# Radome Design

Parker Meggitt (Baltimore) has been designing radomes for unique and challenging applications for over 50 years. Today, our engineers are equipped with the latest and most powerful equipment, computer-aided engineering tools, and software packages to create new radome designs. For electrical design and analysis, we begin all radome optimization efforts with a 2D electromagnetic software tool to assess electrical performance of thousands of candidate radome configurations. Depending on radome requirements, additional 2D validation can be performed. These two different tools use different underlying mathematical routines, which allows an independent verification of the results. When applicable, once 2D modeling is complete, we will perform a full 3D electromagnetic simulation. The design engineering team is capable of performing all phases of the design process from modeling to computational fluid dynamics. Our product development process ensures that customer requirements as carefully tracked throughout the design phase of a program.