

# 3

## Scenarios

### that Argue for Paperless Maintenance and Servicing

1	2	3
Quickly at Hand	Always Up to Date	Easy Collaboration
<a href="#">read more</a>	<a href="#">read more</a>	<a href="#">read more</a>

Manufacturing is the heart of your company. If the machines are running smoothly, they generate income. If they're at a stillstand, the source of income dries up. Often there are even follow-up costs due to shutting down and re-starting the systems. That's why you need your systems to run smoothly and with as few interruptions as possible. If faults occur, they must be quickly found and rectified. Yet in most companies, there is a raging paper war going on: an armada of binders is hoarding all the technical documentation. It's also not uncommon for different versions of the same schematic to exist on cellulose.

The following are three scenarios that show why you should change over to paperless maintenance and servicing and how EPLAN can support you in this.



# 3

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#### Quickly at Hand

The motor fails, the belt stops. When the machine's alarm bells go off, technicians' pulses start to race. Quick action is required. Error messages are checked, and the cause is sought out. Binders of documentation are taken off shelves and schematics get poured over. Lucky are those who have digitalised all this.

Using EPLAN eVIEW, your technicians can select the right schematics with just a click. And eVIEW further offers a variety of entry points. For one, your technicians can click on the correct schematics directly from the control system, for instance when they call up the graphic representation of the stopped assembly line on the monitor, where a direct link to it is stored. For another, they can use a QR code found in the control cabinet. The schematics are also linked to the P&I diagrams and the pneumatic diagrams. This saves time and your technicians always have up-to-date documentation at hand.



# 3

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[read more](#)

2

[read more](#)

3

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#### Always Up to Date

If your technicians replace a part or make an adjustment to the machine, they use a red pen and document their work in the schematics. Yet paper is patient: over time, the amount of red in the document increases as the accuracy decreases. If there are schematics in multiple locations, for instance in the control cabinet, at the control centre and in an archive, the different versions all live parallel lives. In an emergency, this can pose risks for your operations and makes conversions and expansions more difficult.

In contrast, there is only a single source of truth in the paperless world, and it is located in the EPLAN Cloud. Digital redlining replaces manual documentation with a red pen. Using a tablet or other computer, your technicians can call up the appropriate schematics in eVIEW and note their changes and make comments. This information is digitally sent to the electrical design engineers, who incorporate the technicians' changes into EPLAN and ensure that the changes are made in all the affected disciplines. They then make the updated data available to everyone using eMANAGE. Until this is done, everyone can see the redlining entries.



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#### Easy Collaboration

One of your machines comes to a stillstand during the night shift. The standby team springs into action and gets it running again. The technician pulls out her red pen and documents what she's done. Unfortunately, her comments remain on paper. In the worst case, it may be that no one finds out about her work.

Which settings did the technician choose? What materials did she use? If your technician documents the changes in EPLAN eVIEW, the notes and changes are visible to the team, making all the work transparent. Your foreman can respond to queries in a targeted way and check the changes again. Good to know: entries in the schematics do not directly lead to changes to them. Instead, your technicians create an entry as a note and give it a "for review" status. The actual changes to the documentation are then made by your engineers in EPLAN. This ensures that any adjustments to your documentation are also formally consistent and universal.



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