



PRISMASeT

PrismaSeT 4000 International
Offer presentation

A low-angle, upward-looking photograph of several modern skyscrapers with glass facades, creating a sense of height and architectural scale. The buildings are dark and reflective, with some windows showing interior lights. A semi-transparent green horizontal band is overlaid across the middle of the image.

PrismaSeT International – What's new ?

What is PrismaSeT International?

A new generation of Prisma switchboards with new design & increased robustness

Prisma iPM



PrismaSeT International



PrismaSeT 630
International
Wall-Mounted



PrismaSeT 630
International
Floor Standing



PrismaSeT 4000
International

3 models to respond to all your needs

PrismaSeT International

Modern. Robust. Sustainable

- Green signature Schneider Electric™ design
- Structured paint – Color RAL9003
- New ergonomic door handle
- New transparent glassdoor

Increased customer satisfaction with innovative design and new features



Life Is On

Schneider
Electric

PrismaSeT International

- New design – get switchboards out of the basement

Schneider Electric™
signature green bar
(color Pantone 355c)

New white color for
switchboard
(color RAL9003)



Schneider
Electric

Life Is On

Schneider
Electric

PrismaSeT International

New handle: ergonomic, robust and stylish

New handle

- Robust design
- Solid lever gripping
- New key manipulation to unlock handle

All functions are made independent

- Keyhole to lock and unlock handle
- Push button to extract door lever. Possible without the key in the lock
- Handle is made of a lever that rotates to open the doors. Potentially possible to remove it



Interchangeable
with current door
handle without
altering the door

PrismaSeT International

New references



- Easier to understand, meaningful references
- Updated descriptions

Sheet Metal parts

Doors, Frame, Panels, Glandplates

Offer	Code	Type	Code	Busbar material	Code	Functional Unit	Code	IP	Code
PrismaSeT Intl	P	Floor standing	F	Copper	C	Door	D	30	1
		Wall mounted	W	Aluminium	A	Frame	F	31	2
		Common	X	Common	X	Gland plates	G	30/31	3
						Panel	P	42	4
								54	5
								42/54	6
								NA	X

Height/type	Code	Width	Code	Depth	Code	Thickness	Code	Suffix	Code
2000mm	H2	200	W2	400	D4	1.5mm	1	Busway Adaptor box	B
NA	HX	300	W3	600	D6	2mm	2	Fan	F
Side bracket**	SD	400	W4	730	D7	NA	0	Hood	H
Coupling bracket**	CP	600	W6	800	D8			L shape*	L
Corner bracket**	CR	800	W8	400+200	42			Longitudinal**	L
Cross-Member**	CM	400+200	42	NA	DX			Non-significant	A
36M*	36	600+200	62					Plain	P
	NA		WX					Rear	R
								Seismic	S
								Spare Parts***	S
								Transparent	T
								Upright	U

* Panels only

**Frame only

***Doors only

PrismaSeT 4000 International

New references for PrismaSeT 4000



Standard green banners

New green banners are delivered under the following references :

Width	Reference
W300 - Plain	PFXCSGPLW300X
W400 - Plain	PFXCSGPLW400X
W400 – With QRcode	PFXCSGQRW400X
W600 – With QRcode	PFXCSGQRW600X
W800 – With QRcode	PFXCSGQRW800X



Safety and Reliability Guarantee

IEC61439-1,-2

Safety is not a chance...
...it is a **must!**



Risks we should never underestimate

- Dusseldorf Airport Germany.
- Fire involving PVC-insulated cables.
- 17 dead and 62 injured
Airport closed completely for 3 days.
- Two months to restore normal activity.

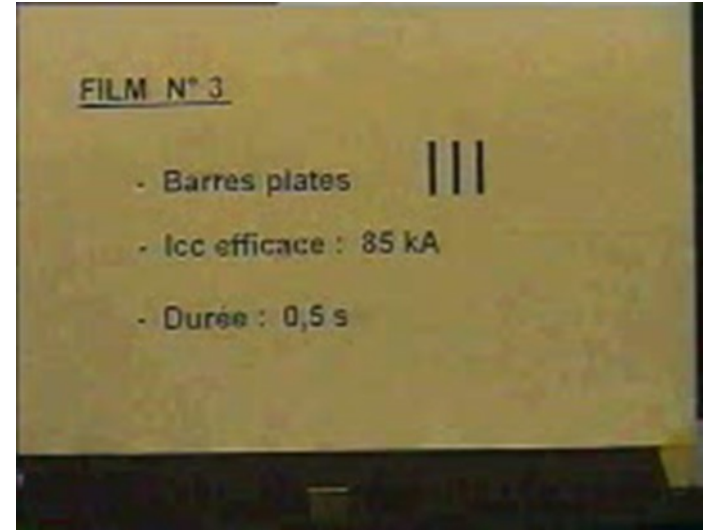
Choose **PrismaSeT International** to prevent the risks



Risks we should never underestimate

- The system should be carefully designed and validated by certified test in a credible 3rd party lab.

