



ELSP, 2020, PAVLO TKACHENKO

Intelligent switchgear

Marketing materials - example

Business development – Channel development – Panel builders

Intelligent switchgear example

Application

Configuration

- Most generic configuration with two “hot” incomers and a bus coupler, each wing has two outgoing columns
(In 1600A, Icw 50ka, IP30, Form 3b)
- Hierarchy of Modbus TCP is considered
- Automatic transfer switch ATS022 (incoming and coupling ACBs) is considered
- Each column is considered as an independent unit ready for the extension (mechanical/electrical and communication parts).
- Communication mounting plate has all auxiliary components sufficient for each independent unit: power supply, ethernet switch, protection devices, communication cartridge (if needed)
- New MCCB with Ekip Hi-Touch LSI trip unit are applied (XT2, XT4)

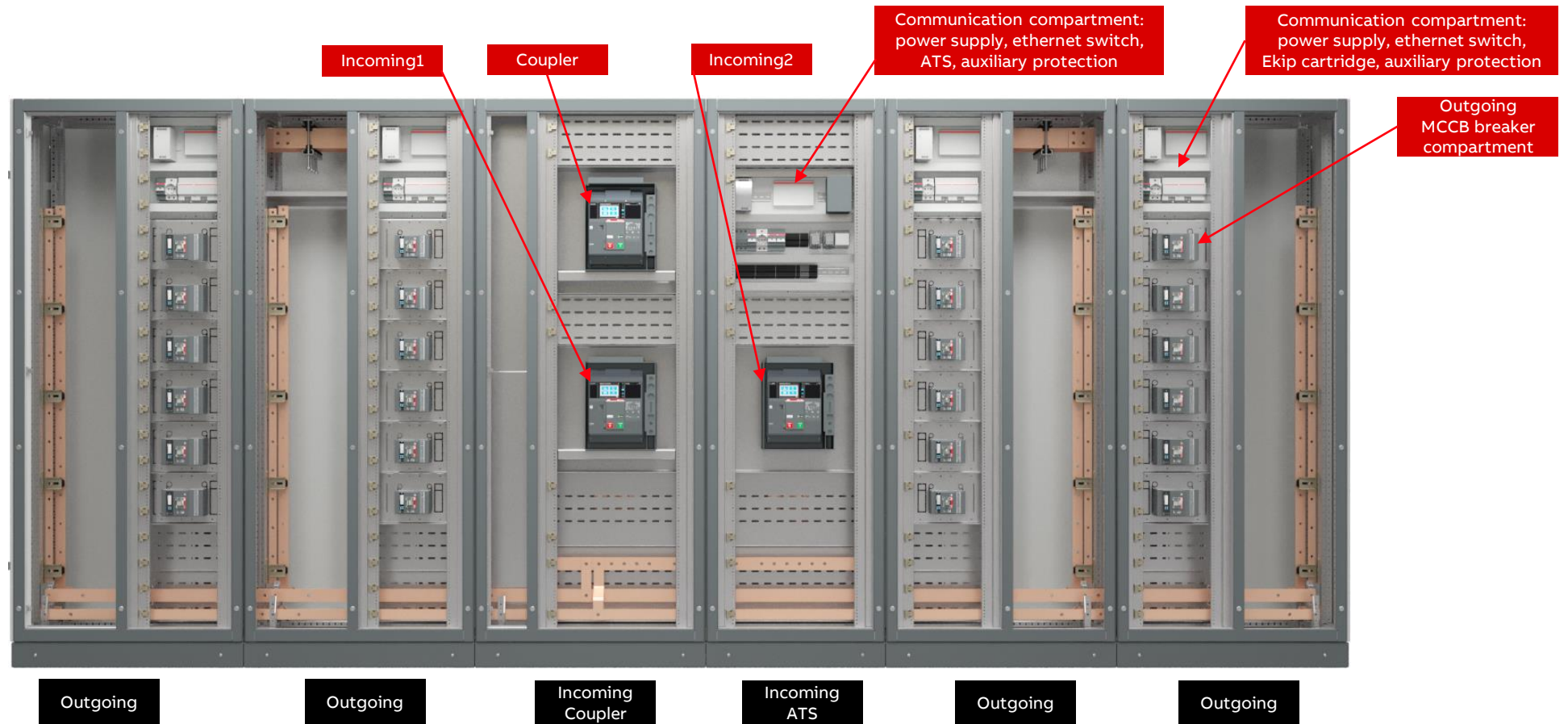
