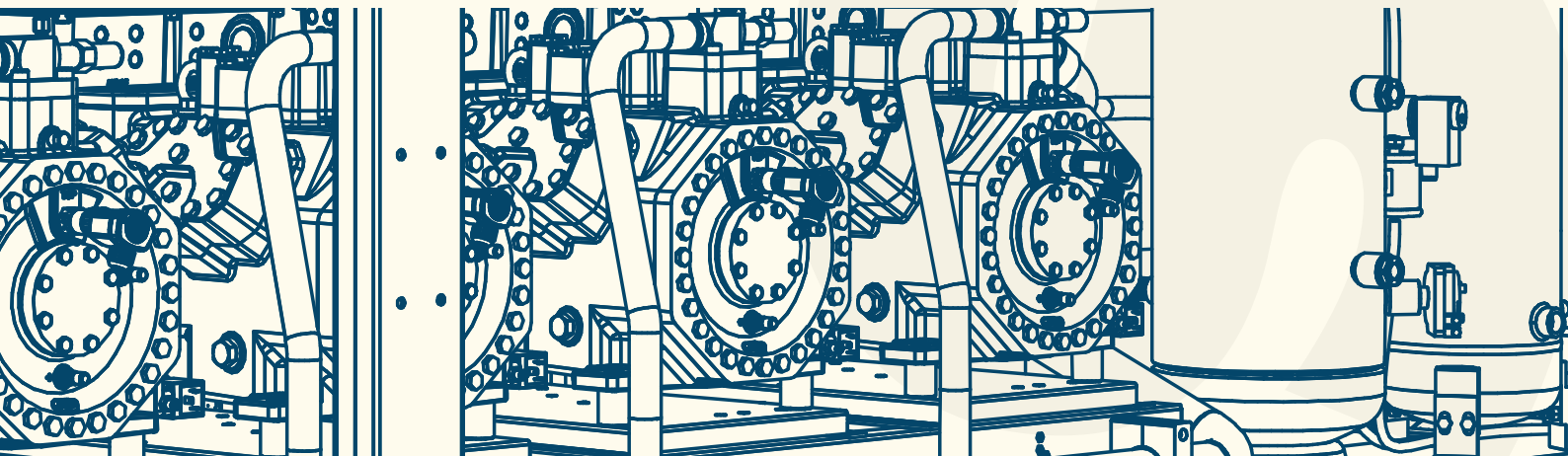

Become a **CO₂ Specialist**

Beijer Ref Academy will offer technicians and installers *the opportunity to learn how to operate CO₂ 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 CO₂ in all applications and weather conditions.



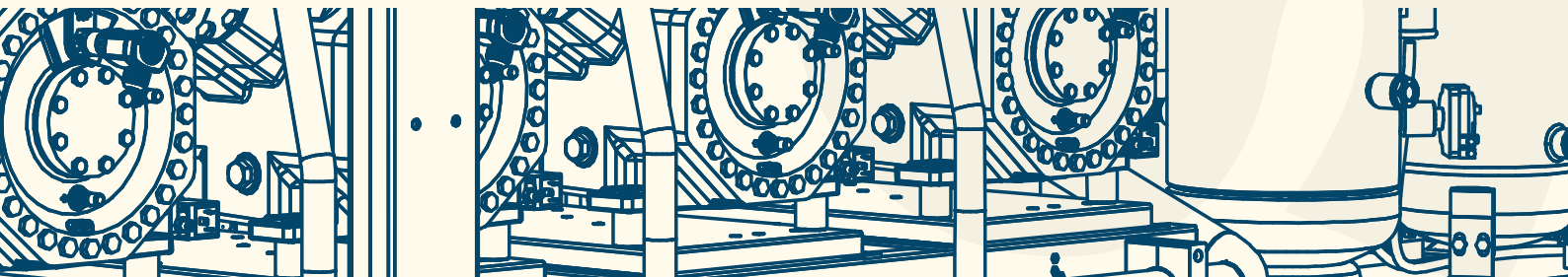
Typical training session *Day 1*

THEORETICAL COURSE

- Properties of CO₂;
- Safety issues with CO₂ ;
- Transcritical Cycle and main component descriptions;
- Components overview;
- Warmer climate application:
 - Adiabatic gas cooler;
 - Parallel compression;
 - Mechanical subcooling;
 - Vapour ejector;
- Overfeed system;
- CO₂ Systems in Transcritical application:
 - Booster MT/LT;
 - Booster Only LT;
 - Booster “full integrated”;
 - Pump recirculation System MT and LT;
 - Chillers;
 - Condensing units;
- Defrost with CO₂ ;
- Heat recovery with CO₂ ;