Choose **PrismaSeT International** to prevent the risks



Copper busbar system is “dancing” and broken under short circuit test

Kinds of risks

Choose **PrismaSeT International** to prevent the **losses**

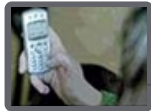
> Cost of downtime ... per hour!



Semiconductor wafer manufacturer = 3,200,00 €



Credit card transaction system = 2,100,000 €



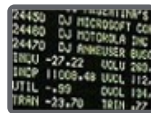
Mobile telephone network = 34,000 €



Airline reservation system = 75,000 €



Water treatment plant = 3.200.00 €



Stock exchange = 5,500,000 €

What about your business?

Some Success Stories

1.



Thailand - MRT Pink and yellow line – 756 enclosures = 6.25 M€



Thailand - Thai Oil Clean Fuel Project – 324 enclosures = 2.68 M€



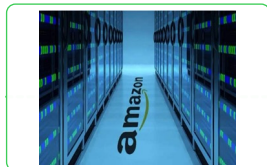
Egypt - Suez Medical City = 1.3 M€



Egypt – Sohag Surgical Center for Pediatrics = 1.05 M€



China - Tianjin hotel– 900 enclosures = 350 k€



Indonesia - Amazon Web Services Data Center – 114 enclosures = 46 k€

Life Is On

Schneider
Electric

Customer's needs

Choose **PrismaSeT International** to prevent the **requirements**



For safety

- Voltage stress withstand capability.
- Current-carrying capability.
- Short-circuit withstand capability.
- Protection against electric shock.
- Protection against fire or explosion hazard.



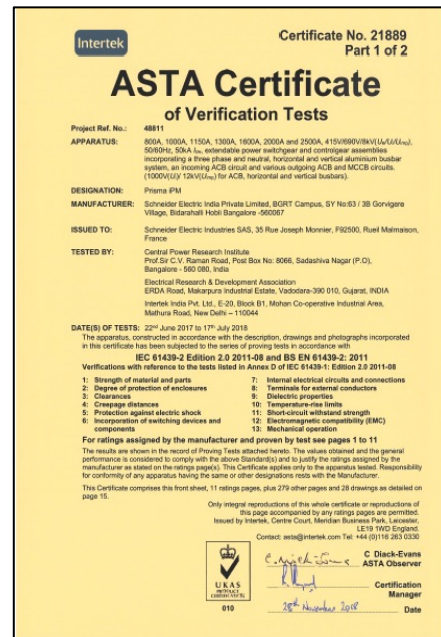
For continuity of service

- Maintenance and modification capability.
- Electro-magnetic compatibility.



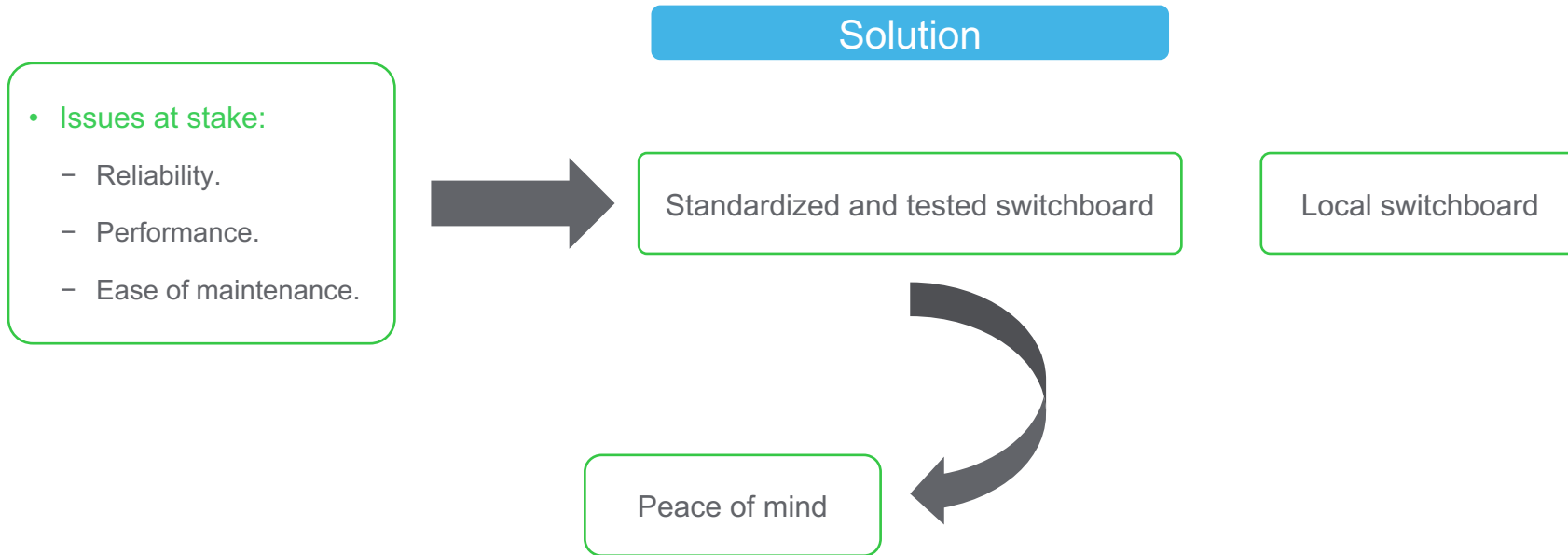
For compliance with end-user requirements

