

## Reference case

# TRW Braking Systems, Poland

## *Redesign of thermoformed tray to achieve optimised transports*

### **The Customer Case**

TRW Braking Systems contacted NEFAB in Poland when they needed a new packaging for boosters. The existing packaging consisted of thermoformed trays that held six boosters each and an outer packaging that fitted three trays. TRW now wanted to fit eight boosters in one tray and still be able to place three trays in the existing outer packaging.

### **The NEFAB Solution**

NEFAB Packaging Development Centre, engineers from TRW and engineers from Altomar, the producer of thermoformed trays, cooperated in the design work. 3D-designs and a number of prototypes were made to be certain that NEFAB could supply the tray that TRW wanted. Since three companies before NEFAB had not been able to design a tray for eight boosters, fitting into the existing outer packaging, NEFAB's design capabilities was the primary reason why their solution was chosen.

The eight booster tray designed by NEFAB was adjusted with colour stripes on one side and six hand holes to simplify the handling. It was also equipped with holes in the bottom for evacuation of excess water.

### **The Benefits**

The customer benefited from monetary savings the day the new tray was implemented. It is now possible to pack 24 boosters per outer packaging compared to 18 boosters with the old tray. There is no need to explain that this brings cost savings related to transportation and handling for TRW.

