

# OFF-GRID SOLAR ELECTRIC SYSTEMS

## - Examples and issues



Two-way radio, medical centre, refugee camp, Tanzania



Portable solar lantern, Massailand, Tanzania



Girls' boarding school lighting system, Tanzania



Manual tracking module mount, KARADEA Solar Training Facility, Tanzania



Installing a small  
solar home lighting  
system,  
Tanzania



Ground mounted modules, France



Manual tracking module mount, France



Hospital, India  
Photo: SMA Technologie AG



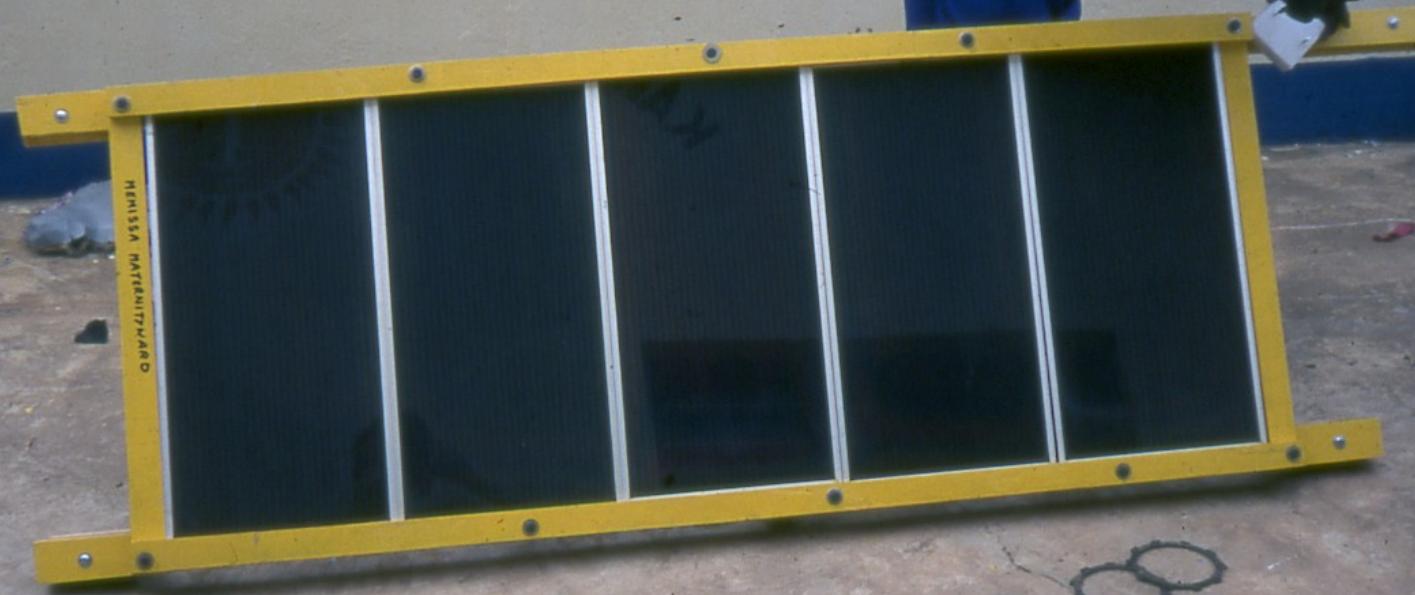
Mongolia  
Photo: SMA Technologie AG



Solar-wind hybrid system, Centre for Alternative Technology, Wales



Making metal mounts, Danial Kithokoi, Good Hope & Gaspar Makale, Tanzania



A wooden mount for thin-film amorphous modules, Tanzania



Battery box for  
two-way radio,  
Tanzania



Battery box for  
school lighting  
system  
reconditioned  
batteries,  
Tanzania