- Capability to operate the electrical installation.
- Capability to be installed on site.
- Protection of the assembly against environmental conditions.



The factors make the difference

Choose **PrismaSeT** International for your
peace of mind



NEW IEC standard enhanced safety and reliability

– Full mandatory end 2014

IEC 60439

~~Type Tested Assemblies~~

~~Partially Type Tested Assemblies~~

- TTA:

- 7 type tests on the design.
- 3 routine tests on the realization of each panel.

- PTTA:

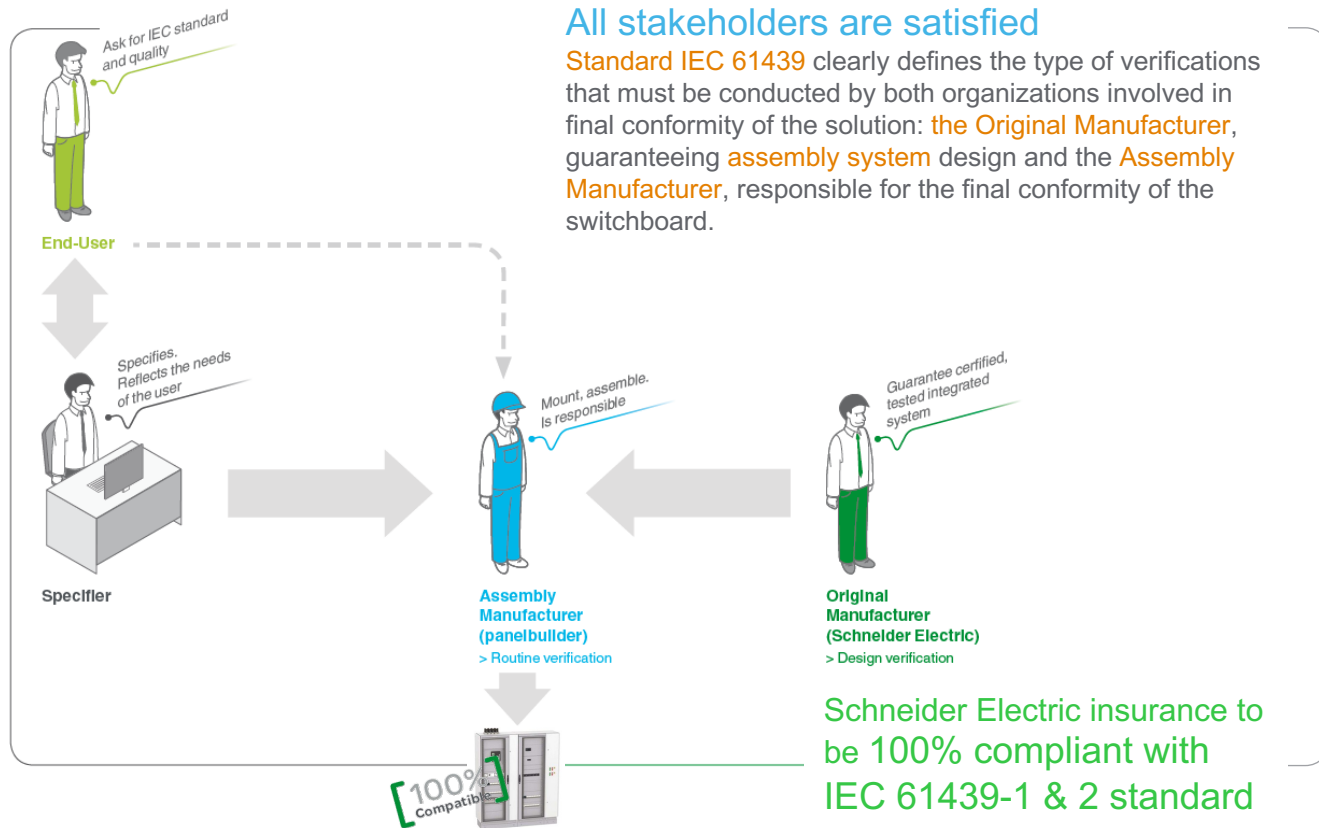
- Calculations not clearly defined to justify not to do some type-tests.
- 3 same routine tests.

