

# VAYYAR IMAGING

Vayyar Imaging is the global leader in 4D imaging radar, providing affordable, highly advanced sensors to a wide variety of industries.



**“SIMULIA CST Studio allows us to evaluate design performance accurately before manufacturing, contributing to success on the first try.”**

— Raviv Melamed, CEO, Vayyar Imaging

## Challenge

To develop its medical technology, Vayyar Imaging needed to learn and control the anatomical properties of the breast tissue in test subjects at clinical trials, and master the device capabilities within a limited number of trials. Facing lengthy design cycles with existing 4D imaging radar applications, the company had to meet tight project schedules with multiple constraints and limited resources.

## Solution

The company used SIMULIA CST Studio Suite to supplement costly and difficult clinical trials with precise system-level simulation, and to estimate radar range, performance and field of view early in the design process and before the manufacturing stage.

## Benefits

Thanks to the solution, Vayyar Imaging improved its ability to accurately detect breast cancerous tissue along with substantial bill of materials (BOM) cost reductions, while maintaining performance in compliance with required specifications.