

## Reference case

### ATERSA - Spain

#### **NEFAB ExPak P Replaces Corrugated Solution**

##### **The ATERSA Case**

ATERSA is a company belonging to the American Astro Power Group and manufactures the full range of equipment and accessories required for any photovoltaic system configuration, such as solar panels. These modules are made of high-efficiency squared cells capable to produce power with only 4-5% solar radiation. At ATERSA's site in Valencia, Spain, solar panels were packed in triple wall corrugated cardboard boxes. Each box contained 20 panels and numerous shelves were needed to store and stack filled boxes. The space utilisation in the warehouse was not satisfying and therefore Nefab was asked to suggest a new solution.

##### **The Nefab Solution**

After performing a Pack-Audit, Nefab provided a NEFAB ExPak S prototype with a special pallet to simplify short side loading. ATERSA found the solution interesting since better space utilisation in the warehouse was obtained. It is now possible to stack eight boxes instead of three, making it possible to remove nearly all the shelves in the warehouse. Furthermore, each box contains 29 solar panels, which is an increase by almost 50%.

##### **The Benefits for Atersa**

The advantages for ATERSA were instantaneous. A total cost reduction of more than 11% was achieved; and with 90% of the shelving removed, a great deal more space was gained in the warehouse. During the last three years, no damages have been detected and Nefab has also been chosen as a "Complete Packaging Solutions" supplier.



Example of ATERSA solar panel



There is no longer a need for shelves, since stacking of filled boxes is possible



Stacking capacity increased from three to eight boxes with the new Nefab solution