IEC 61439

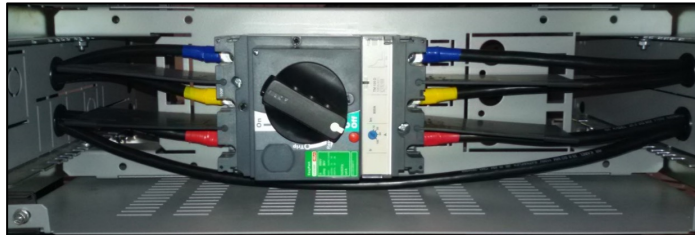
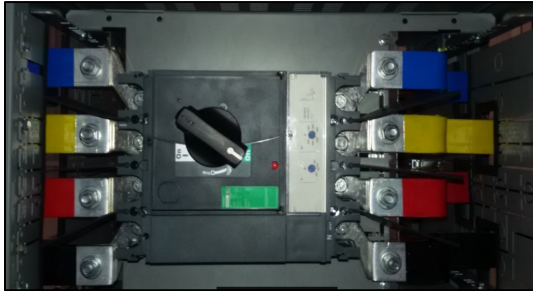
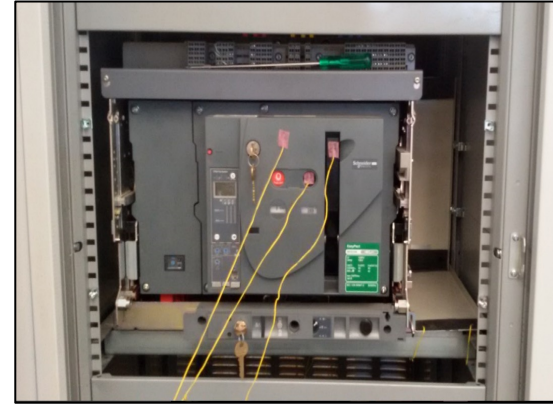
CERTIFIED
Assemblies

- 12 design verifications and more strict
 - Mainly type-tests under more crucial condition.
 - Or possibility for only some of the verifications under clear and strict conditions to do.
 - Comparison with a tested reference design (Design rules).
 - Calculations including safety margins.
- 9 Routine verifications
 - Same approach of TTA, while with 9 tests instead of 3.

PrismaSeT 4000, 100% compliant with standards



PrismaSeT 4000 : Complete validation and certification complaint with IEC 61439



PrismaSeT 4000 & IEC 61439: an international influence

- PrismaSeT International is complying with the IEC 61439-1 standard: an international dimension.



A woman with blonde hair, wearing a dark jacket and a red and blue patterned scarf, is smiling and looking down at a white smartphone in her hands. She is wearing large gold hoop earrings. The background is a blurred outdoor setting with other people and buildings.

Offer Introduction

Present and future... PrismaSeT 4000 International



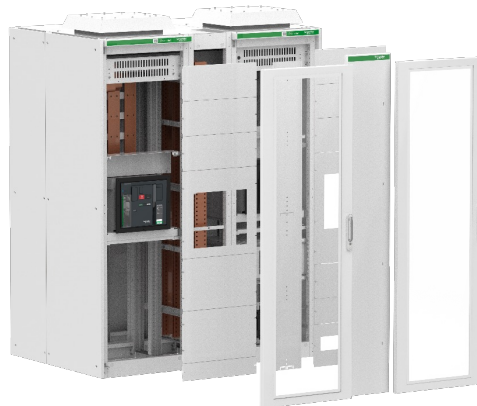
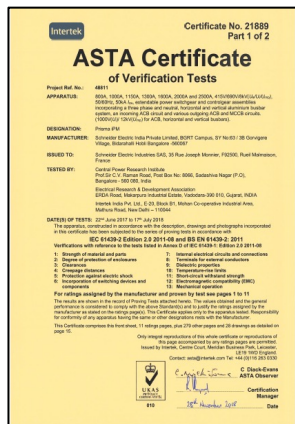
- As a market leader in Europe with more than 4,000,000 enclosures / cubicles sell over the years.
- Schneider-Electric proposes a new range of LV Panels dedicated for countries outside of Europe based on 30 years of experience.



 Type-tested under IEC 61439 certified by a 3rd party – ASTA.

