



Site and Electrical Assessment Training

For PSA Medical Oxygen Plants

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

Purpose: These on-site courses, taught over two days, prepare trainees to 1) successfully complete a pre-installation PSA plant site assessment and 2) successfully assess a hospital or facility's electrical infrastructure for a future PSA plant. Attendees will gain the skills needed to complete the site assessment form and collect sufficient data to inform PSA plant sizing, location, and other key design choices.

Available in
English and
French!

Who is this course for?

Biomedical Engineers and Technicians, Facilities Managers, or Hospital Operations Staff. At least one person per assessment team must have a background in electrical systems.

When to take this course

A site assessment is performed in order to determine or verify the PSA plant specifications that will best meet the needs of a facility or hospital. The assessment typically takes place prior to procurement, and must occur prior to the start of construction or upgrades to the PSA plant site. Training ensures that going forward, local staff can conduct proper site assessments independently. Ongoing training and virtual support are available to reinforce knowledge and accountability, and to provide additional instruction as needed.

Learning outcomes

Through classroom instruction, participants will:

- Learn how to fill out the site assessment form correctly and effectively
- Understand how the data gathered during the site assessment form influences PSA plant planning and design
- Learn how to fill out the electrical assessment form effectively
- Understand how the electrical assessment will inform needed upgrades to the electrical system

This training is grounded in hands-on experience. Participants will put their theoretical knowledge into practice during daily 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.

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

bhi-gf@buildhealthinternational.org

or visit <https://www.theglobalfund.org/en/covid-19/medical-oxygen-respiratory-care-and-therapeutics/>

Training materials

All attendees receive:

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