

V-22 Seat Covers



★ CLIENT PROFILE

Israel Aerospace Industries (IAI) is globally recognized as a leader in developing military and commercial aerospace technology. This distinction is the result of nearly half a century of designing, engineering and manufacturing, for customers throughout the world.



THE CHALLENGE

IAI Golan was receiving complaints about some of the seat cushions they designed and manufactured for the V-22. The seat's metal frame hit the back of the pilot's knees, causing his legs to lose circulation. Additionally, when the seat was not in use, it is closed against the aircraft. When the seat is open, the weapons of the soldiers were getting hung up on the seats, which posed a danger to the pilot.

After learning about the work FSM had completed for PAX Naval Air Base, IAI Golan reached out and asked for help.

AND THEN SOME...

FSM approached the issue with the goal of enhancing both comfort and safety. Taking into account the fact that pilots are typically in their seats for several hours, FSM's innovative seat designs employed memory foam. The new seats also incorporated a customized pocket that added cushion between the frame of the seat and the pilot's knees.

Additionally, FSM created customized weapons sleeves on each of the seats to remedy the dangers of hanging the artillery on the seat backs.