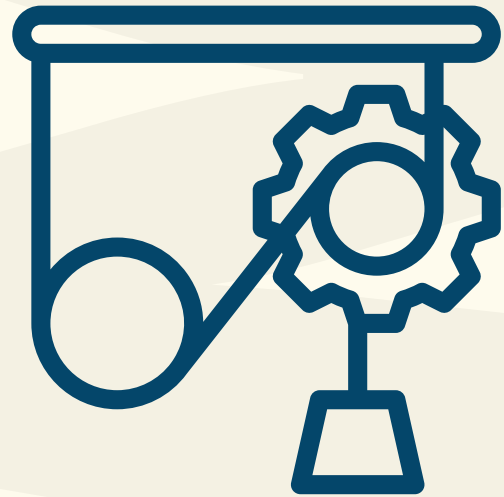
PRODUCTION TOUR



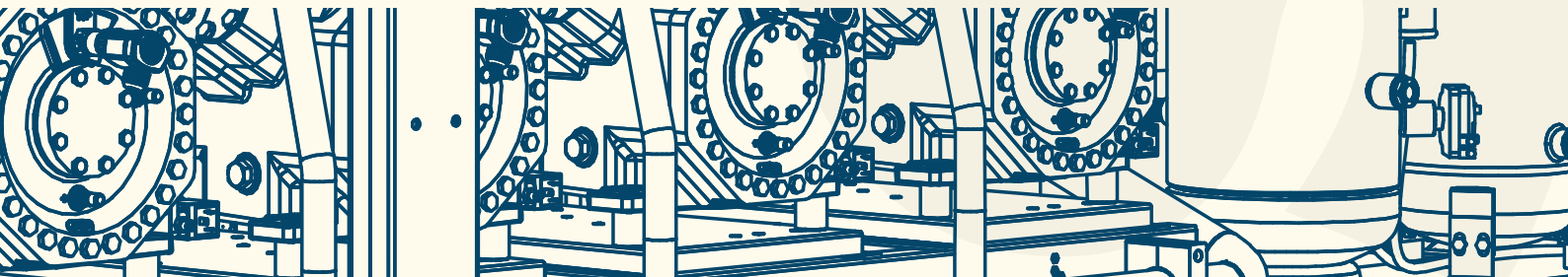
Typical training session *Day 2*

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;
- CO₂ 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



Scheduled Training Sessions

February

13 - 14

March

11 - 12

April

15 - 16

May

20 - 21

June

17 - 18

September

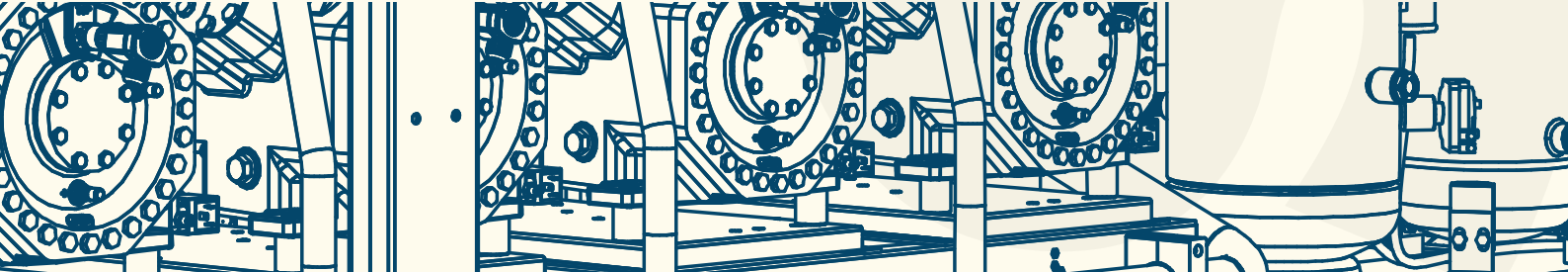
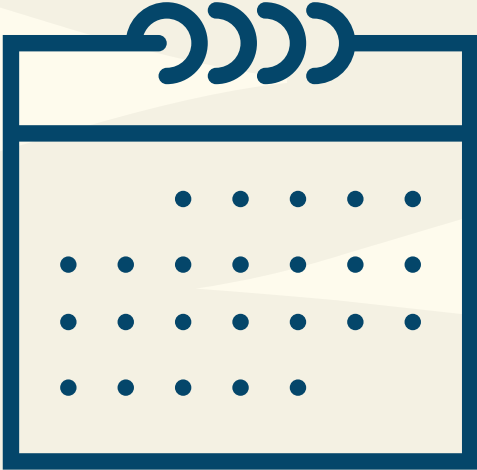
16 - 17

