBus Busduct system structure. It enables WinBus Busduct system confront earthquake or high impact with power energization.

● Green Product Certificate



WinBus not only provides emergency power during fire conditions but also fulfills HFLS (Halogen Free and Low Smoke) tested by independent testing authority. This feature guarantees no poisonous gas or no fatal smoke from burned Busduct system.

Aluminum Housing on WinBus also radiates and dissipates heat very fast to effectively decrease conductor temperature and thus reduce resistance and power loss. Combining these technology contributes WinBus Busduct system awarded Green Mark, Environmentally preferable Product, by Official Organization.

● EMF Compliance



Besides 100% Earthing purpose, aluminum housing also encapsulates EMF inside Busduct itself. WinBus Busduct system has been type tested to fulfill IEC60439-2 and ICNIRP EMF by independent TAF & CE-awarded Institute.

● Maintenance Free



By On-Site Casting technology, WinBus Busduct system is unique and renowned to the maintenance Free, no requirement for future examination or repair. Thus, it also saves lots of maintenance fee for end user.

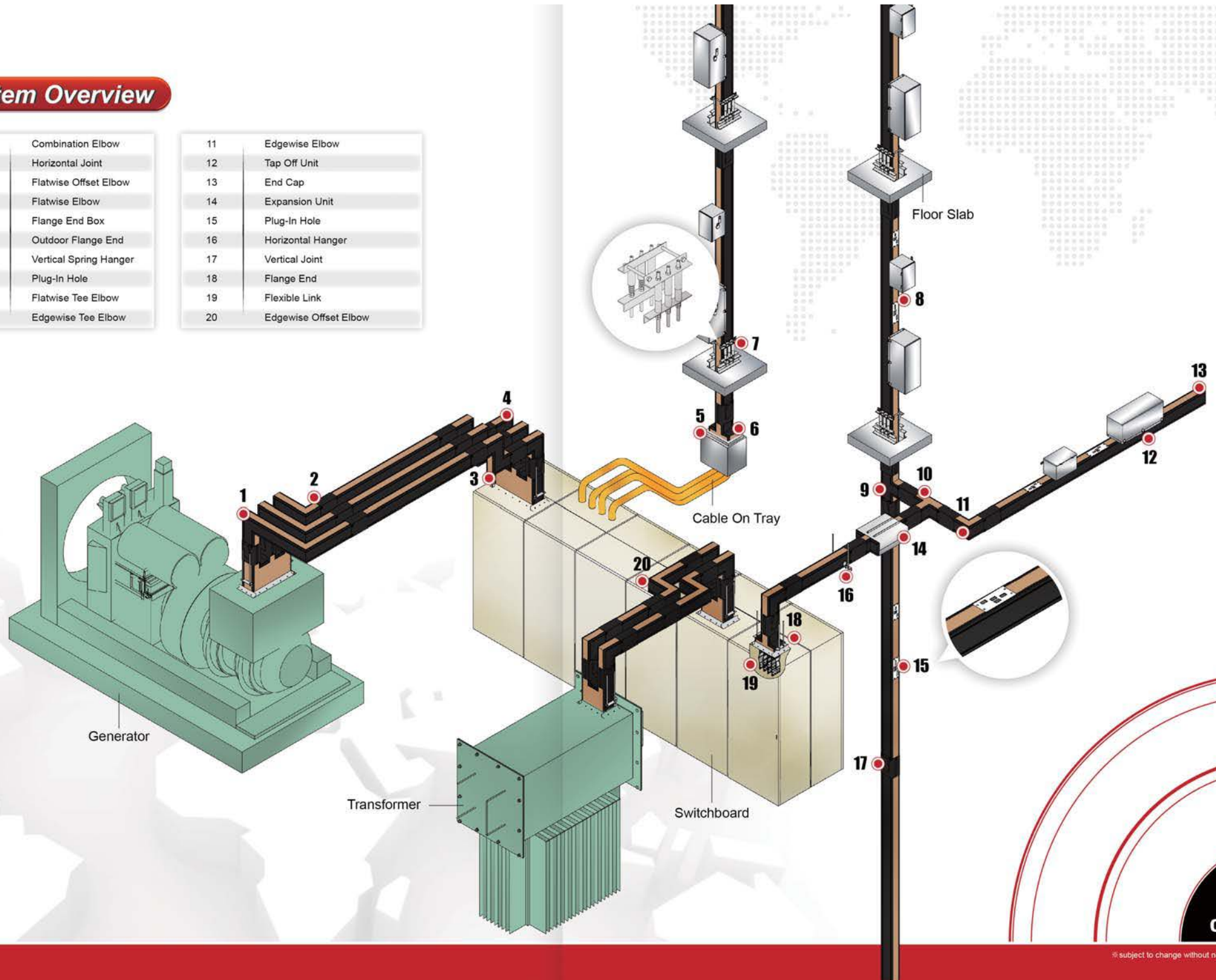
● Chemical Resistance



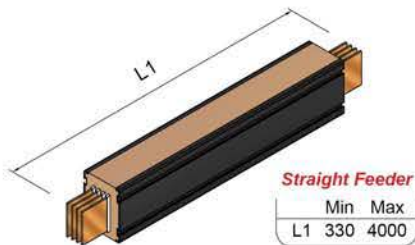
WinBus Insulation Material (WIM) has been carried out tests at supplier's laboratories to prove good results to acids or corrosive materials, such as Hydrochloric acid (10%), Liquid combustibles(petrol, oil,...), Ammonium hydroxide (10%), etc.

