



Abschlussprüfung Sommer 2026

Fachinformatiker Fachrichtung: Systemintegration

Dokumentation zur betrieblichen Projektarbeit

Kundendokumentation

User-Anleitung zur Verwendung der Web-App

Abgabedatum: 09.06.2026

Prüfungsbewerber:

Ben Borchert

Identnummer:

Ausbildungsbetrieb:

Marabu GmbH & Co. KG

Asperger Straße 4

71732 Tamm



User-Guide for Motif-Manipulator

The Motif-Manipulator-Application is accessed through the internet with the following link:

<https://motif-manipulator.marabu.com/>

Please make sure that you are connected to the companies network, otherwise your access will be blocked! If you are currently working at home, please connect via Forti-VPN.

Be aware that the application can **only** process PDF-documents provided by MAPA for now. If there will be any changes regarding the functionality of the application, you will be informed by the IT-department.

User-Guide for Motif-Manipulator

Step-By-Step

When you open the link with the Microsoft Edge Browser, you will be welcomed by a log-in-page. To access the application you will need a password.

Please contact Ms. Sol or create a ticket for the IT-department if you don't already know the password.

Motif-Manipulator

Password

Login

After logging in, you will get to the homepage. There are lots of information about the application itself, so if you are not familiar with it, please make sure to read all of it first.

Motif-Manipulator

Partners & Collaborators



Welcome to Motif-Manipulator

Your powerful tool for extracting and manipulating technical drawings from PDF documents.

What is Motif-Manipulator?

Motif-Manipulator is a specialized application designed to help you work with technical drawings efficiently. Whether you need to extract specific elements from engineering documents, architectural plans, or any technical diagrams, this tool streamlines your workflow.

Key Features

- **PDF Upload**: Import your technical drawings in PDF format
- **Precise Selection**: Use our interactive cropping tool to select exactly the area you need
- **Preview & Verify**: Review your selection before finalizing
- **SVG Export**: Download your extracted drawings as scalable SVG files
- **Vector Preservation**: Maintain the quality and precision of your technical drawings

How It Works

1. **Upload** your PDF document containing technical drawings
2. **Select** the specific area or motif you want to extract
3. **Preview** your selection to ensure accuracy
4. **Manipulate** your selection to your needs
5. **Download** the results as new PDF

Get Started

Click on **Select File** in the navigation to begin extracting your technical drawings!

Built for precision work with technical documentation.

Get Started - Upload PDF

Now you can scroll all the way down to the end of the page. There is a red button called „Get Started – Upload PDF“. Press it to get to the next step.

User-Guide for Motif-Manipulator

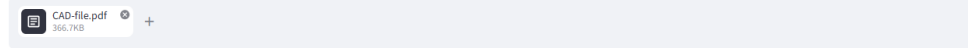
Here you can upload the PDF-document you want to edit. When you are ready, please click on „Go to Cropping“.

Motif-Manipulator

Upload PDF

Please upload a PDF file to begin selecting an area.

Choose a PDF file



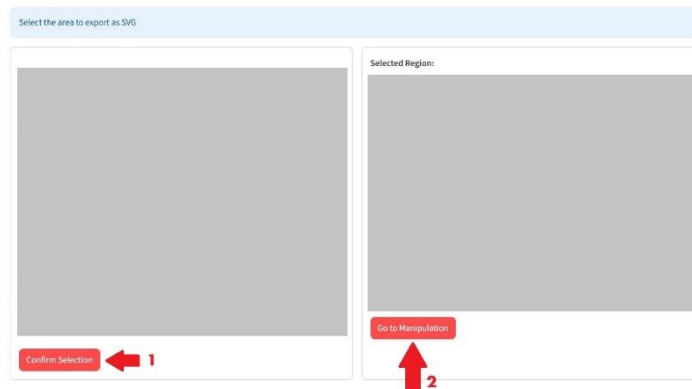
File uploaded: CAD-file.pdf

[Go to Cropping](#)

Now, you will be asked to crop the image. Select the area you want to be edited by the application. Press „Confirm Selection“ to move on to the next step.

Motif-Manipulator

Select Area

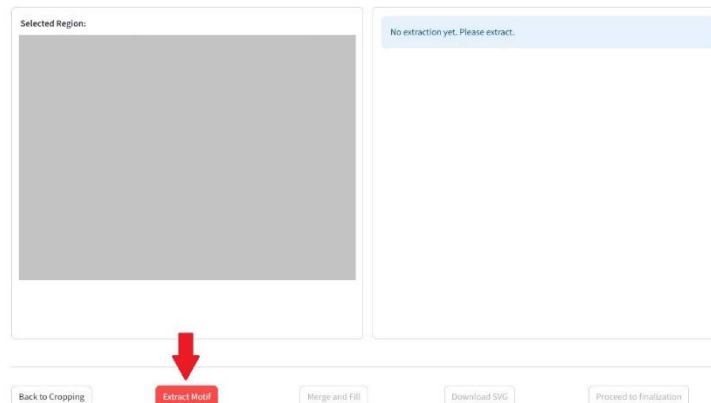


You will see a zoomed-in version of the selected area on the right-hand side. If you are happy with how it ended up, click on “Go to Manipulation”.

On the next page, there will be a menu with multiple functionalities. To start the manipulation, click on “Extract Motif”.

