Solar Shelter socket

Product innovation
• The Shelter Socket is in essence a wall socket used in ‘normal’ houses, yet solar powered and with lower voltage.

Product purpose
• Improve connectivity of refugees and internally displaced people (IDPs) living in temporary shelters
• Enable indoor lighting and charging of phones and other small USB devices.

Product design
• A solar power outlet that can be installed on any tent structure. The design is simple, cost-effective, durable and ergonomic.

Main innovations & improvements
• Magnet-pin locking system that allows the panel to be fixed directly to the tent canvas
• The magnets ensure the flow of electricity to go from the panel to the battery without cable
• Reduced risk of theft
• Possible to position at best sun exposure location.

Key information
• Affordable device, market price only €20 and €25 including a light bulb.

Testing & performance evaluation
• Successful trial in Ulaanbaatar, Mongolia – January-February 2015.