System Overview

1	Combination Elbow	11	Edgewise Elbow
2	Horizontal Joint	12	Tap Off Unit
3	Flatwise Offset Elbow	13	End Cap
4	Flatwise Elbow	14	Expansion Unit
5	Flange End Box	15	Plug-In Hole
6	Outdoor Flange End	16	Horizontal Hanger
7	Vertical Spring Hanger	17	Vertical Joint
8	Plug-In Hole	18	Flange End
9	Flatwise Tee Elbow	19	Flexible Link
10	Edgewise Tee Elbow	20	Edgewise Offset Elbow

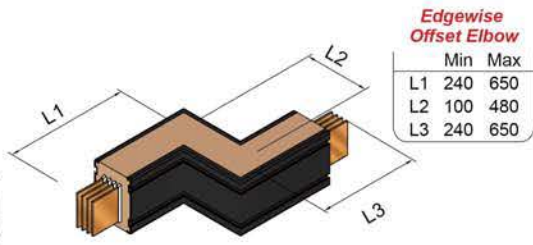


Busduct Assemblies



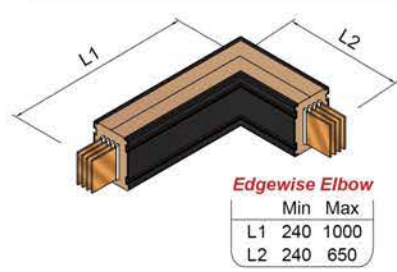
Straight Feeder

	Min	Max
L1	330	4000



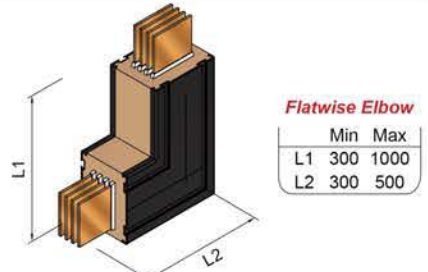
Edgewise Offset Elbow

	Min	Max
L1	240	650
L2	100	480
L3	240	650



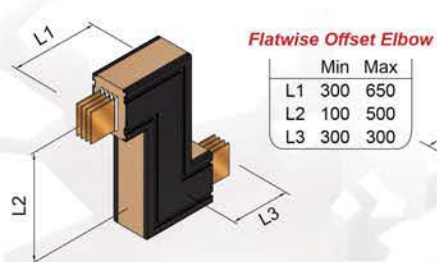
Edgewise Elbow

	Min	Max
L1	240	1000
L2	240	650



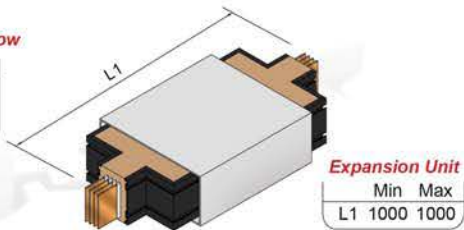
Flatwise Elbow

	Min	Max
L1	300	1000
L2	300	500



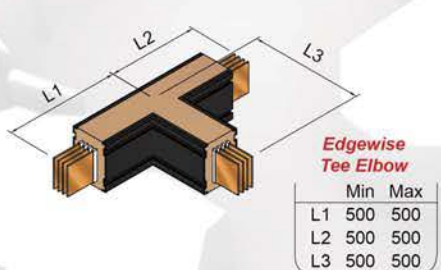
Flatwise Offset Elbow

	Min	Max
L1	300	650
L2	100	500
L3	300	300



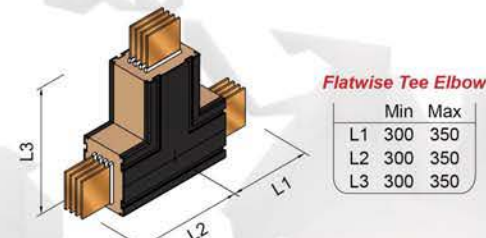
Expansion Unit

	Min	Max
L1	1000	1000



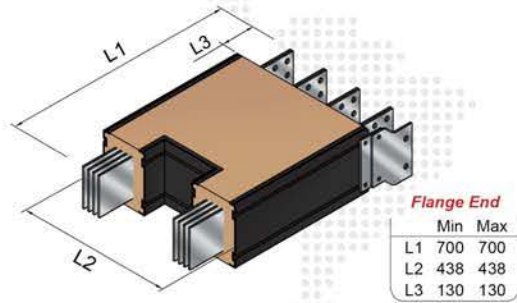
Edgewise Tee Elbow

	Min	Max
L1	500	500
L2	500	500
L3	500	500



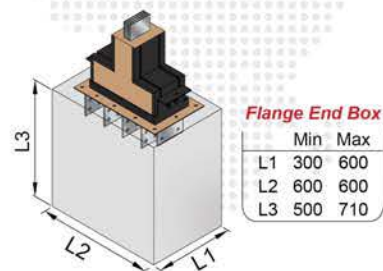
Flatwise Tee Elbow

	Min	Max
L1	300	350
L2	300	350
L3	300	350



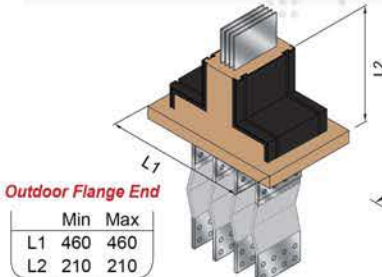
Flange End

	Min	Max
L1	700	700
L2	438	438
L3	130	130



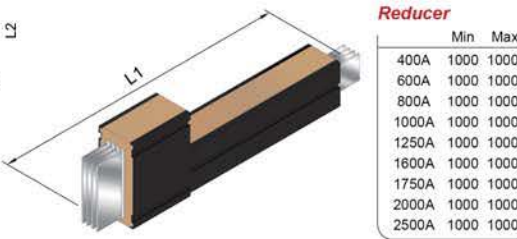
Flange End Box

	Min	Max
L1	300	600
L2	600	600
L3	500	710



Outdoor Flange End

	Min	Max
L1	460	460
L2	210	210



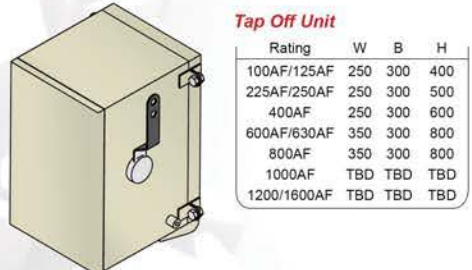
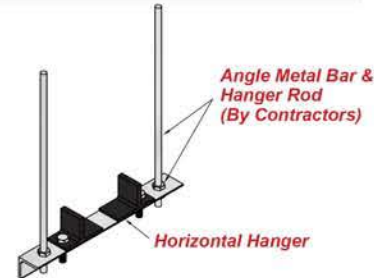
Reducer

	Min	Max
400A	1000	1000
600A	1000	1000
800A	1000	1000
1000A	1000	1000