Battery boxes for staff solar systems, Wasso Hospital, Tanzania



Consulata assembling battery box unit, KARADEA Solar Training Facility, Tanzania



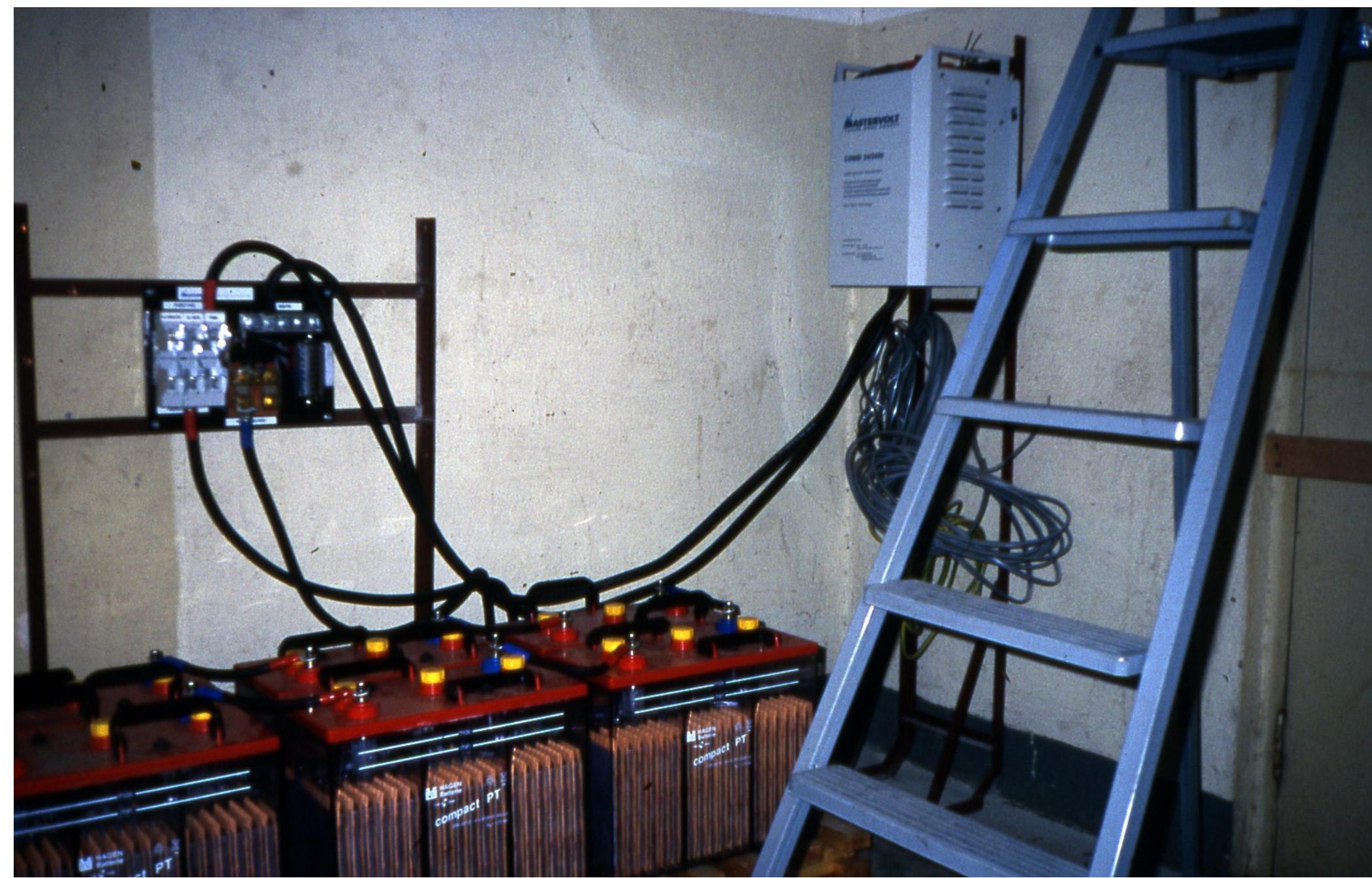
Medical fridge with new batteries, remote clinic, Tanzania



Azaria putting acid in new batteries – note goggles, gloves, bowls of water, Tanzania



Putting acid in new batteries – note goggles, gloves, bowls of water, Wasso Hospital, Tanzania



Batteries and Mastervolt inverter-charger, during installation, Wasso Hospital, Tanzania