 **Functional** optimized with Schneider electric devices.

 Pre-manufactured KIT product.



Functional PrismaSeT 4000 International

100% tested and compatible with Schneider Electric products

- Who knows Schneider Electric devices better?



PrismaSeT
International !

- Optimized position and space
- Optimized electrical connection and performance
- Complete solution certified



Pre-manufactured PrismaSeT 4000 International

A KIT mode panel offer

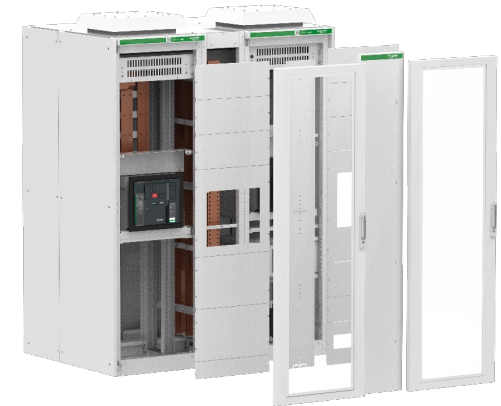
- A pre-manufactured LV panel system
 - Panels delivered in a sum of components ready to be assembled
- Optimized LV Panel system
 - Total less than 200 commercial parts to fulfill all customer needs
- KIT> Optimization for transportation and stocking
 - Flat packaging is made in order to minimize the volume



Pre-manufactured PrismaSeT 4000 International

Revolutionary KIT LV Panel System

- Provide new access to PnB's to IEC61439 certified market
- To provide a Schneider-guaranteed and ASTA-certified LV panel solution
 - Qualified and certified, high quality LV panel system.
 - A differentiation offer.
- No need to invest in machines and resources
 - No need for high machine investment.
 - No need for design experts.
 - Focus on high added value business.



PrismaSeT International - Solution overview – Copper offer

630 A
25 kA / 1s

4000 A
85 kA / 1s

PrismaSeT 630 International

Wall-mounted enclosures



PAK

IP30, 31, 40
Height: 4 M/8 M/12 M/
16 M / 20 M /24 M
Width: 600 mm
Depth: 235 mm
Association: N/A



Full kit wall mounted

IP30, 31, 40, 54
Height: 4 M/8 M/12 M/16 M/
20 M/24M
Width: 600 /300 mm
Depth: 235 mm
Association: side/side,
top/bottom



Full kit floor standing

IP30, 31, 40, 54
Height: 28 M/32 M
Width: 600 mm /300 mm
Depth: 305 mm
Association: side/side

PrismaSeT 4000 International

Floor-standing cubicles

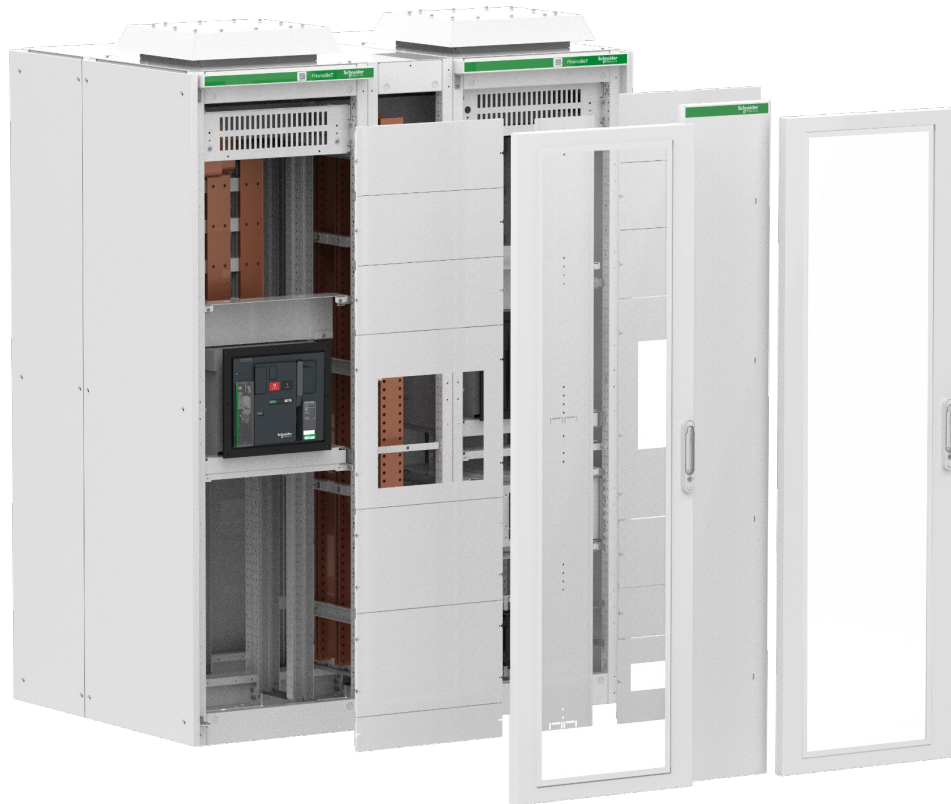


IP42, 54
Height: 2000mm
Width: 300/600/600+200/800 mm
Depth: 400/600/ 800/ 1000 mm
Association: side/side, back/back

