

# DOUG DECKER

2512 RALSTON LANE REDONDO BEACH, CA 90278

(310) 363-0421 ▪ doug.decker@thecompositesconsultants.com

## Background

My expertise is in building large, integrated, bonded, composite structures with a focus on how to build them economically while still meeting demanding performance requirements. I have a passion for shaping programs through their demonstration and validation phases, including limited-run, demonstration efforts.

I retired from Northrop Grumman as a senior Technical Fellow after a successful career of working on aircraft, satellites, and ship structures. I received a Bachelor of Science degree in Aeronautical Engineering Technology from Arizona State University in 1981 while under a football scholarship.

## Experience

**President** ▪ April 2019 - Present

**The Composites Consultants** ▪ Redondo Beach, CA



The Composites Consultants Group's goal is to provide experts that offer practical solutions to real-world challenges. The company draws on hand-picked experts with decades of hands-on experience in both the defense and commercial industries.

**Tech Fellow** ▪ January 1991 - April 2019

**Northrop Grumman Corporation** ▪ El Segundo, CA

Working in the Manufacturing Technology Department on diverse platforms including the F/A-18 E/F, B-2 Bomber, F-35 Fighter, Global Hawk and Triton unmanned systems as well as other, significant, restricted programs. I led a diverse team of engineers pioneering the development and transition of new, advanced composite design, and build processes. The build approach formed the backbone of a current, major DoD, restricted program. I specialized in the development and transition of large, integrated, bonded structures into production. (Both autoclave and out-of-autoclave systems.)

**Member of the Technical Staff** ▪ March 1987 - January 1991

**TRW Corporation** ▪ Redondo Beach, CA

Work Unit Manager for the MILSTAR Satellite Program. Working in the M&P Department, I was responsible for advanced composites, Materials & Process related matters. While at TRW, I honed my understanding of the close relationship between efficient, producible designs and weight. I successfully developed and transitioned a method for the design and fabrication of a critical backup structure utilizing RTM processing on a braided structure with a eutectic alloy, trapped mandrel.

**ManTech Engineer 1-3** ▪ October 1981- February 1987

**Northrop Grumman Corporation** ▪ El Segundo, CA

My initial work at Northrop Grumman was the fortunate beginning of the development of my composite skills and knowledge, grounded through the hands-on fabrication of composite structures. I was able to learn the capabilities and limitations of the systems through real-world experience on the F/A-18 C/D and YF-23 fighters and the B-2 Bomber, as well as numerous CRAD efforts.

# DOUG DECKER

## Education

Arizona State University

1981 ▪ Bachelor of Science in Aeronautical Engineering Technology (Football Scholarship)

## Honors and Awards

- 2019 SME "Jud" Hall Composite Manufacturing Award
- 2017 SME College of Fellows
- 2007 Northrop Grumman President's Award for Innovation
- 2001 Lockheed Martin Aero Star Award
- 1990 TRW Chairman's Award for Innovation
- 1989 TRW Cost Reduction Award
- 4 Patents Related to composite fabrication and assembly methods