



Natural, flammable refrigerants in education: future-proof, environmentally friendly and safe to use

Chillventa, Nuremberg, October 12, 2022

MMst. DI Harald Erös

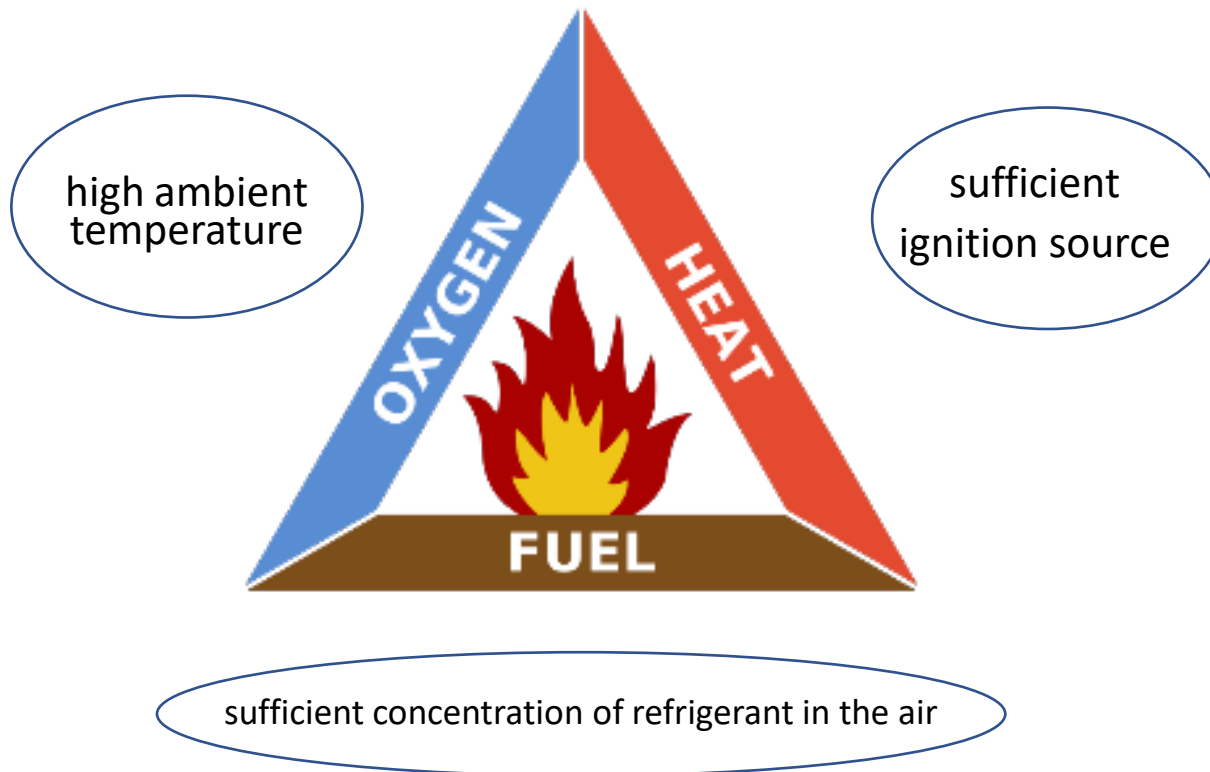
Head of the Board

Österreichische Gesellschaft der Kältetechnik (ÖGKT)

(Austrian Association of Refrigeration)