1250A	1000	1000
1600A	1000	1000
1750A	1000	1000
2000A	1000	1000
2500A	1000	1000



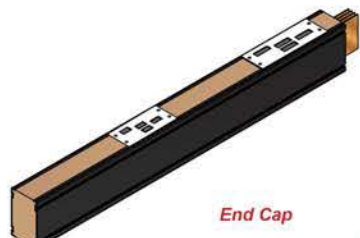
Vertical Spring Hanger

	Min	Max
L1	390	390
L2	185	365
L3	224	244



Tap Off Unit

Rating	W	B	H
100AF/125AF	250	300	400
225AF/250AF	250	300	500
400AF	250	300	600
600AF/630AF	350	300	800
800AF	350	300	800
1000AF	TBD	TBD	TBD
1200/1600AF	TBD	TBD	TBD



Catalogue Numbering System

W LC 400 — 3P — ST

WTI

Busbar material:

LC=Low Voltage Copper Busduct
LA=Low Voltage Aluminum Busduct
MC=Medium Voltage Busduct

Ampere Rating:

400=Single Duct 400A
630=Single Duct 630A
800=Single Duct 800A
1000=Single Duct 1000A
1250=Single Duct 1250A
1500=Single Duct 1500A
1600=Single Duct 1600A
1750=Single Duct 1750A
2000=Single Duct 2000A
2250=Single Duct 2250A
2500=Single Duct 2500A
2750=Single Duct 2750A
3000=Double Duct 3000A
3200=Double Duct 3200A
3500=Double Duct 3500A
4000=Double Duct 4000A
4500=Double Duct 4500A
5000=Double Duct 5000A
5500=Double Duct 5500A
6000=Triple Duct 6000A
6750=Triple Duct 6750A

Configuration:

3P=3 Phase, 3 Wire c/w housing ground
3PG=3 Phase, 3 Wire c/w 50% integral earth bar
3PGF=3 Phase, 3 Wire c/w 100% integral earth bar
4P=3 Phase, 4 Wire c/w housing ground
4PG=3 Phase, 4 Wire c/w 50% integral earth bar
4PGF=3 Phase, 4 Wire c/w 100% integral earth bar

ST=Straight Feeder
PL=Plug-In Feeder
BH=Edgewise Elbow
BV=Flatwise Elbow
ZH=Edgewise Offset Elbow
ZV=Flatwise Offset Elbow
FE=Flange End
FL=Outdoor Flange End
TH= Edgewise Tee Elbow
TV=Flatwise Tee Elbow
EX=Expansion Unit
TF=Reducer
JT=Joint
SH=Vertical Spring Hanger
NPL=End Cap
FEB=Flange End Box
PC = Phase Transposition

