

Case Study:

Dulas provides Vaccine Refrigerator Training in Myanmar



Project Overview:

In 2017, the Solar International team led a five-day training programme in Naypyidaw, Myanmar's capital city, for Ministry of Health technicians. The training was delivered as part of Dulas' supply package of 25 WHO-accredited VC200SDD vaccine refrigerators, with the objective of educating local health workers on the importance of cold chain storage for vaccines, and to empower technicians with the ability to safely and effectively install, maintain, and operate the solar powered refrigerators to ensure that vaccines are not exposed to damaging temperatures.

A group of 25 Ministry of Health technicians received the training, and the course content gave participants a thorough grounding in the theoretical and practical aspects of Solar Direct drive refrigeration installation, operation, maintenance, fault finding and repair. This included knowledge and experience of electrical testing, PV solar arrays, refrigeration and an awareness of the necessary conditions to safely store vaccines.

“ Dulas has been delivering training as part of its refrigerator supply for over 25 years.”

Guy Watson, Head of Dulas Solar International



The participants came from a wide range of backgrounds with varying levels of previous experience, some with experience in electrical installation and cold chain administration, and only a few with previous experience with refrigeration. The course was structured to ensure that even those with no prior experience earned a broad understanding of all the issues, and came away with first-hand practical experience of all the stages required.

Project Outcome:

As a result of the training, all participants are equipped with the required training to operate and maintain the vaccine refrigerators Dulas provided, both in installation and after-care.

As well as an understanding of the technical elements of the Dulas VCSDD range, the training has armed health technicians with new skills and knowledge that can be applied across all their work at the Ministry of Health.

Technical Overview

Vaccine Refrigerator	VC200SDD
Vaccine Storage	132 litre capacity
Solar Panels	270Wp
WHO approved PQS	E003 / O40
Total number of refrigerator systems supplied: 25	