>1 M = 50mm vertical height<

Main characteristics

- Electrical characteristics:
 - $U_e = 415V$
 - $I_e = 4000A$
 - $I_{cw} = 100^* kA/1s$ with Linergy busbars, $85kA/1s$ with flat copper busbars
 - $U_i = 1000 V$
 - $I_{pk} = 220 kA$
- Protection:
 - IP 30/31/43/54
 - IK07, IK08, IK10
 - Forms 1,2, 3, 4
- Usable Height: 36 modules (1800mm)
- Fixed, plug-in and withdrawable (ACB & Com**Pact** NS only) installation



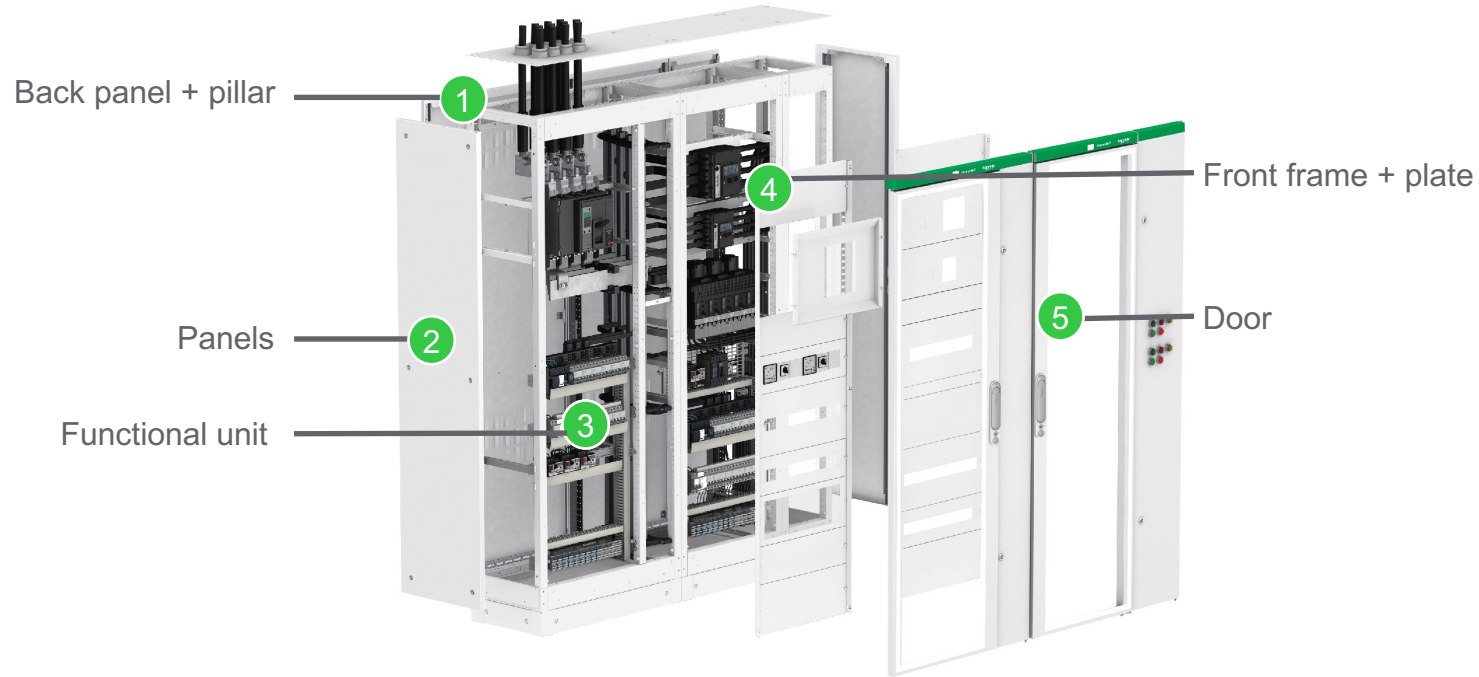
Main characteristics

- Electrical characteristics:
 - $U_e = 415V$
 - $I_e = 4000A$
 - $I_{cw} = 86kA/1s^*$
 - $U_i = 1000 V$
- Protection:
 - IP 30/31/43/54
 - IK07, IK08, IK10
 - Forms 1,2, 3, 4
- Usable Height: 36 modules (1800mm)
- Fixed, plug-in and withdrawable (ACB & ComPact NS only) installation

