

# Reference case

## TRW, Poland

### *Design of inner packaging for airbags*

#### **The Customer Case**

TRW is a global actor in automotive safety. NEFAB was contacted as TRW needed packaging for a new flow of airbags from one of their facilities in Poland. TRW already had a set of steel containers, originally provided by NEFAB for another purpose, which they no longer used. The aim now was to use the existing container as an outer packaging for airbags and complement it with an inner packaging.

The customer required one universal tray for both left and right airbags that would make it possible to fit as many airbags into one steel container as possible. This would allow optimised transportation and easier handling. Since the airbags are loaded, the tray also had to give protection against Electro Static Discharge.

#### **The NEFAB Solution**

A 3D design initiated the design work that was undertaken in cooperation between NEFAB Packaging Development Centre, engineers from TRW and engineers from Izoblok, producer of EPP trays. After the 3D design a number of prototypes were made to make sure that the tray would fit for TRW's demands. NEFAB's design capabilities and a good relationship arising from earlier collaboration was why NEFAB was chosen to be the supplier.

The solution was an ESD protecting EPP tray that holds nine airbags per tray. A further, twelve trays were placed in a steel container, two trays per layer in six layers.

#### **The Benefits**

The customer was satisfied with the solution that allowed optimised transportation, better handling and easy access to the products on the production floor. They were also satisfied with reasonable prices, good lead times and ability to meet customer demands.