Motif-Manipulator

Manipulate PDF

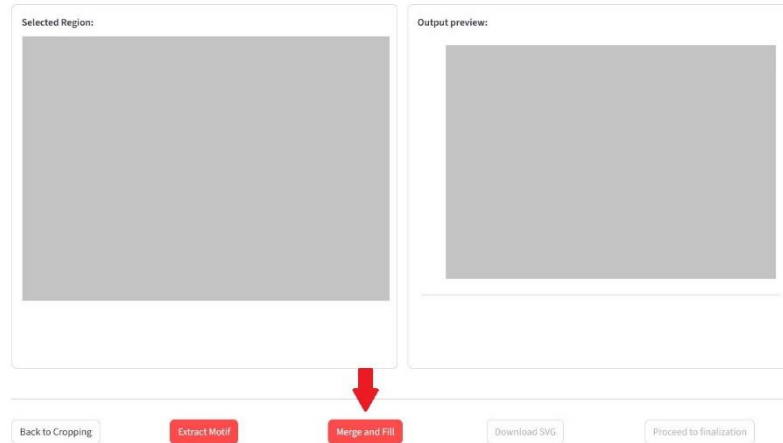


User-Guide for Motif-Manipulator

An extracted motif will appear on the right side of the page. For the next step, you will have to click on “Merge and Fill”.

Motif-Manipulator

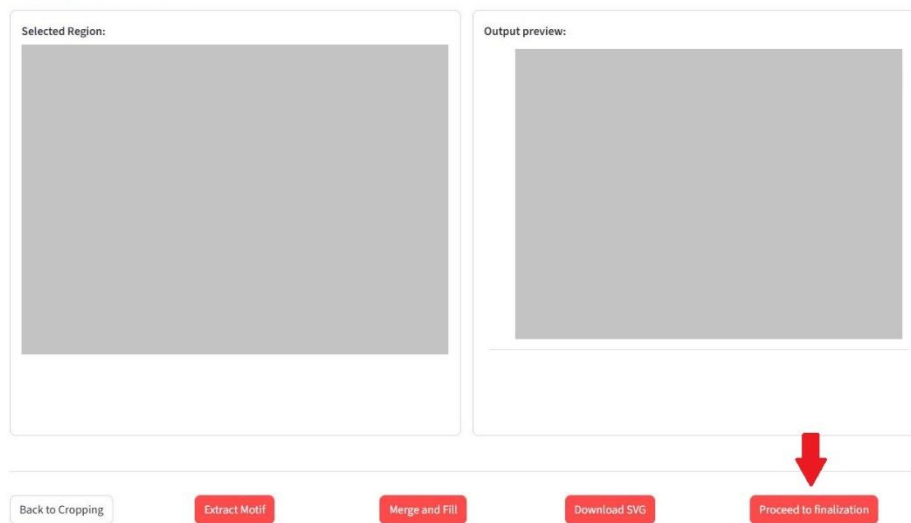
Manipulate PDF



The editing of the PDF-document is almost completed. You can either download the file as a SVG-file or just proceed with the manipulation by pressing “Proceed to finalization”.

Motif-Manipulator

Manipulate PDF

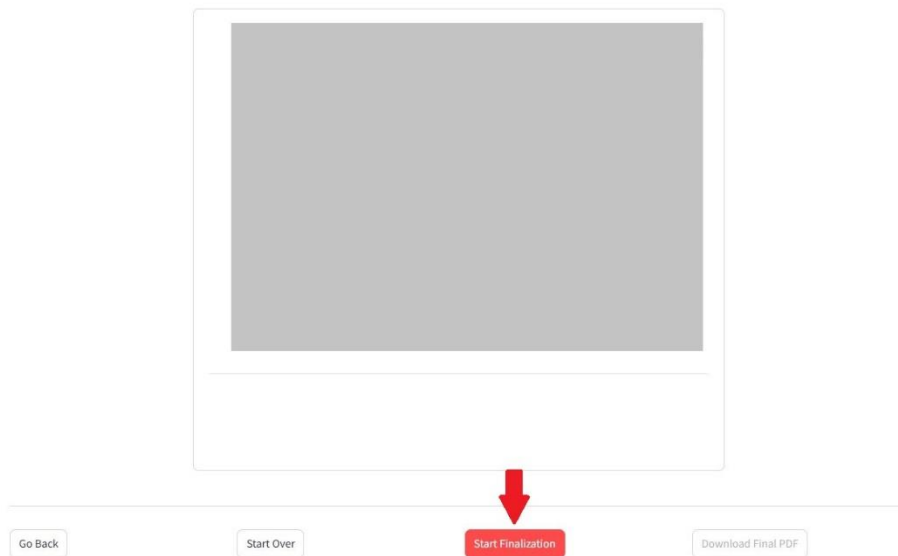


For the final steps, you need to click on “Start finalization”.

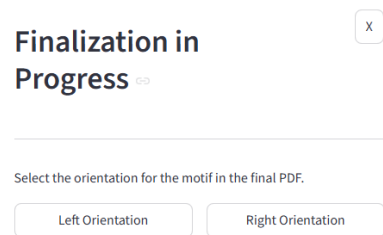
User-Guide for Motif-Manipulator

Finalize & Generate PDF

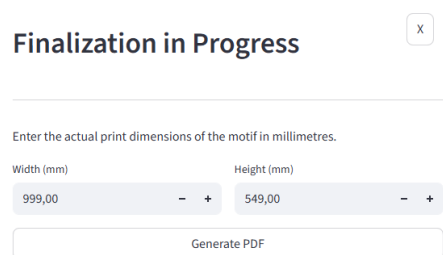
Finalize & Generate PDF



During this process you will be asked to choose an orientation ...



... note down the specific dimensions ...



... and specify the rotation angle.

Finalization in Progress ⌵

Enter the rotation angle.

Rotation Angle

90

Generate PDF

After you finish the finalization, you can click on “Generate PDF” to let the application create the PDF-document. This action might take a few seconds.

When it’s done loading, you can download the file and either return to the main menu to manipulate another file (“Start Over”) or just close the window.

Finalize & Generate PDF

Finalize & Generate PDF



Go Back

Start Over

Start Finalization

Download Final PDF