Technical Data-Low voltage

● Serie WLC - IEC.61439-6 60Hz 1000V

Type	3 - 5 cond	6 - 10 cond	9 -15 cond	In	In	Icc	Icc	Z	R	X	Total weight (kg/m)
	W x H (mm)	W x H (mm)	W x H (mm)	norm (A)	60Hz (A)	1sec (kA)	0.1sec (kA)	uΩ	uΩ	uΩ	
Single Layer											
WLC400	118 x 80			400	450	16	51	256.5	223.5	129.5	20.7
WLC630	118 x 100			630	635	16	51	140.9	111.7	85.9	27.2
WLC800	118 x 100			800	816	35	111	105.5	83.8	64.2	28.4
WLC1000	138 x 120			1000	1120	35	111	73.5	55.8	48.2	35.8
WLC1250	138 x 140			1250	1270	50	159	56.8	41.9	38.9	42.8
WLC1500	138 x 180			1500	1500	60	206	44.6	30.4	33.9	50.3
WLC1600	138 x 180			1600	1660	60	206	39.7	27.9	29.1	57.1
WLC1750	138 x 180			1750	1770	60	206	35.6	22.3	27.8	68.8
WLC2000	138 x 220			2000	2050	85	269	32.0	21.0	25.4	71.1
WLC2250	138 x 220			2250	2261	85	269	27.5	17.3	22.9	78.3
WLC2500	138 x 260			2500	2620	85	269	23.1	14.9	18.7	91.3
WLC2750	138 x 260			2750	2770	85	269	22.0	13.4	17.5	103.2
Double Layer											
WLC3000		438 x 180		3000	3000	100	317	22.2	15.2	16.8	100.6
WLC3200		438 x 180		3200	3250	100	317	20.6	14.0	15.8	114.2
WLC3500		438 x 180		3500	3500	100	317	18.5	11.2	14.7	137.6
WLC4000		438 x 220		4000	4000	135	429	15.6	10.0	12.6	142.2
WLC4500		438 x 220		4500	4500	135	429	14.7	8.7	11.9	156.6
WLC5000		438 x 260		5000	5000	145	459	12.0	7.5	10.0	182.6
WLC5500		438 x 260		5500	5500	145	459	11.7	6.7	9.6	206.4
Triple Layer											
WLC6000			738 x 220	6000	6000	165	522	10.5	7.0	8.3	213.3
WLC6750			738 x 220	6750	6750	165	522	10.5	7.0	8.3	234.9

Technical Data-Low voltage

● Serie WLA - IEC.61439-6 60Hz 1000V

Type	3 - 5 cond	6 - 10 cond	9 -15 cond	In	In	Icc	Icc	Z	R	X	Total weight (kg/m)
	W x H (mm)	W x H (mm)	W x H (mm)	norm (A)	60Hz (A)	1sec (kA)	0.1sec (kA)	uΩ	uΩ	uΩ	
Single Layer											
WLA400	98 x 80			400	450	16	51	232.0	215.5	85.9	16.2
WLA630	98 x 100			630	635	16	51	125.5	107.8	64.2	20.4
WLA800	98 x 120			800	816	35	111	86.5	71.8	48.2	24.7
WLA1000	98 x 140			1000	1120	35	111	66.5	53.9	38.9	28.9
WLA1350	98 x 180			1350	1350	50	159	49.4	35.9	33.9	37.4
WLA1500	98 x 210			1500	1520	60	206	40.9	28.7	29.1	43.7
WLA1600	98 x 220			1600	1660	60	206	37.0	26.9	25.4	45.9
WLA1750	98 x 240			1750	1750	60	206	34.0	23.9	24.1	50.1
WLA2000	98 x 260			2000	2050	85	269	31.4	21.6	22.9	54.3
WLA2250	98 x 260			2250	2261	85	269	25.9	17.9	18.7	54.9
WLA2500	98 x 335			2500	2500	85	269	21.4	15.6	14.6	70.2
Double Layer											
WLA3000		358 x 210		3000	3000	100	317	22.1	14.3	16.8	87.4
WLA3200		358 x 220		3200	3250	100	317	20.8	13.4	15.8	91.8
WLA4000		358 x 260		4000	4000	135	429	16.6	10.7	12.6	108.6
WLA5000		358 x 335		5000	5000	145	459	12.7	7.8	10.0	140.4
Triple Layer											
WLA6000			618 x 260	6000	6000	165	522	11.0	7.1	8.3	162.9

Technical Data-Copper

Descriptions	Specifications / Standards	Descriptions	Specifications / Standards
Manufacturer	WTI Co.	Country Of Manufacture	Taiwan
Brand	WTI WinBus	Model	WLC
Type	Cast Resin	Compliance Standards	IEC 61439-1 & 60439-2
Type Test Authority	KEMA	Rated Current	225A - 6750A
Rated Operating Voltage	1000V	Frequency	50 / 60Hz
Type Of Grounding	Housing Ground	Grounding Capacity	Minimum 100% IACS
Degree Of Protection	IP68	Ambient temperature	-45°C~65°C avg. 35°C
Standard Busduct Length	4000mm (Maximum)	Insulation Resistance	3GΩ or 3000MΩ at DC 500V
Conductor Material	Copper (Purity:>99.98%, Conductivity:>99% IACS) Aluminum (Conductivity : > 60%IACS)	Weight Of Busduct	To Be Determined By Each Busduct Rating
Power Frequency Voltage Withstand	AC 5kV / 1Min	Short-Circuit Rating	To Be Determined By Each Busduct Rating
Cross-Section Of Phase Conductor	To Be Determined By Each Busduct Rating	Cross-section Of Neutral Conductor	To Be Determined By Each Busduct Rating
Busduct Housing :		Mounting Method :	
<ul style="list-style-type: none"> Materials Finishes Paint Housing Thickness 	Extruded Aluminum Alloy Powder Coated Black 3mm	<ul style="list-style-type: none"> Vertical Installation Horizontal Installation 	Vertical Spring Hanger & Vertical Hanger Hanger Bracket
Tap-Off Units:		Busduct Joint Section :	
<ul style="list-style-type: none"> Brand Of MCCB MCCB Rating Number Of Pole Breaking Capacity Shunt Trip Housing Thickness Degree Of Protection 	Schneider MCCB, Shih-Lin MCCB or Equal 100AF-1600AF 3 30kA-70kA Yes 1.5mm IP54	<ul style="list-style-type: none"> Type / Method Of Joint Type Of Joint Bolt 	Naural Mineral Casting Insulation Type With Aluminium-Alloy Profile At Both Side Of Busduct Joint Section High Tensile Bolt
System Configuration	3P3W(With Out Neutral Bar) 3P3W c/w 50% integral Earth Bar 3P3W c/w 100% integral Earth Bar 3P4W(With Neutral Bar) 3P4W c/w 50% integral Earth Bar 3P4W c/w 100% integral Earth Bar	Temperature Rise On <ul style="list-style-type: none"> External Insulated Conductor Internal Insulated Conductor External Housing Surface Max. Allowable Ambient Temperature 	Based on IEC 61439-1 & IEC 60439-2 Not Exceed 70°C above Ambient Temperature Not Exceed 105°C above Ambient Temperature Not Exceed 55°C above Ambient Temperature Not Exceed 40°C

