

Solar Water Heaters Testing Lab in NREA



- The SWH Testing Lab was established in January 2017 to be aligned with the latest international standards ISO 9806 and ENI 279. It is one of the biggest labs in MENA region. It participates in The Solar Heating Arab Mark and Certification Initiative (SHAMCI) and also participates in an initiative to use of solar water heaters in industrial sector in cooperation with UNIDO. The lab provides technical service for local companies working in that field.

The laboratory provides the following tests:

- Performance test for system.
- Performance test for water collectors.
- Pressure drop test.
- Performance of solar air collectors.
- Static pressure test.
- Rain penetration test.
- Internal thermal shock.
- External thermal shock.
- Mechanical load test.
- Impact resistance test.
- Freeze test.
- Exposure test.