Intelligent switchgear example

Configuration

Front layout

ACBs 3p withdrawable

MCCBs 3p fixed



Intelligent switchgear example

Busbars layout

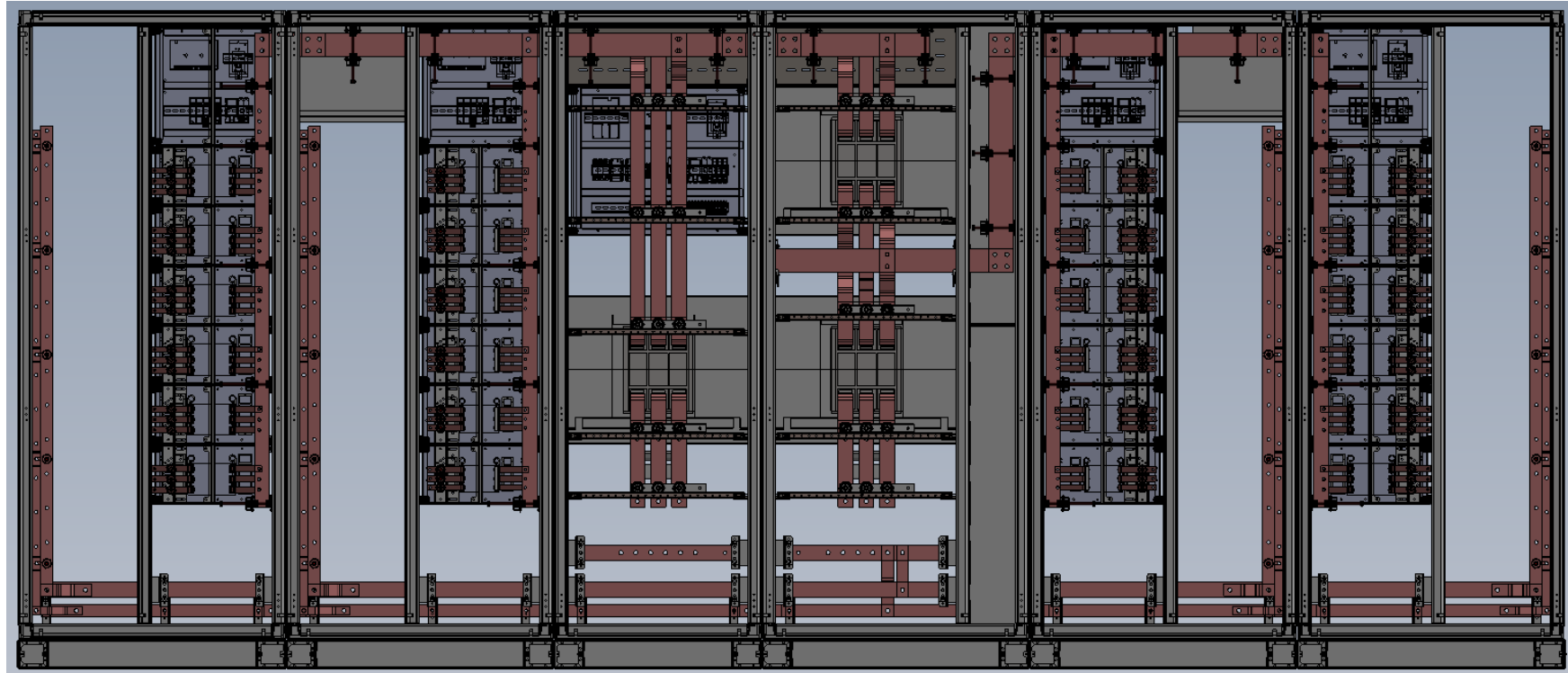
Copper bars

Busbars layout is included

All accompanying fixing components are listed (crosspieces, brackets, anchoring plates, isolators)

MBB – 1600A

VBB – 1000A



Intelligent switchgear example

Documents package

Available materials

Project document: single line diagram, functional scheme, communication connectios, complete project spec, busbars layout

Complete 3D physical model: .step and .exe format

Complete 3D busbars layout

Detailed bill of materials

Documents package

[illegible]

Intelligent switchgear example

Documents package

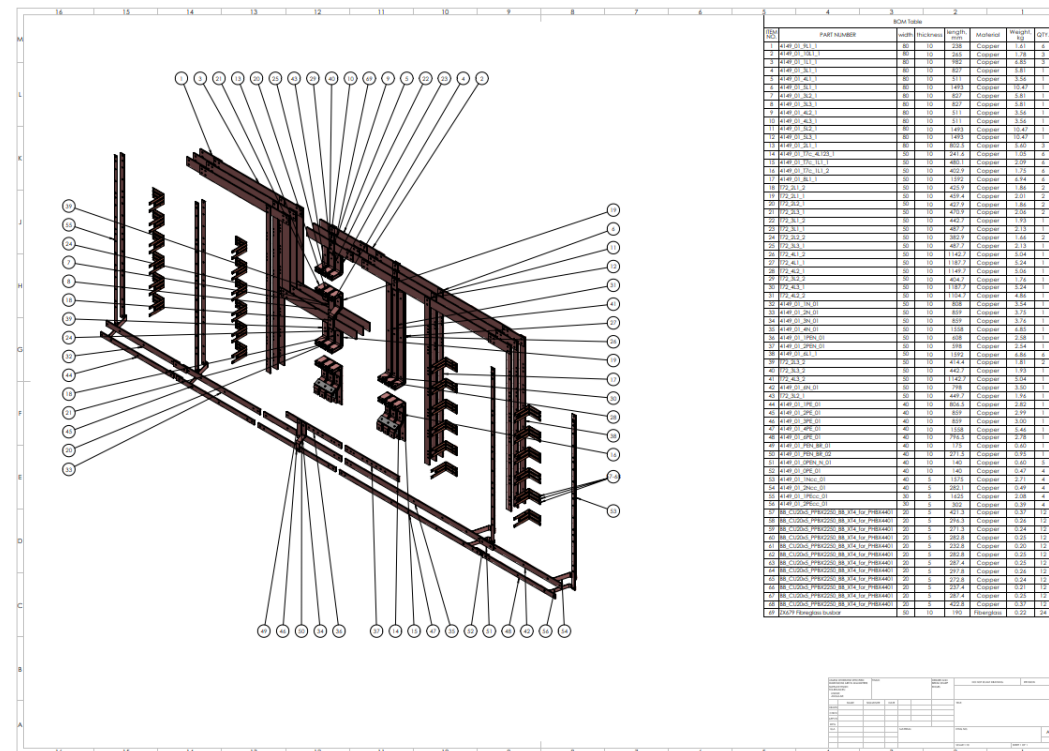
Complete 3D physical model



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Documents package

Complete 3D busbars layout



ABB