* 50kA / 1s upto 2500A



Standard, Modular, Prefabricated KIT panel with only 5 types of parts

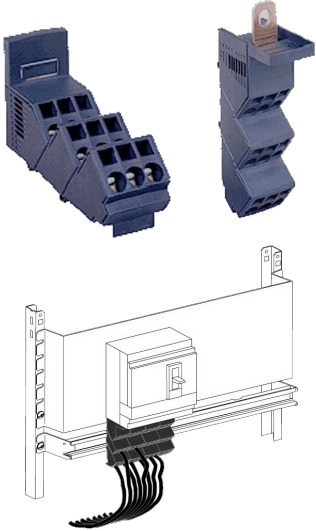


PrismaSeT International: Putting the latest technology in your hands

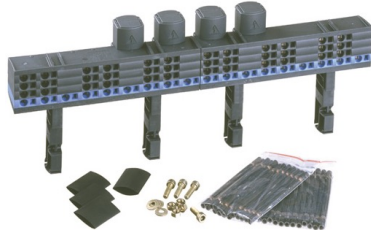
Strikingly different connection accessories

- Unmatched distribution accessories
 - Safe, simple and easy connections

Polybloc

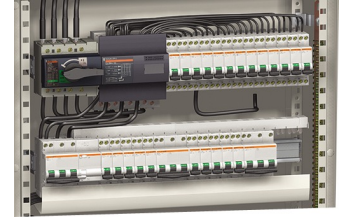


Multiclip



Multiclip Distribution Block

Distribbloc



Connections were never so simple!!!

PrismaSeT International: Putting the latest technology in your hands

Fire Hazard identification

HeatTag



What is HeatTag?

A Smart Sensor for Early Detection of Overheating wire connections or cables

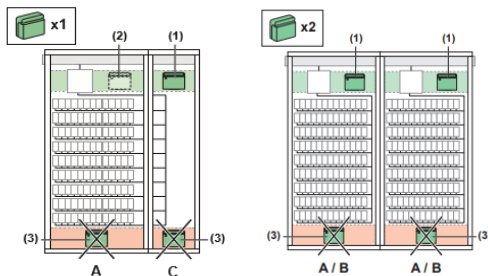
What does it do?

Analyses Gas & Particles inside the Switchboard and Sends Alarms through Zigbee

How many you need?

1xHeatTag covers: 1xSwitchboard column + Cable compartment

- It monitors status of all,
- Cabling terminals
 - MCCB/MCB wired terminals
 - Customer connections etc.



TH110 sensor



What is TH110?

A Smart Sensor for Measurement of Temperature of the Surface in Contact

What does it do?

Sends Temperature value through Zigbee

How many you need?

1xTH110 per Surface Connection

Likely locations it can be installed,

- MasterPact MTZ incoming cable connections
- Power busbar connections
- Fishplates etc.

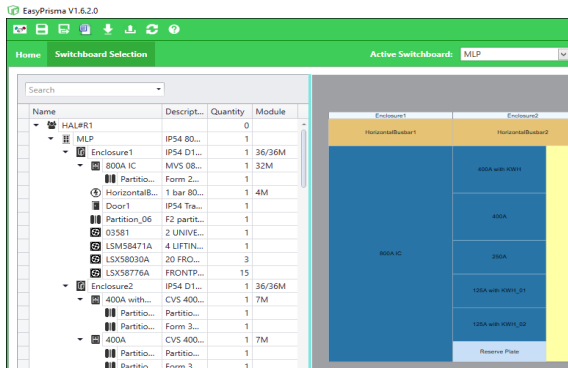


Goal:- To move from Preventive maintenance to Predictive maintenance

PrismaSeT International – Partner enablement

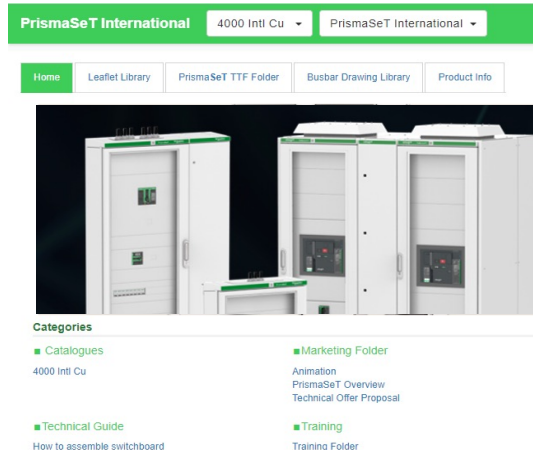
- EasyPrisma Software

- Configuration Tool for Accessible for Partners
- Ensures Design in Line with PrismaSeT Standards & Documentation