WORKING WITH FLAMMABLE REFRIGERANTS

PREVENTIVE EXPLOSION PROTECTION



3 BASIC RULES FOR WORKING ON SYSTEMS WITH FLAMMABLE REFRIGERANTS

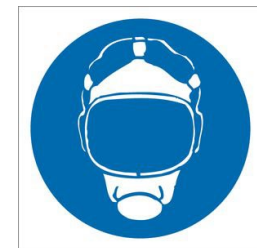
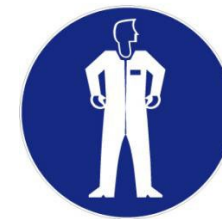
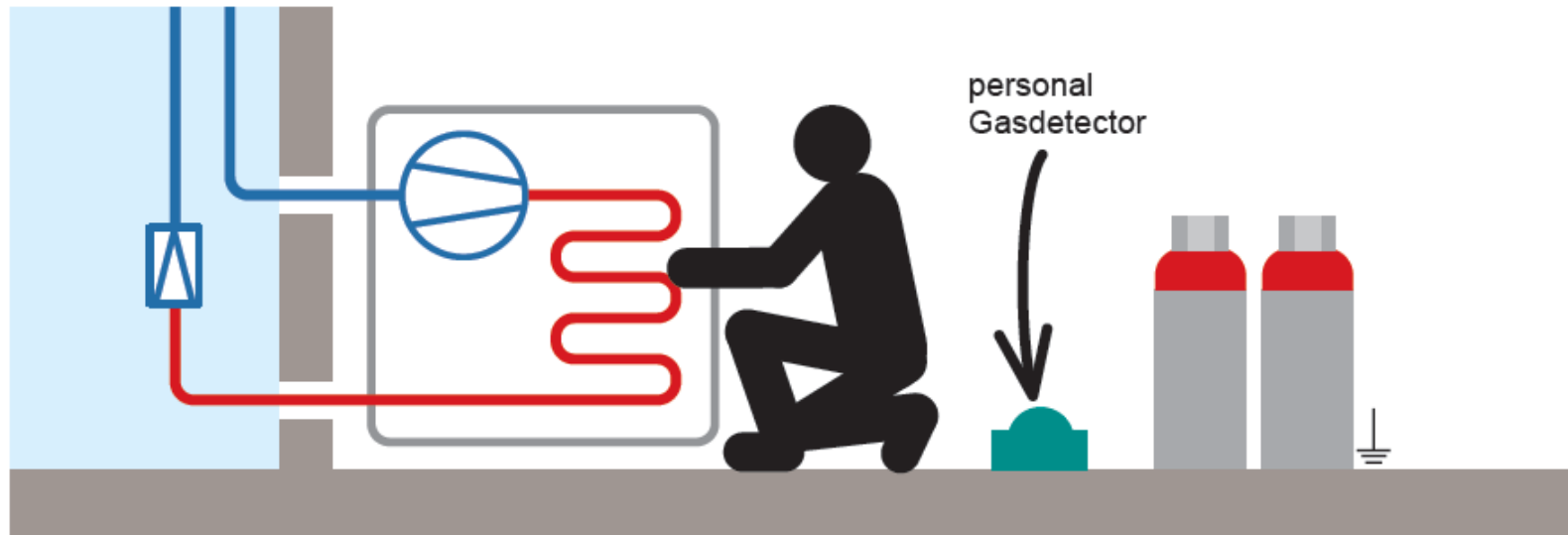
- ① CONCENTRATION MONITORING
- ② VENTILATION OF THE WORK AREA
- ③ ELIMINATION OF IGNITION SOURCES

WORKING WITH FLAMMABLE REFRIGERANTS

PERSONAL PROTECTIVE EQUIPMENT

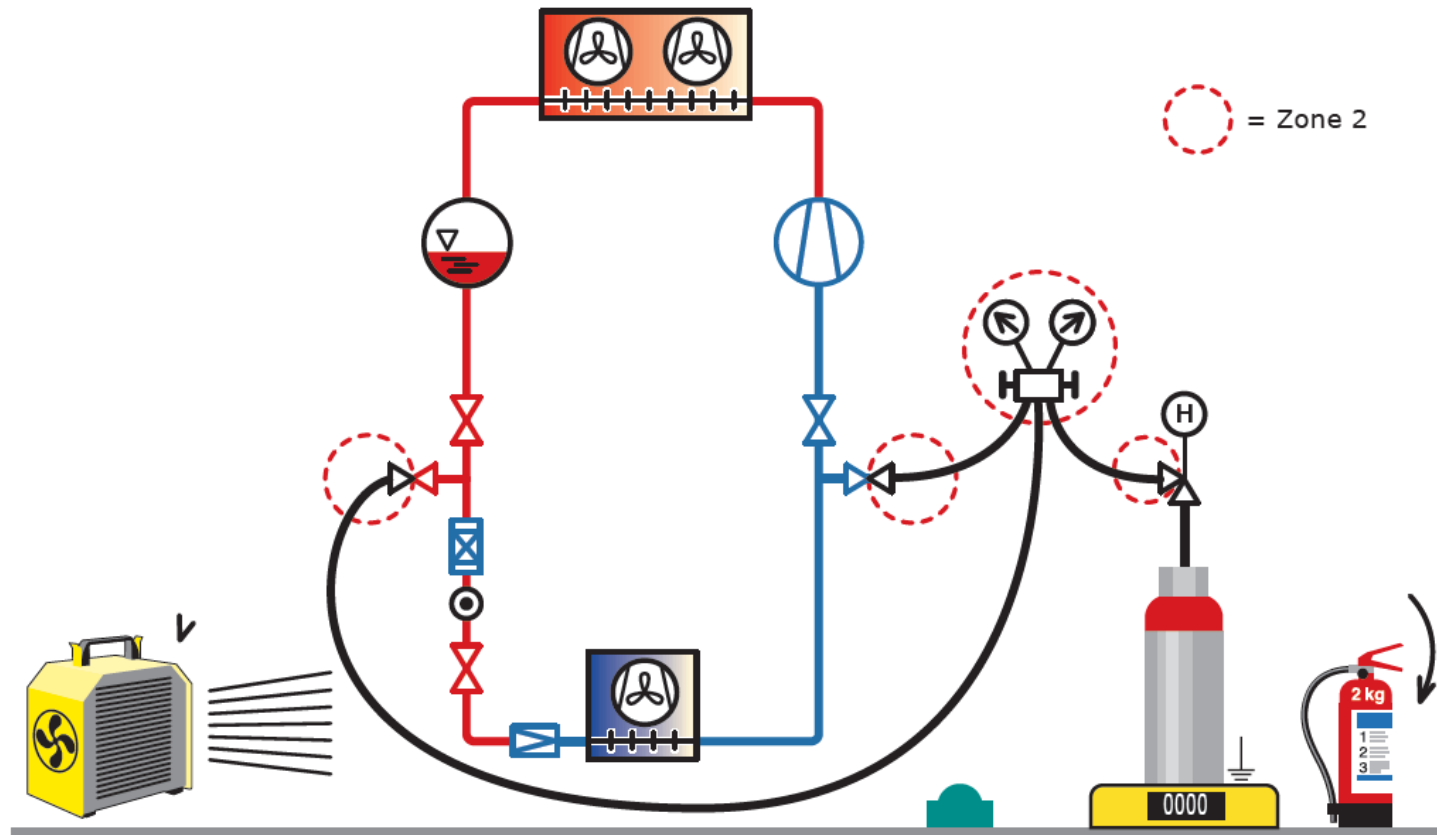


Concentration Monitoring
With personal gas detector



WORKING WITH FLAMMABLE REFRIGERANTS

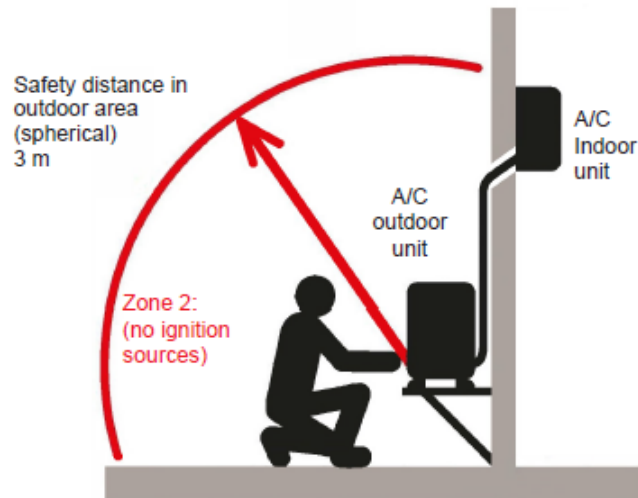
BE AWARE OF POSSIBLE EXPLOSION ZONES



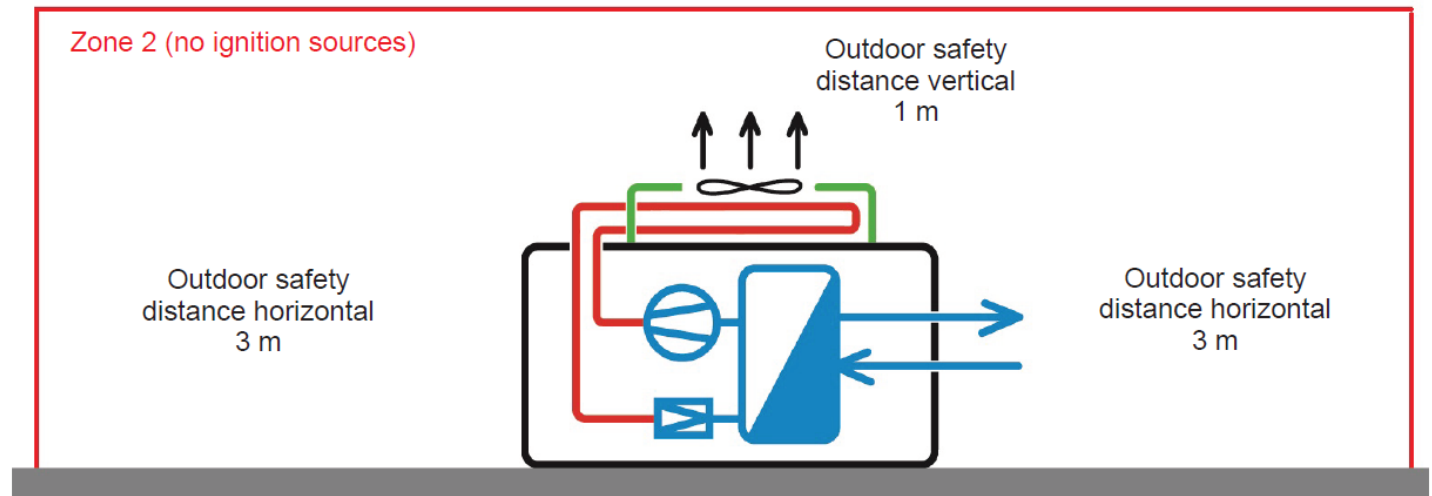
Source: Brennbare Kältemittel by Stig Rath and Harald Erös, August 2020, ISBN 978-3-200-07049-3
available via <https://www.ogkt.at/product-page/brennbare-kaeltemittel>

WORKING WITH FLAMMABLE REFRIGERANTS

SAFETY DISTANCES



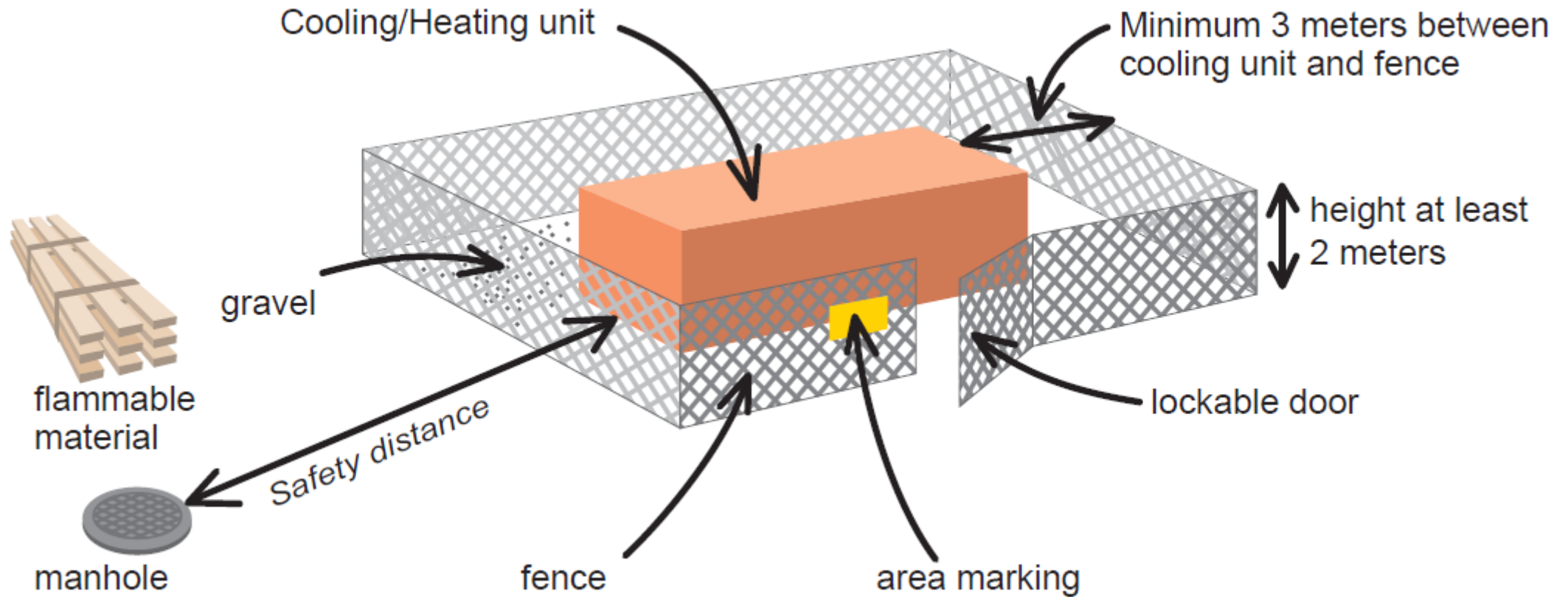
Safety distance for the outdoor unit of a split air conditioner



Safety distance for an aircooled chiller

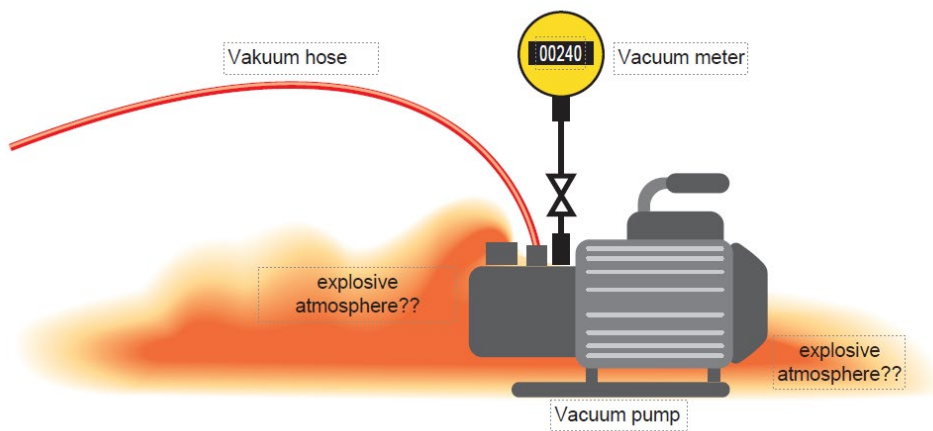
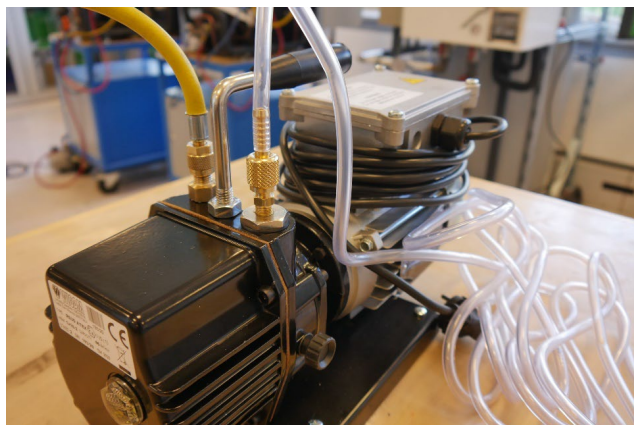
WORKING WITH FLAMMABLE REFRIGERANTS

