reliability, efficiency, performance, profits
Maximizing turbine availability, reliability and energy production

Modern wind turbines need to be reliable, efficient and most importantly, cost effective. They need to adapt to any wind conditions, operate in the harshest climates, and always be up and operating in the most remote locations.

Wind turbine OEMs must push the performance limits of their turbine to remain competitive and maximize wind park revenue potential. In response, through its Windtec Solutions, AMSC works to extract optimal energy from the wind by enhancing turbine performance, increasing component expectancy and improving power quality. Our smart control systems help lower the Levelized Cost of Electricity (LCoE), enable wind to compete more effectively with convectional power sources and allow customers to increase profits.

This need for smarter solutions is even greater in the offshore arena. Harsh climates and remote locations make turbine reliability and efficiency essential.

Increasingly, the industry is demanding a world-class power generation plant – guaranteeing high availability, enhanced durability, and precision quality and control – so that every possible kilowatt-hour can be extracted from the wind.

We are meeting this challenge.

Through its Windtec Solutions™, AMSC provides an array of turbine controls and systems.

Whether you want an entire wind turbine control system or just individual system components, we have what it takes to complete your turbine power electronics controls strategy.

Through its Windtec Solutions, AMSC provides customers with world-class solutions, expertise and experience for mechanical design and analysis, electrical controls, as well as a state-of-the-art, high-performance design for onshore, offshore, near shore – and all climate conditions. AMSC’s ability to provide customers with this all-encompassing solution is unique to the industry.

Our wtECS Electrical Control Systems provide higher availability, reliability and optimized energy output from your wind turbine, wherever your operations, whatever the conditions.

Providing reliability under unreliable climate conditions. The proof is in the performance. Our integrated solutions maximize energy output while minimizing barriers to business.
About AMSC’s Windtec Solutions™
AMSC’s Windtec Solutions enable manufacturers to launch best-in-class wind turbines quickly, effectively and profitably. We provide conceptual and detailed designs for complete wind turbines and advanced drivetrain systems. In addition, we provide a broad range of volume manufacturing support services, including supply chain development, localization and employee training. Our offerings also include advanced wind turbine electrical control systems that ensure highly reliable and efficient power flows. Whether you are a new entrant or a proven wind turbine manufacturer, our commitment is to provide you with the solution that delivers competitive advantage, lowers the cost of energy and enhances your return on investment.

We can do all of this for you; we are the partner you can turn to.

About AMSC®
AMSC (NASDAQ: AMSC) generates the ideas, technologies and solutions that meet the world’s demand for smarter, cleaner … better energy. Through its Windtec Solutions, AMSC enables manufacturers to launch best-in-class wind turbines quickly, effectively and profitably. Through its Gridtec Solutions, AMSC provides the engineering planning services and advanced grid systems that optimize network reliability, efficiency and performance. The company’s solutions are now powering gigawatts of renewable energy globally and enhancing the performance and reliability of power networks in more than a dozen countries. Founded in 1987, AMSC is headquartered near Boston, Massachusetts with operations in Asia, Australia, Europe and North America.

Talk to us about
• Solving your most complex power challenges
• Enhancing competitive advantage
• Improving your system’s performance, reliability and profitability

Whether you wish to make new advances in renewable technology, optimize power generation or delivery, or simply gain a better understanding of the issues you face, please get in touch. We’re here to help.