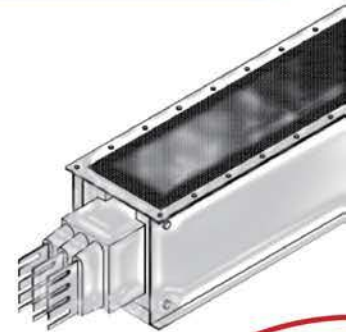
Technical Data-Aluminum

Descriptions	Specifications / Standards	Descriptions	Specifications / Standards
Manufacturer	WTI Co.	Country Of Manufacture	Taiwan
Brand	WTI WinBus	Model	WLA
Type	Cast Resin	Compliance Standards	IEC 61439-1 & 60439-6
Type Test Authority	KEMA	Rated Current	400A-6000A
Rated Operating Voltage	1000V	Frequency	50 / 60Hz
Type Of Grounding	Housing Ground	Grounding Capacity	Minimum 70% IACS
Degree Of Protection	IP68	Ambient temperature	-45°C~65°C avg. 35°C
Standard Busduct Length	4000mm (Maximum)	Insulation Resistance	3GΩ or 3000MΩ at DC 500V
Conductor Material	Aluminum (Conductivity : > 60% IACS)	Weight Of Busduct	To Be Determined By Each Busduct Rating
Power Frequency Voltage Withstand	AC 5kV / 1Min	Short-Circuit Rating	To Be Determined By Each Busduct Rating
Cross-Section Of Phase Conductor	To Be Determined By Each Busduct Rating	Cross-section Of Neutral Conductor	To Be Determined By Each Busduct Rating
Busduct Housing :		Mounting Method :	
<ul style="list-style-type: none"> Materials Finishes Paint Housing Thickness 	Extruded Aluminum Alloy Powder Coated Black 1.2mm	<ul style="list-style-type: none"> Vertical Installation Horizontal Installation 	Vertical Spring Hanger & Vertical Hanger Hanger Bracket
Tap-Off Units:		Busduct Joint Section :	
<ul style="list-style-type: none"> Brand Of MCCB MCCB Rating Number Of Pole Breaking Capacity Shunt Trip Housing Thickness Degree Of Protection 	Schneider MCCB / Shih-Lin MCCB 100AF - 1600AF 3 30kA - 70kA Yes 1.5mm IP54	<ul style="list-style-type: none"> Type / Method Of Joint Type Of Joint Bolt 	Natural Mineral Casting Insulation Type With Aluminium-Alloy Profile At Both Side Of Busduct Joint Section High Tensile Bolt
System Configuration	3P3W (With Out Neutral Bar) 3P3W c/w 50% integral Earth Bar 3P3W c/w 100% integral Earth Bar 3P4W (With Neutral Bar) 3P4W c/w 50% integral Earth Bar 3P4W c/w 100% integral Earth Bar	Temperature Rise On	Based On IEC 61439-1 & IEC 61439-6 <ul style="list-style-type: none"> External insulated Conductor Internal Insulated Conductor External Housing Surface Max. Allowable Ambient Temperature Not Exceed 70°C above Ambient Temperature Not Exceed 105°C above Ambient Temperature Not Exceed 55°C above Ambient Temperature Not Exceed 40°C

Technical Data-Medium voltage

● Serie WMC - IEC.62271-200 50/60Hz

Type	3 - 5 cond		In	Icc	Icc	Z	R	X	Total weight
	W x H		norm	1sec	0.1sec				
	(mm)		(A)	(kA)	(kA)	uΩ	uΩ	uΩ	(kg/m)
Single Layer									
WMC1000	400 x 274		1000	50	159	60.5	79.6		79.0
WMC1200	400 x 294		1200	50	159	48.7	64.0		89.0
WMC1500	400 x 334		1500	60	206	36.8	48.4		100.5
WMC1600	400 x 334		1600	60	206	30.8	40.5		109.5
WMC1750	400 x 334		1750	85	269	30.8	40.5		119.8
WMC2000	400 x 374		2000	100	317	23.2	30.5		129.8
WMC2250	400 x 290		2250	100	317	20.7	27.2		143.1
WMC2500	400 x 414		2500	100	317	18.6	24.5		147.8
WMC3000	400 x 424		3000	96	329	18.4	24.2		158.2
WMC3250	400 x 424		3250	96	329	15.4	20.2		168.5
WMC4000	400 x 434		4000	160	507	11.6	15.3		178.8
WMC5000	400 x 434		5000	160	507	9.3	12.3		223.5

