

AlphaSTAR Corporation provides innovative physics-based simulation software technologies for material modeling, structural analysis, and additive manufacturing of advanced composites utilized by the aerospace, automotive, defense and energy industries worldwide. Offering unique capabilities in fatigue, durability & damage tolerance, our tools will support engineers throughout the design cycle commencing from experimental testing to end-product fabrication.

Software Products:



ASC consists of Material scientists, educators, and industry professionals working together to leverage thirty plus years of aerospace, automotive and energy subject matter expertises in testing, simulation and computational analysis of advanced materials & structures. Figure 1. Below shows a full cycle of capabilities available via ASC software tools.

Figure 1. ASC VIRTUAL WORKFLOW:



AWARDS & PUBLICATIONS

2015-R&D 100 Award, 2004-NASA Columbia Accident Investigation Board Award; 2001-US Senate/Tibbetts Small Business Administration Award; 2000-R&D 100 Award; 2000-NASA Turning Goals Into Reality; 1999-NASA Software of the Year Award; 1999-NASA Best of the 90's; Over 240 Technical Publications; Over 100 peer reviewed Journal articles and Five Books