

Reference case

Nefab ExPak S replaces large, heavy crate

The Customer Case

The customer operates in wireless, broadband and automotive communications technologies products. It transferred its EBTS (Enhanced Base Transceiver System) production from USA to Germany. It also had a mandate to find a new packaging supplier with international operations. The Pre-Audit Analysis of its previous packaging system for telecom cabinets showed it was not very cost-efficient. It consisted of a very large, non-collapsible wooden rack that was delivered with the inner fittings already in place. The packaging problems were escalating: very high freight costs due to the large and heavy construction; packaging that was not “environmentally friendly;” containers that could not be reused and more than one person was required for packing. The natural partner for finding a superior packaging solution was Nefab.

The Nefab Solution

A project team, consisting of both Nefab Packaging Engineers and designated representatives from the customer, was put in place to find suitable solution. After the Pre-Audit Analysis of the present situation, significant cost take-out opportunities had been found and the team developed a new type of crate made from plywood. They also improved the inner packaging material as well as the packing process itself. The new box, NEFAB ExPak S, is collapsible with reusable plastic clips.

Customer benefits

The Nefab solution presented a 40% lighter and 10% smaller box, which is cheaper and more environmentally friendly. The new solution also reduces the amount of labour required as well as the packing process time. Due to the reduced packaging weight, the customer has realised a 10% savings in freight charges per rack shipped. The total cost savings arising from Nefab’s packaging solution are over USD 245 per unit for the entire logistical flow.



Plastic Clip for sealing the NEFAB ExPak S



Horizontal shock resistance test