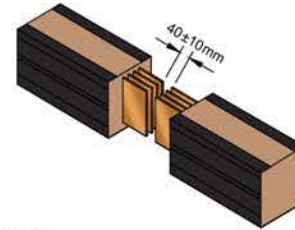


Technical Data-Aluminum

Descriptions	Specifications / Standards	Descriptions	Specifications / Standards
Manufacturer	WTI Co.	Country Of Manufacture	Taiwan
Brand	WTI WinBus	Model	WMC
Type	Cast Resin	Compliance Standards	IEC 62271-1 & 62271-200
Type Test Authority	TERTEC	Rated Current	1000A-6750A
Rated Operating Voltage	12V	Frequency	50 / 60Hz
Type Of Grounding	Housing Ground	Grounding Capacity	Minimum 100% IACS
Degree Of Protection	IP67	Ambient temperature	-45°C~65°C avg. 35°C
Standard Busduct Length	4000mm (Maximum)	Insulation Resistance	2GΩ or 2000MΩ at DC 1000V
Conductor Material	Copper (Purity: >99.98%, Conductivity: >99% IACS) Aluminum (Conductivity: > 60% IACS)	Weight Of Busduct	To Be Determined By Each Busduct Rating
Power Frequency Voltage Withstand	AC 28KV / 1Min	Short-Circuit Rating	To Be Determined By Each Busduct Rating
Cross-Section Of Phase Conductor	To Be Determined By Each Busduct Rating	Cross-section Of Neutral Conductor	To Be Determined By Each Busduct Rating
Busduct Housing :		Mounting Method :	
<ul style="list-style-type: none"> Materials Paint Housing Thickness 	Extruded Aluminum Alloy Silver 5mm	<ul style="list-style-type: none"> Vertical Installation Horizontal Installation 	Vertical Spring Hanger & Vertical Hanger Hanger Bracket
Tap-Off Units:		Busduct Joint Section :	
<ul style="list-style-type: none"> Brand Of MCCB MCCB Rating Number Of Pole Breaking Capacity Shunt Trip Housing Thickness Degree Of Protection 	Schneider MCCB / Shih-Lin MCCB 100AF - 1600AF 3 30kA - 70kA Yes 1.5mm IP54	<ul style="list-style-type: none"> Type / Method Of Joint Type Of Joint Bolt 	Naural Mineral Casting Insulation Type With Aluminium-Alloy Profile At Both Side Of Busduct Joint Section High Tensile Bolt
System Configuration	3P3W (With Out Neutral Bar) 3P3W c/w 50% integral Earth Bar 3P3W c/w 100% integral Earth Bar 3P4W (With Neutral Bar) 3P4W c/w 50% integral Earth Bar 3P4W c/w 100% integral Earth Bar	Temperature Rise On <ul style="list-style-type: none"> External insulated Conductor Internal Insulated Conductor External Housing Surface Max. Allowable Ambient Temperature 	Based On IEC 62271-1 & IEC 62271-200 Not Exceed 65°C above Ambient Temperature Not Exceed 90°C above Ambient Temperature Not Exceed 40°C above Ambient Temperature Not Exceed 40°C

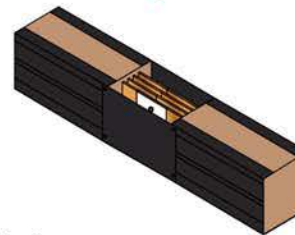
Installation instruction

Flatwise Joint Installation pictures:

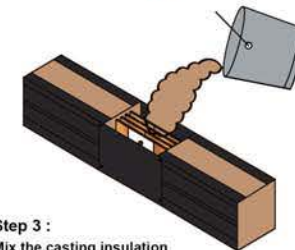


Step 1 :
Locate the busduct feeders to be connected at job site. As-built drawing is referred at all time.

Note:
Distance between both busduct feeders is 40mm±10mm.

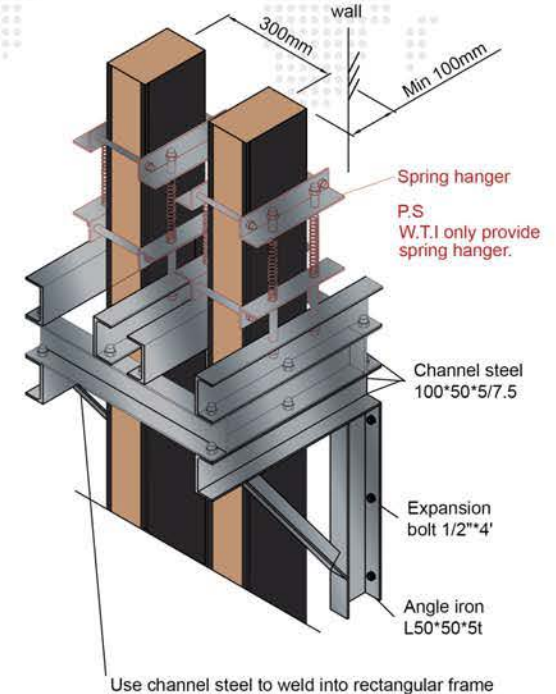


Step 2 :
Connect both ends of busduct feeder by means of the joint stack and joint bolt. Afterwards, install the joint junction box to the connected busduct feeders.



Step 3 :
Mix the casting insulation material and fully fill the joint section.

Note:
Connection resistance test, insulation resistance test and phase sequence test are recommended before pouring the casting insulation into the joint section.

