

Maintenance Technology

Education
Materials
(Examples)





In our MDVP Maintenance Technology vocational education and training program, you will get access to a wide variety of education and training materials, covering all you need to know about setting up, checking and servicing installations for energy, heating, and cooling systems. And you will meet examples of these installation types in a wide variety of settings: from homes to commercial buildings and industrial facilities.

Here, we want to give you a little taste of the types of materials you will be meet during the program.

All materials are yours to keep and use – also after you complete your vocational education and training at Techcollege.

Materials from three Danish skilled vocational specialist education programs

Your vocational education and training in the MDVP Maintenance Technology program includes elements from no less than 3 full Danish VET education programs.

You will be introduced to topics and materials drawn from the official Danish Electrician, Automation Technology, and Sanitation & Energy Systems Technology vocational profiles, and when you complete your education and training, you will be able to perform system maintenance assignments from all of these profiles.



Electrician



Automation Technology



Sanitation & Energy Systems Technology



Education Materials (Examples) for the Mulilo Danish Vocational Education & Training Program in

Maintenance Technology

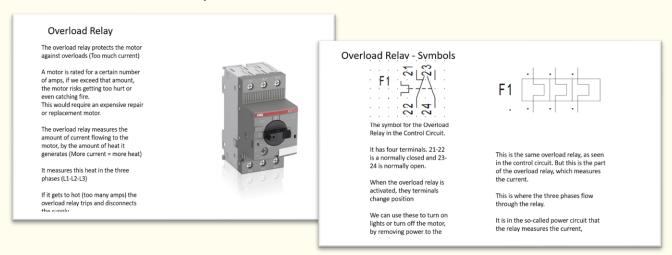
1. Presentations of theory and technical subjects

Your trainer will introduce and present new theory and new technical subjects with the use of digital presentations (made in Microsoft PowerPoint or similar). All of these presentations will be placed on our **Digital Learning Platform** for you to download and store on your own computer.

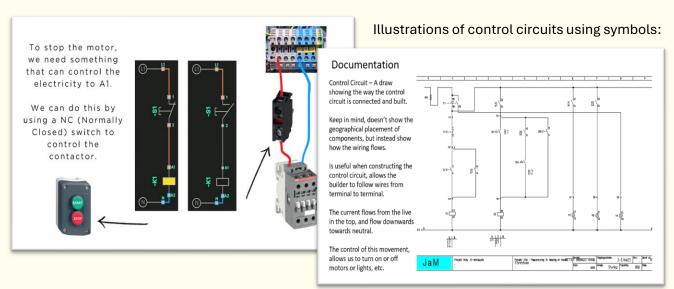
The goal of the presentations is to give you a quick overview of the most important concepts and learning points of the subject – and you can add your own notes to each presentation to help you remember the key details.

Here is an example of (parts of) a presentation introducing the concept of control circuits, how to design them, and the use of relays in controlling the electrical current in the circuit:

Presentation of Overload Relays:



Introduction to electrical motor control:





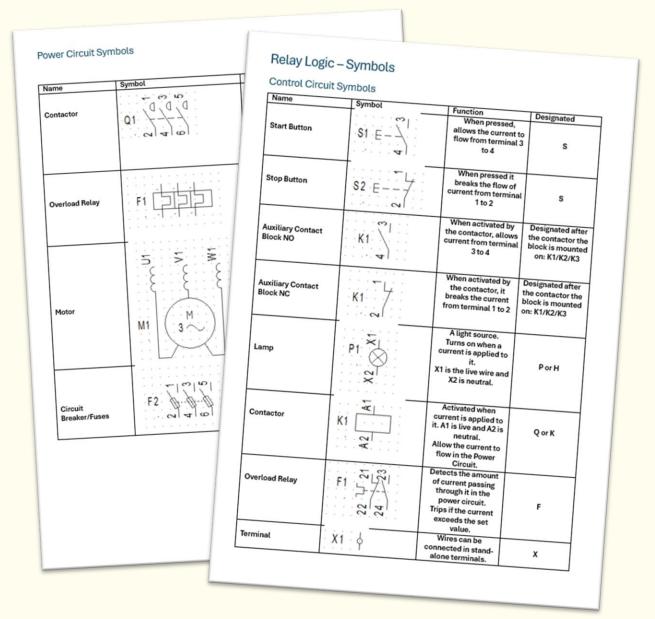
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Material Compendia for you to use as Reference 2.

For the different subjects in your vocational education and training, we put together a number of digital compendia, which you may download from our Digital Learning Platform, store on your own computer, and use as reference material to help you when you are working on exercises and project assignments.

The goal of each compendium is to give you an easy reference access to key knowledge and data relevant for the current subject or task - that you can come back to and use whenever you need it.

Here is an example of an initial compendium of relevant symbols to use when designing/drawing electrical control circuits:





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3. Workshop Assignments

During your training, you will perform many practical assignments in our electrical installations and sanitation systems workshops. Some are small exercises with a specific task, some are larger projects where you build or service a complete systems installation. You will work both individually and in teams. In many of the assignments, we have created realistic domestic, commercial or industrial systems specifications for set-up, diagnosis, and repair tasks, where you must consult or produce systems documentation materials – and then perform the task in practise.

Here is the task description of an early workshop assignment in the program, where you will design and build a simple electrical control circuit:

