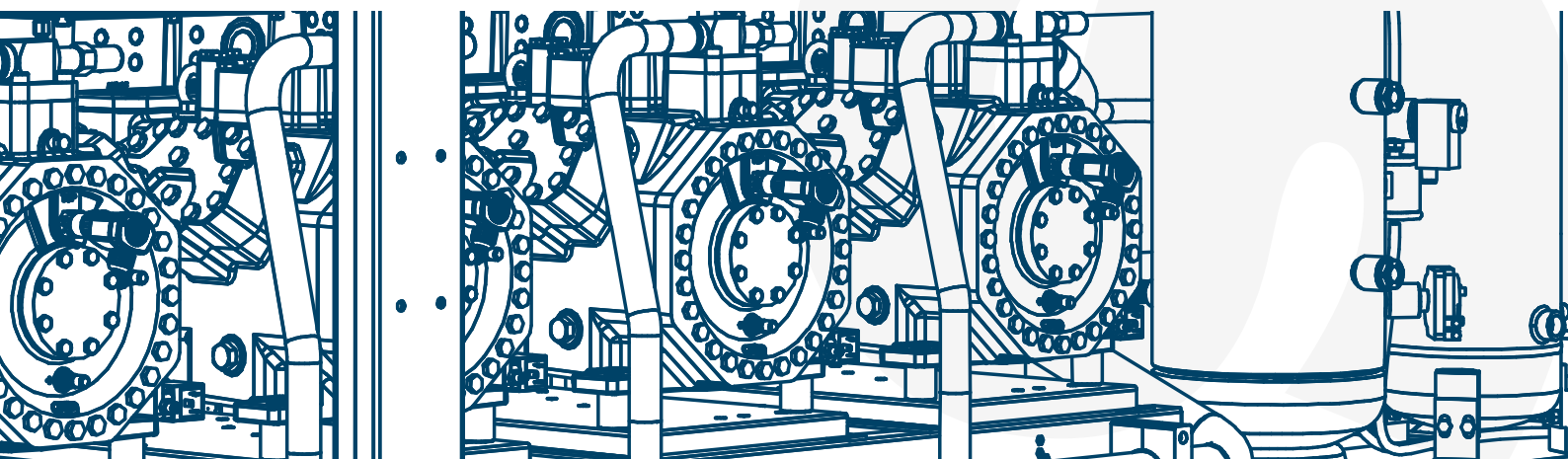
BEIJER REF ACADEMY

CO_2 TRAINING CENTER

Become a **CO_2 Specialist**

Beijer Ref Academy will offer technicians and installers ***the opportunity to learn how to operate CO_2 refrigeration systems in different configurations***, from condensing units to complete racks with parallel compression, and the latest generations of ejectors, among other options. This will simulate the performance of CO_2 in all applications and weather conditions.

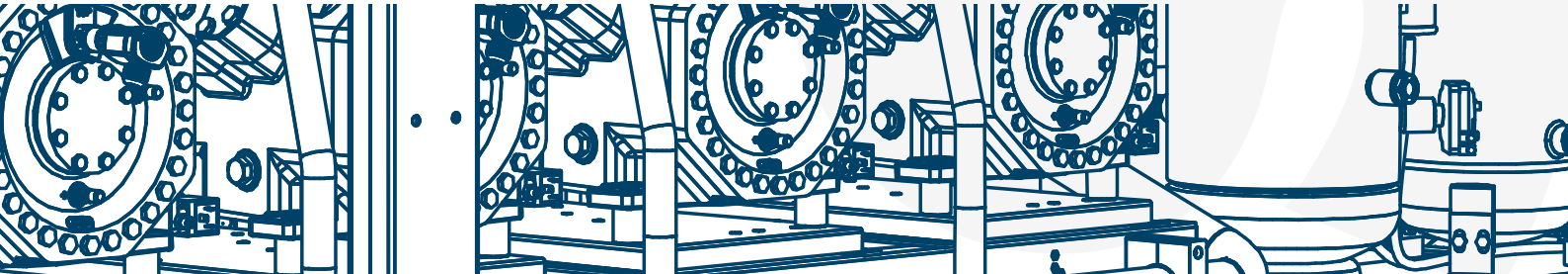


Typical training session *Day 1*

THEORETICAL COURSE

- Properties of CO_2;
- Safety issues with CO_2 ;
- Transcritical Cycle and main component descriptions;
- Components overview;
- Warmer climate application:
    - Adiabatic gas cooler;
    - Parallel compression;
    - Mechanical subcooling;
    - Vapour ejector;
- Overfeed system;
- CO_2 Systems in Transcritical application:
    - Booster MT/LT;
    - Booster Only LT;
    - Booster “full integrated”;
    - Pump recirculation System MT and LT;
    - Chillers;
    - Condensing units;
- Defrost with CO_2 ;
- Heat recovery with CO_2 ;

PRODUCTION TOUR

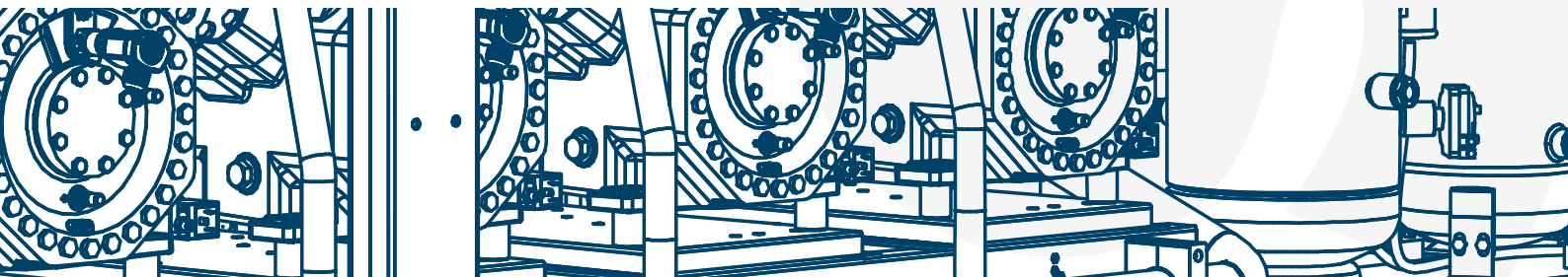


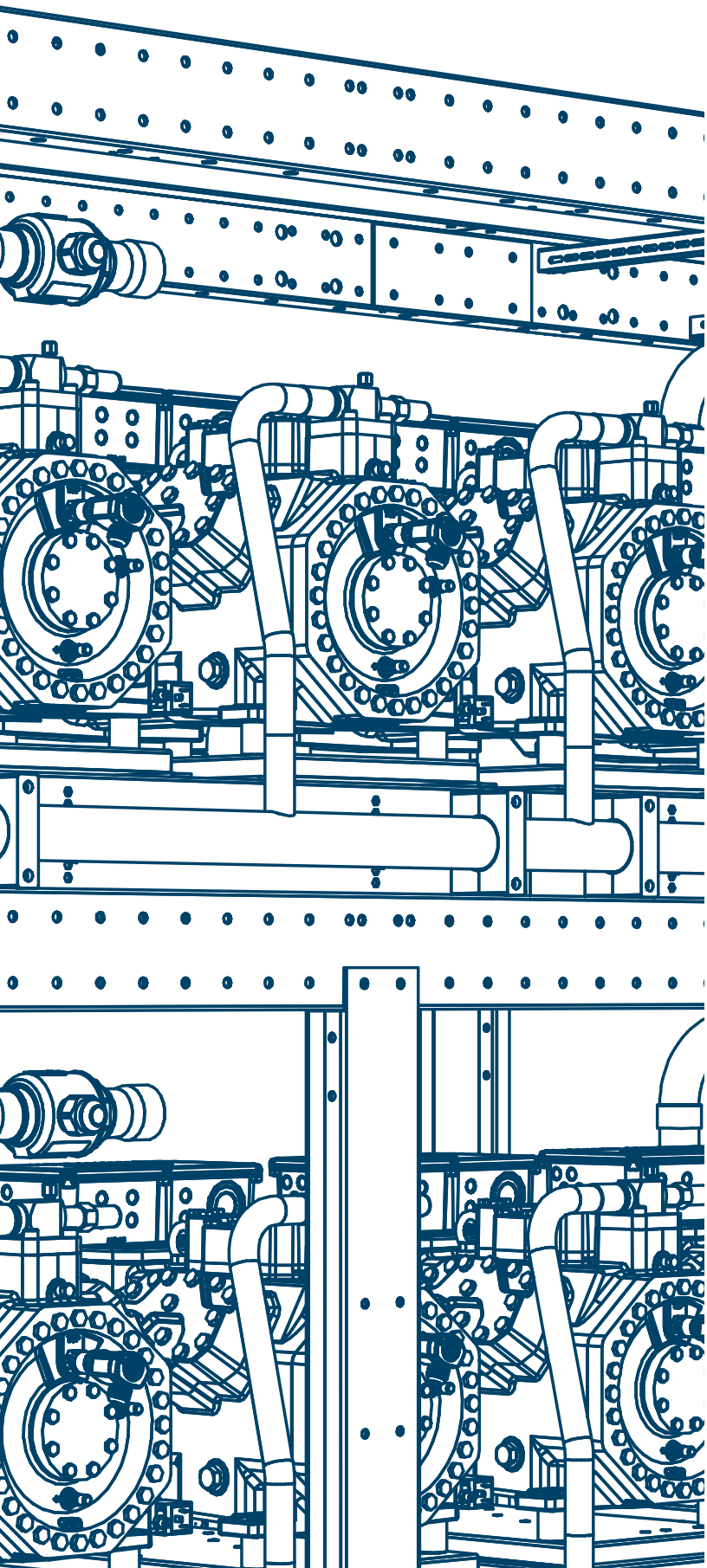
Typical training session *Day 2*

PRACTICAL TRAINING SESSION

- Refrigeration circuit and main components of transcritical system;
- PID and identification of components on real units;
- Electrical cabinets:main components;
- Inverters. Description of common set up;
- HPV and MPV valves: explanation of their operation;
- Parallel compressors: purpose and operation;
- Ejectors: purpose and operation;
- CO_2 and oil: quality and type required;
- Start-up of systems: charging gas procedure;
- Main features of controllers. Hands-on (on request);
- Overview of a running unit with simulation of different states of operation;
- Recommended maintenance and service;

DELIVERY of the CERTIFICATE





Partners

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