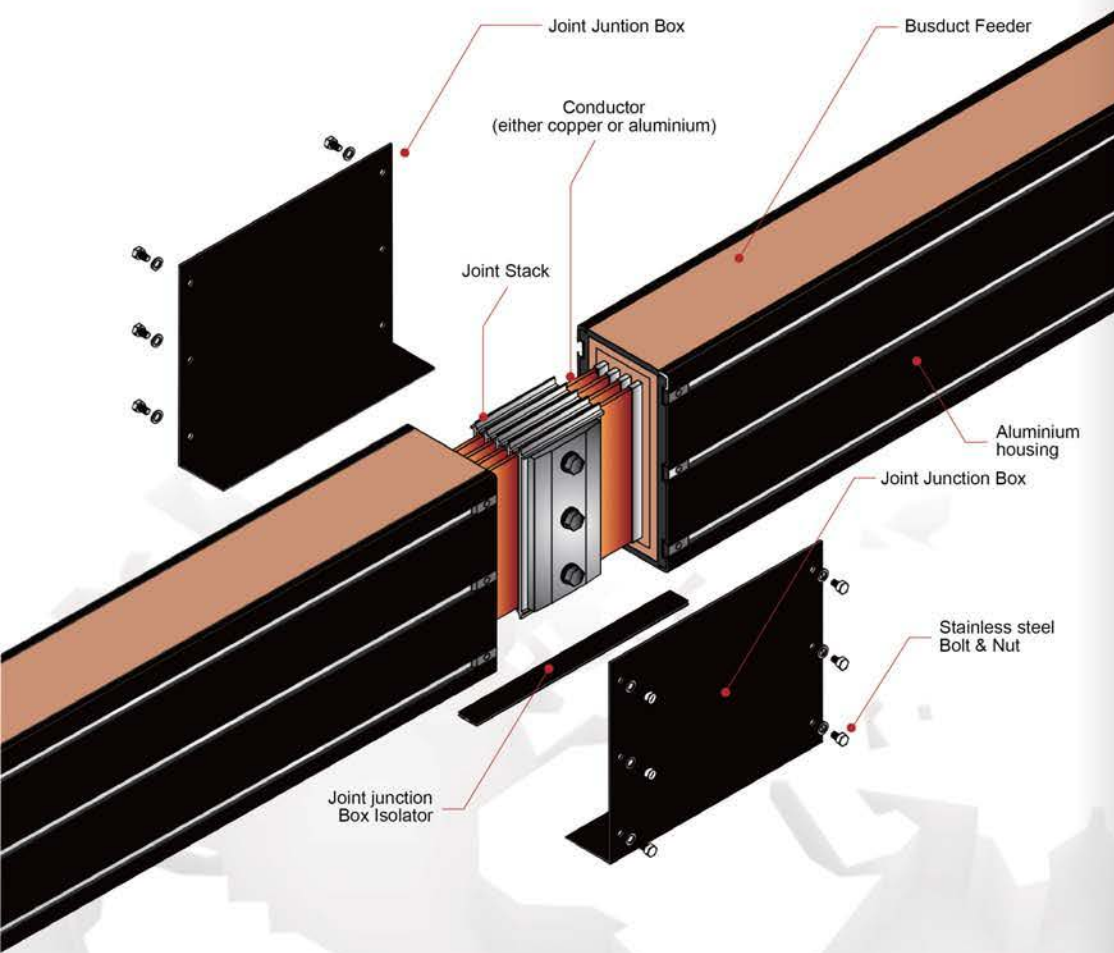


Step 4 :
Before the curing process, clear the bubble on the surface of the casting insulation.

Note:
Curing process will usually take 4-6 hours.

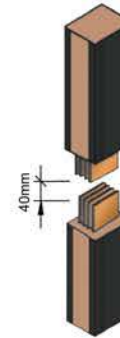
Installation instruction

Busduct Joint Section



Installation instruction

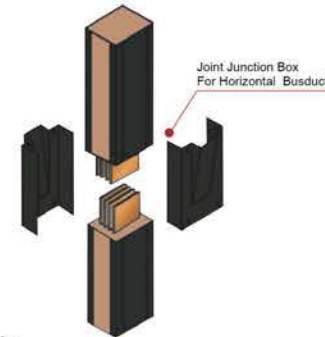
Busduct Joint Section (Vertically - Installed)



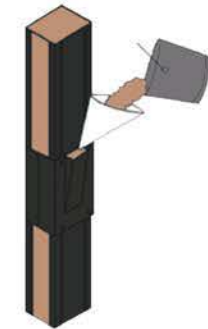
Step 1 :
 Locate the busduct feeders to be connected at job site. As-built drawing is referred at all time.
 Note:
 Distance between both busduct feeders is 40mm±10mm.



Step 4 :
 Before the curing process, clear the bubble on the surface of the casting insulation.
 Note:
 Curing process will usually take 4-6 hours.



Step 2 :
 Connect both ends of busduct feeder by means of the joint stack and joint bolt. Afterwards, install the joint junction box to the connected busduct feeders.



Step 3 :
 Mix the casting insulation material and fully fill up the joint section.
 Note:
 Connection resistance test, insulation resistance test and phase sequence test are recommended before pouring the casting insulation into the joint section.