Part of battery bank, Centre for Alternative Technology, Wales



Large system (now partially grid-tied), Centre for Alternative Technology, Wales

LOCALLY ASSEMBLED 10W LIGHTS DISPLAY BOARD



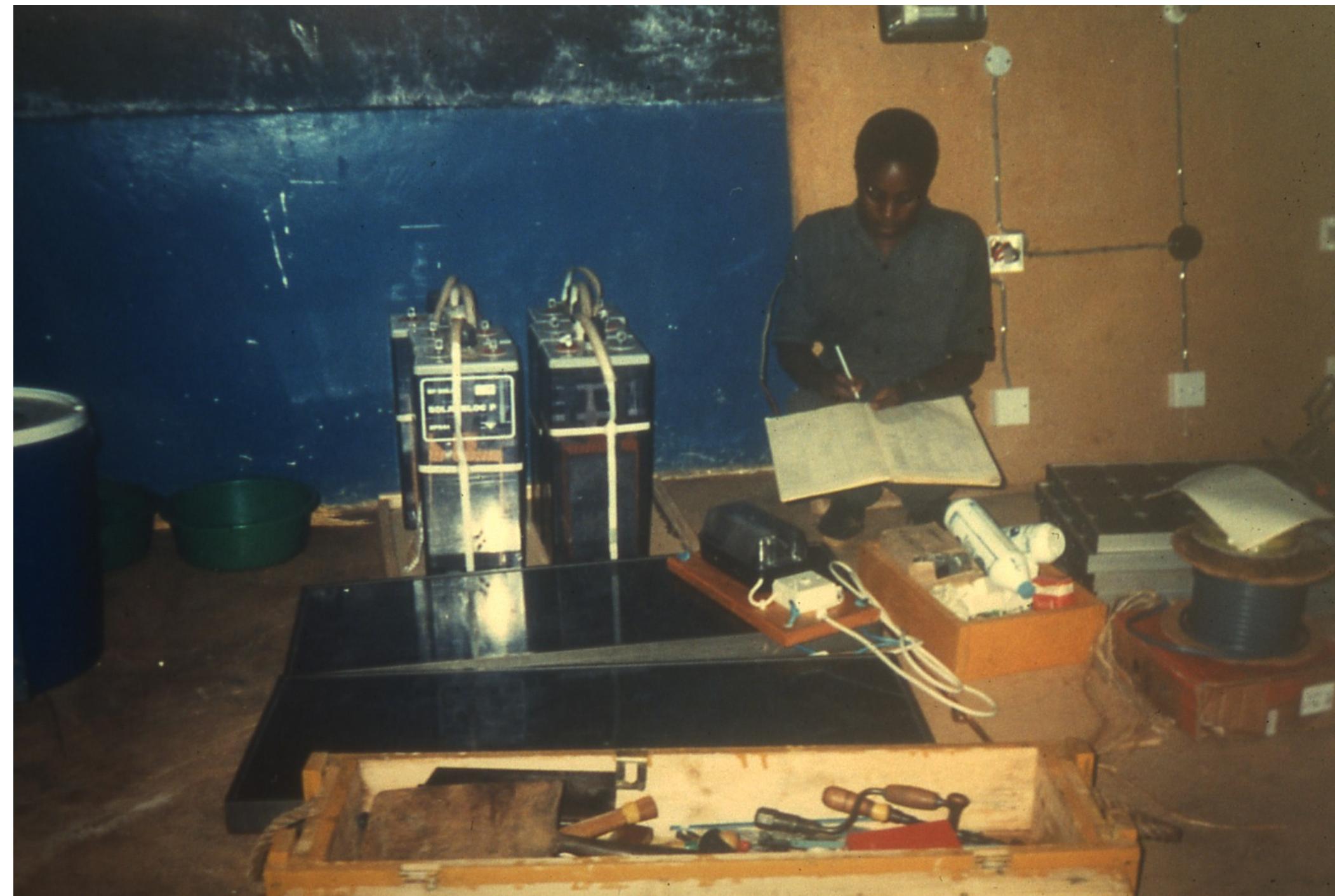
Display board for comparing lights, Energy Alternatives for Africa (EAA), Nairobi, Kenya



Improvised light at medical centre, Tanzania



Locally assembled plug-in light, Tanzania



Logistics – Farida makes a comprehensive list before the team sets off, Tanzania



Solar shop, Kampala, Uganda