- PrismaSeT Digital Services Portal

- Controlled File Transmission across Partners
- Catalogs, Technical Guides, Busbar Drawings, Assembly Instructions etc



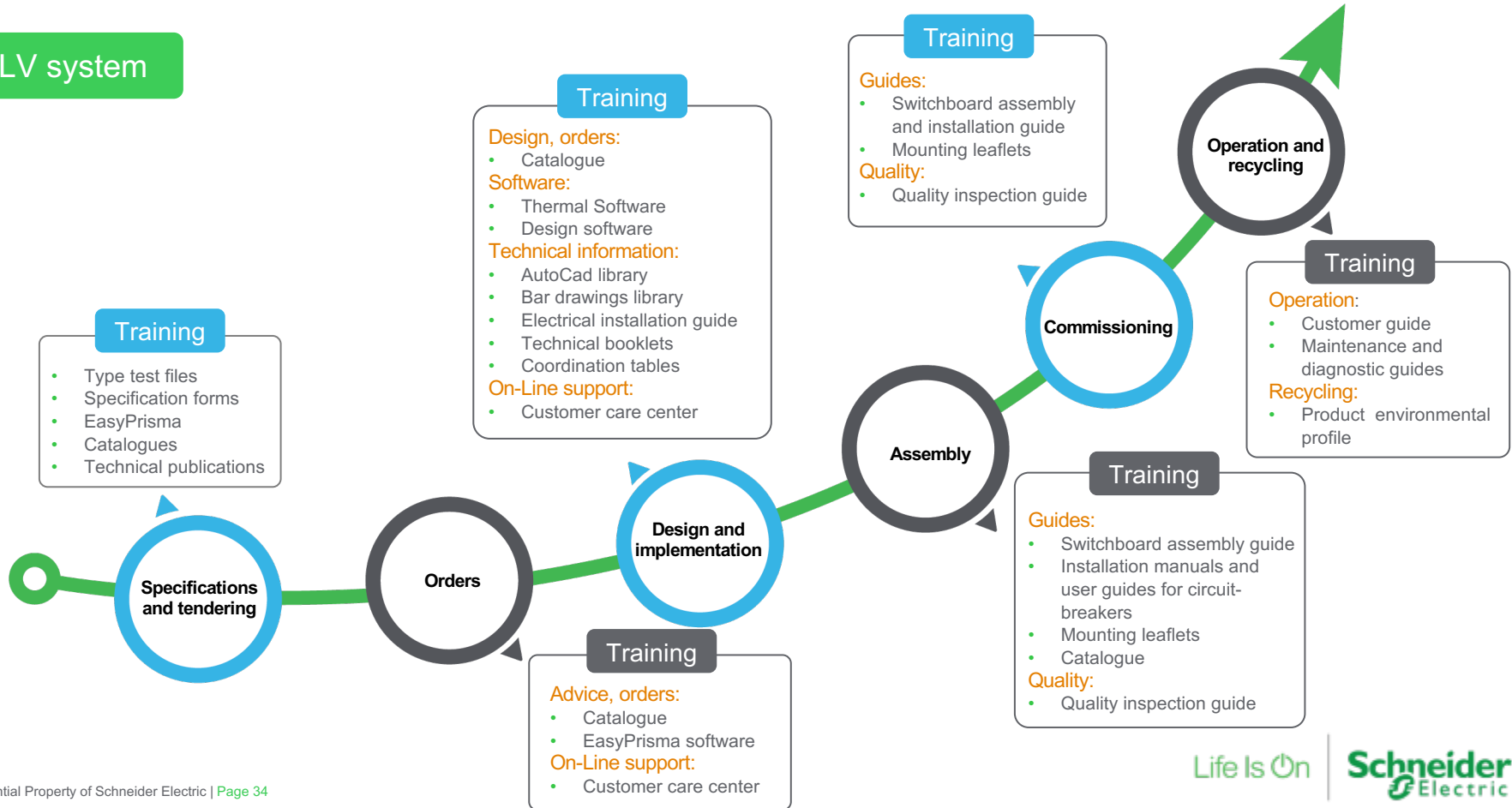
- Partner Support Program

- A unique Program from Schneider Electric



Schneider Electric partnership support

LV system



Questions?

A smiling man with glasses on his head, wearing a pink shirt, is sitting at a desk in an office. He is looking towards the left and has his hand near his chin. A laptop is in the foreground, and a blue filing cabinet is on the right. The background is a blurred office environment with a calendar and a plant.

THANK YOU.

Life Is On



Schneider
Electric