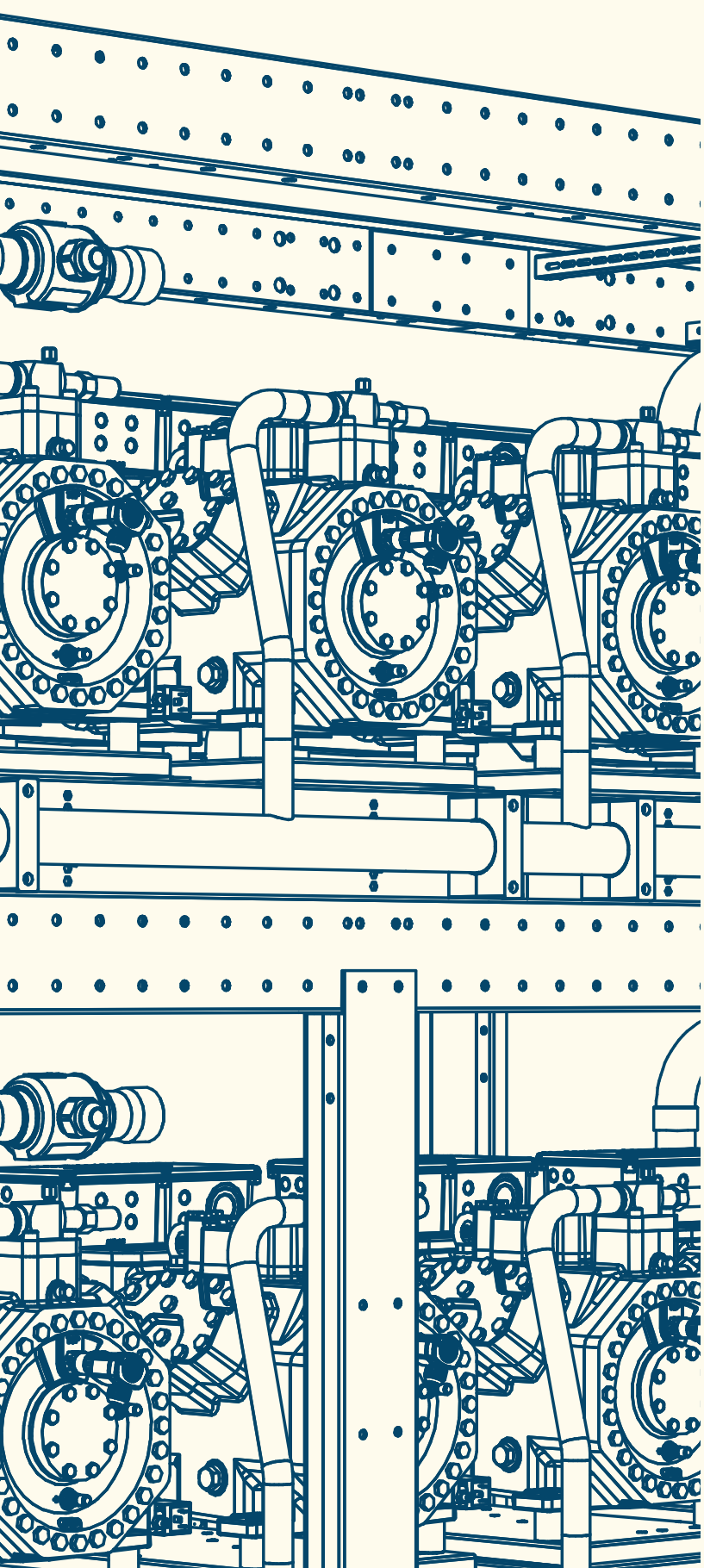
October

21 - 22

November

18 - 19





Partners



BEIJER REF

ACADEMY



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