OUTDOOR INSTALLATION



WORKING WITH FLAMMABLE REFRIGERANTS

SERVICE TOOLS



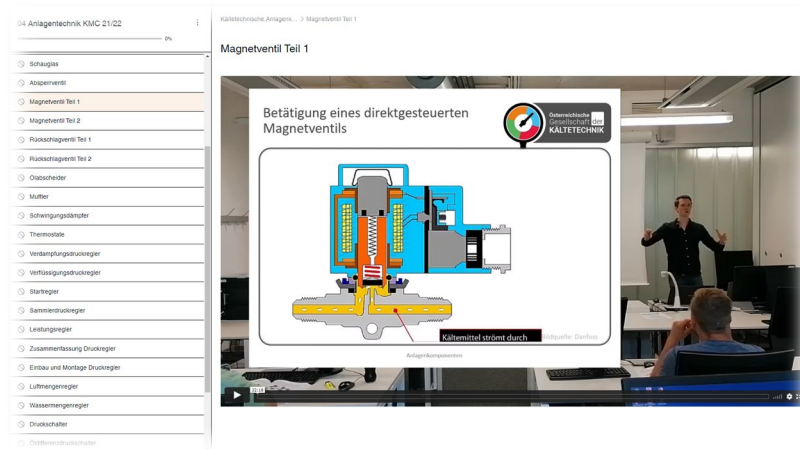
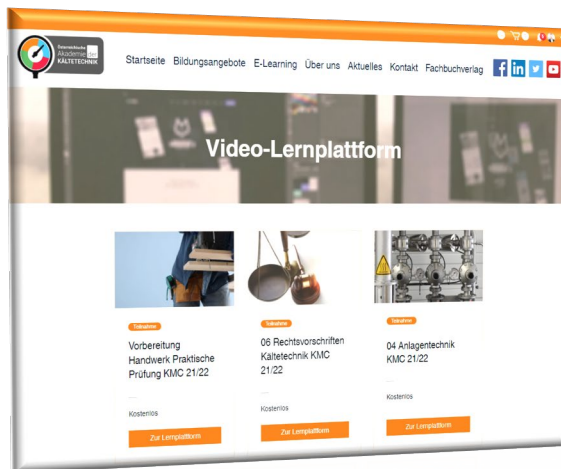
HOW WE DO OUR TRAININGS

ASYNCHRONUS LEARNING CONTENT FOR PREPARATION



ASYNCHRONUS LEARNING CONTENT ➔ VIDEO PLATFORM

BOOKS



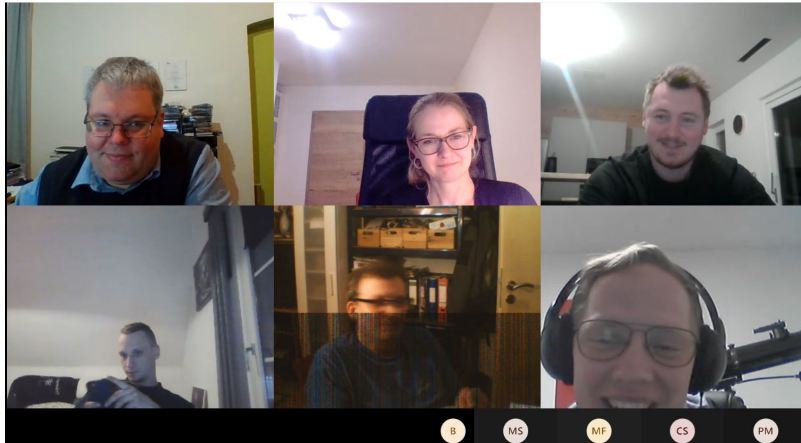
<https://www.kaelte-akademie.at/video-lernplattform-kaeltetechnik>



HOW WE DO OUR TRAININGS

VIRTUAL AND FACE TO FACE EVENTS

REGULARLY ONLINE MEETINGS



+

HANDS-ON-TRAINING



+

EVERYTHING WITH A PRACTICAL FOCUS



<https://www.kaelte-akademie.at/>

**FURTHER INFORMATION CAN BE FOUND AT
WWW.ÖGKT.AT**

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