



Advanced Training

For PSA Medical Oxygen Plants

This document was developed by Build Health International for the Global Fund's Project BOXER.

Purpose: An advanced training course can take the form of: 1) training integrated with a repair, 2) training on a specific component, and 3) training of trainers (ToT). Each form provides training on how to conduct complex maintenance, troubleshooting and repairs on pressure swing adsorption (PSA) plants. Advanced training aims to equip attendees with the knowledge and skills required to plan and supervise the maintenance of PSA plants.

Available in
English and
French!

Who is this course for?

- Experienced biomedical engineers and/or technicians with supervisor or training roles.
- **Participants need at least an intermediate level of PSA knowledge to take this course.**

When to take this course

For this course to take place, the body responsible for the PSA plant must first select the engineers or technicians who will operate in a supervisor or training capacity. Training is recommended to be taken soon after a PSA plant is commissioned. This allows attendees to immediately put into action what they have learned and retain and enhance their knowledge and skills. This course can be delivered immediately after completing BHI's PSA Plant Maintenance Training, or during a separate visit.

Customized Learning

This course is designed to be customized to local needs and contexts, in consultation with the attending country.

Some countries may require a focus on developing attendees to be able to train their colleagues in plant maintenance. Other countries will need a course geared toward teaching attendees how to conduct repairs and advanced maintenance on specific technical components of PSA plants.

Depending on the seniority of participants and the division of roles and responsibilities within a country's health system, some countries will have similar needs for both this course and BHI's Management Training course. Other countries will instead require this course to prioritize hands-on training and the development of practical skills.

Please contact bhi-gf@buildhealthinternational.org to discuss how this course can be customized to meet your country's context and needs.



Training materials

All attendees receive:

For more detail on the exact topics this course covers or on the other PSA plant training BHI offers, please email bhi-gf@buildhealthinternational.org or visit <https://www.theglobalfund.org/en/covid-19/medical-oxygen-respiratory-care-and-therapeutics/>

- An electronic and spiral-bound copy of the training presentation.
- A PSA daily maintenance checklist.
- A preventative maintenance plan.
- A PSA plant repair log.