



Military shelters Royal Australian Air Force

CHALLENGE

The Royal Australian Air Force (RAAF) issued a tender for military shelters which are **easy to move** for military aircraft maintenance and logistics operations. It had to be possible to **easily and quickly assemble and disassemble** them, and they had to be functional in **extreme weather conditions**. The longest component could not be longer than 230 cm in order to allow **transportation in 8 feet containers**. The military shelters had to **meet the Australian standards** for wind speed and snow loads.



SOLUTION

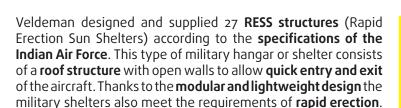
Veldeman won the tender and developed the **DAMALSH** (Deployable Aircraft Maintenance and Logistics Shelter), fully customized for the RAAF. This **prefabricated** military shelter has a design with mainly pin-connections and **can easily be built up** from ground level **with manpower only**. A forklift, cherry picker or other site equipment are not required when installing the military shelters. For ease of installation, customized **special assembly tools** were also developed. Two types of DAMALSH were developed: with a **flat gable** or with a **'big mouth' gate.** In the meantime about 15 DAMALSH shelters are used by the RAAF. The shelters have been **successfully deployed overseas** for military exercises and air shows in Australia.



Rapid erection sun shelters Indian Air Force

The avionics (electronics) aboard the SU-30 fighter aircraft of the Indian Air Force sometimes became overheated if the airframes remained unprotected and without air conditioning in the sun for long periods. This caused serious security risks for both the airframes and pilots. A military shelter solution became a necessity.

CHALLENGE



SOLUTION