Project Reference

Data Center

Owner	Project name	Location
1-Net Singapore Pte Ltd	1-Net Data Center	Singapore
Farglory Group	Far-Glory Finance Center	Taiwan
Chung-hua Telecom	Cloud Computing Data Center	Taiwan
Foxconn	Foxconn 4G-Data Center	Taiwan
Asia Pacific Telecom	Asia Pacific Telecom Data Center	Taiwan

Factory

Owner	Project name	Location
Panasonic	Panasonic Zhoghe Factory	Taiwan
Pou Chen	PouChen Group Vietnam Factory(NIKE)	Vietnam
Panasonic	Panasonic Vietnam Branch Hanoi Factory	Vietnam
General Shoesinc	General Shoes Factory	Vietnam

Infrastructure

Owner	Project name	Location
Mahasarakam University	Mahasarakam Hospital and Medical School	Thailand
University Mataram	University Mataram	Indonesia
Indonesia Government	Technology Ministry Tower	Indonesia
Civil Aeronautics Administration	Tao-Yuan Airport Terminal 1	Taiwan
Taiwan Railways Administration	Kaohsiung Underground Railway	Taiwan
Indoneisa Government	Mahkamah Agung	Indonesia

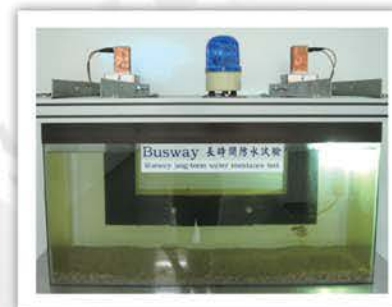
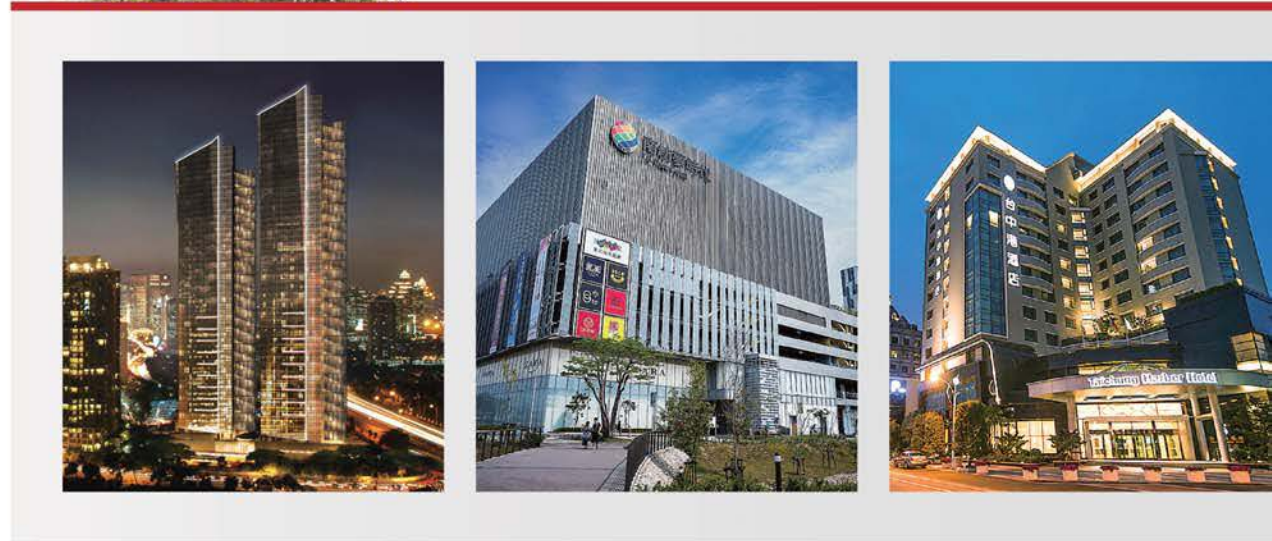
Power Plant & Substation

Owner	Project name	Location
Taiwan Power Company	Hydro Power Plant District 1-3	Taiwan
Taiwan Power Company	Sendo EHV substation	Taiwan
Taiwan Power Company	HCPV Solar Power Plant	Taiwan

Commercial Building

Owner	Project name	Location
Jurong Town Corporation	JTC Aviation 2 at Seletar Aerospace Park	Singapore
PT. Puri Matahari	Puri Matahari Tower	Indonesia
Mitsui	Mitsui Outlet Park	Taiwan
Tainan Spinning	Uni-President Group Tainan Dream Mall	Taiwan
Taichung City Government	TaiChung New City Hall	Taiwan
Haiwan International	TaiChung Harbor Hotel	Taiwan
PT Griyaceria Nusamekar	GCNM Apartment	Indonesia

※ Consult WTI for other more project reference...



Since 2011
IP68

Safe Energization against continuous immersion in water

Type Testing & Certification

KEMA Type Test



KEMA Type Test
KEMA short time withstand current



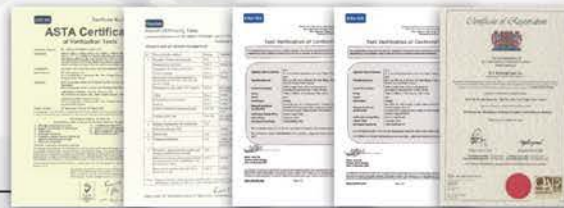
Seismic Protection Certificate
Taiwan Fireproof Equipment Certificate
Fire Resistance Test Report



EMF Test Report
Fire Resistance Test Report
Environmental Preferable Product Certificate



ASTA Certificate
ASTA Test Report
BS6387 Certification
IEC60331-21 Certification
ISO 9001 Certificate



LV Cu Busduct



LV Alu Busduct



MV Busduct



PD Monitoring System