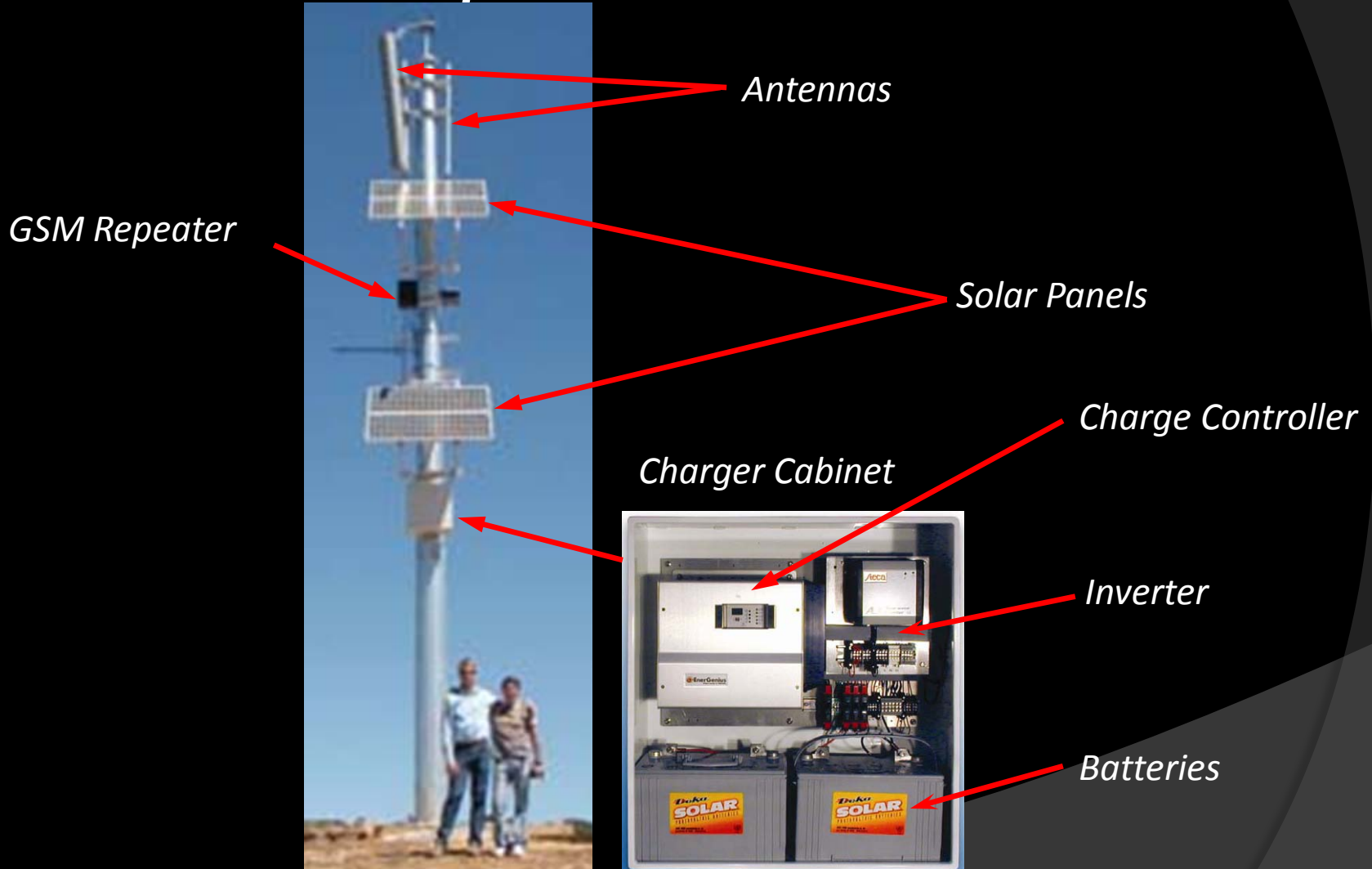


Solar Powered Repeater Site Installation



All data presented herein are general information only.

No part of this presentation should be reproduced, copied, duplicated and/or used without the written consent of the authoring organization.

© 2009, TOPSCOM TECHNOLOGY SOLUTIONS. ALL RIGHTS RESERVED.

Notes:

- *Repeater is in operation daily (ie. 24/7)*
- *Installation life expectancy is 3 - 5 yrs*
- *Location has 12 hrs of daylight /day*
- *Repeater AC Load is 250W max.*
- *Energy demand of Repeater is 6kW /day*

Calculations:

- *Load cycle demand: 3.6kW /night*
- *Size of Solar Panel: 500Wp*
- *Size of Battery: 480Ah*

Benefits:

- **Significant utility savings**
- **Energy independence**
 - *Total profit control, free from electricity utility payment*
- **Energy security**
 - *Total energy control, free from power outage / blackouts / disruptions*
- **Customer satisfaction**
 - *Reliable cell coverage translates to more subscribership (or higher revenue)*
- **Longer equipment life**
 - *Less damage due to power irregularity translates to savings in maintenance or replacements (or OPEX savings)*
- **Environmental friendly**
 - *Marketing leverage as a responsible global corporate citizen*