

# Advanced Composite Structures Improving the Quality of Helicopter Care

**T**he invention of helicopters was fundamentally driven from the demand to have an aircraft that possess high maneuverability and versatility compared to its counterpart, the airplane. Like every vehicle, a helicopter too experiences a period of rest during its much-needed maintenance. And out of all the intricate moving parts in a helicopter, the rotor blades are one of the most difficult components to maintain and repair without the right technology and expertise. Thankfully for aviation operators across the globe, Advanced Composite Structures (ACS) offers the most reliable and affordable aircraft component repair and maintenance services to keep their helicopters mission-ready at all times.

Founded in 1988, ACS has amassed a large amount of subject matter expertise alongside a comprehensive understanding of the market's ever-evolving needs. Owing to its extensive experience of interacting with the aviation industry, the company's clients are provided with expeditious and cost-effective rotor blade maintenance services. "We fix problems, not symptoms," mentions Bruce D. Anning, owner and VP of technical operations at ACS, highlighting ACS' approach to addressing its clients' needs. The company focuses all its efforts toward delivering superior customer experience to the end user and becoming the world leader in rotor blade and composite repair technologies. "We are available 24/7, 365 days to support our clients, and this allows us to

embrace and overcome the challenges of performing repairs that are going to be long-lasting," adds Anning.

The secret behind the company's high-quality services lies in its ability to marry experience with continual innovation, which results in helicopters that fly better after leaving ACS' shop floor. "We house some of the best blade technicians and engineers who also have a comprehensive understanding of the many facets of the business and truly innovate," states a

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Bruce D. Anning

proud Anning. This has benefitted ACS greatly as the company's holistic service approach achieves extremely desirable results.

To further elaborate on ACS' attention to detail when servicing its clients, Anning shares a few insights about his company's repair methodologies. ACS' engineers focus on repair designs that address the localized defective area of the rotor blade resulting in a cost reduction, while at the same time maintaining the appropriate level of safety. An example of this would be the methodology with respect to Leading Edge strip damage where maybe only 10 percent of the LE strip is defective, ACS would therefore apply the repair process to that specific defective area. This not only eliminates unnecessary downtime of the helicopter but also saves clients thousands of dollars in the overall upkeep of their aircrafts.

Moving forward, the company intends to continue delivering its comprehensive repair services through a harmonious combination of experience and innovation. With worldwide geographical expansion afoot, ACS' strategy is to have services readily available in locations where market demand is high to allow for better access to its customers. ACS' objective is to maintain the "Big Mac" Index – service, quality and value must be consistent no matter where the ACS facility is located in the world.

The goal for the company revolves around providing clients with the best-in-class repair and maintenance services for the aviation industry, where repair cost is never a concern and quality always comes first. **AD**