



Repair and Electrical Assessment Training For PSA Medical Oxygen Plants

Purpose: This training package will prepare trainees to perform assessments of existing PSA plants, with the aim of determining if the plant can or cannot be repaired. Attendees will gain the skills needed to complete the repair assessment form and collect the information used to determine if a plant is repairable or not.

Who is this course for?

This course is intended to train a small team to travel to different PSA plants to assess them for quality. The team should consist of at least one person who can assess a PSA plant (biomedical engineer, technician, operations staff member) and at least one person who has a background in electrical systems.

Available in
English and
French!

Learning outcomes

Through classroom instruction, participants will:

- Learn how to fill out the repair assessment form completely and accurately
- Understand how the data gathered during the repair assessment form determines repairability
- Learn how to fill out the electrical assessment form completely and accurately
- Understand how the fields in the electrical assessment will inform potential PSA plant repair

This training is grounded in hands-on capabilities. Participants will put theoretical content covered in the classroom into practice during practical sessions. This enables them to practice new skills and gain valuable insights into how the site assessment form and electrical assessment form are completed in practice.

A repair assessment is performed in order to determine whether a PSA plant can be repaired. The assessment takes place when a plant is not functioning optimally, and is used to assess the condition of an existing installation, including component functionality and electrical systems. Training ensures that going forward, local staff can conduct proper repair assessments independently and work with BHI to determine repairability. Ongoing training and virtual support are available to reinforce knowledge and accountability, and to provide additional instruction as needed. The Terms of Reference for the training can include BHI remote assistance as trainees conduct the assessments and implement the forms. This includes remote support with the assessments and in the development of the reports and repair recommendations.

Real-world expertise

These courses were developed in close collaboration with engineers, technicians, and electricians with deep expertise in installing, maintaining and repairing PSA plants. BHI refines and improves training materials based on learnings from medical oxygen projects, and from previous editions of these courses.



For more detail on the exact topics this course covers or on the other PSA plant training BHI offers, please email oxygen@buildhealthinternational.org or visit bhioxygen.org

Training materials

All attendees receive:

- An electronic and spiral-bound copy of the training presentation
- A PSA plant repair assessment form
- A PSA plant electrical assessment form