



Building Information Modeling (BIM)

Digital planning and construction services

Build secure. Build faster. Build digitally.

Axpo is the first in the DACH region to plan and build substations and powerlines 100 percent digitally with BIM. In 2024, we set a new standard – giving planners and builders instant access to the latest planning information, thus eliminating miscommunication, outdated plans and costly rework. Our digital process increases precision, quality and security, and ensures you meet all BIM requirements. Build smarter and faster with us.

We offer digital/VDC/BIM management, coordination and automation services that allow your planning, construction and installation teams to work fully digitally in substation and powerline projects.

Your benefits

Mitigate the risks of using new technology, processes, standards and training in the complex digital construction and planning of **powerlines and substations**. We have done it all in **more than 30 projects** to date and our a team of experts in all aspects of digital planning and construction is ready to help.



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Digital planning (project level)

- Project shadowing and coordination
- Customised automation for BIM/CAD
- Hardware and software set-up
- BIM data quality assurance
- Training in collaboration workflows

Digital construction (project level)

- Tender and order preparation
- Construction planning and coordination
- Hardware and software set-up
- Execution data quality assurance
- Training in execution workflows

Digital transformation (company/team level)

- Vision for digital planning and construction
- Technology strategy and tool selection
- Process and standards set-up
- Upskilling strategy (incl. outsourcing/nearshoring)



Transmission lines



Substations



Batteries



Power plants

Added value

Speed

Finish designs up to 30% faster:

reviews happen in one shared model, routine checks run automatically, and approval loops shrink from weeks to days.

Compliance

Pass quality checks every time:

standards, naming rules and data validation are built in, producing consistent, audit-ready deliverables at every stage.

Precision

Build without clashes:

every discipline coordinates in a single 3D model; automated clash detection and issue tracking surface and close conflicts before they reach the building site.



Want to know more?

Transform the way you build – start your digital-first project with our BIM experts now!

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