



Growing Demand for **Aviation** Parts Suppliers

White Paper DEKRA Audit

In 2022, travelers took to the skies in droves, as pandemic restrictions lifted and air travel fueled up to reconnect the world. It's a telling sign for the booming commercial aviation industry, which—global pandemics notwithstanding—grows larger with each passing year.

Airbus, the world's leading commercial aircraft manufacturer, predicts an annual 3.6% growth in demand for passenger traffic over the next 20 years, according to its latest Global Services Forecast.¹ The company's closest competitor, Boeing, agrees: The Boeing Market Outlook (BMO) projects a \$9 trillion market over the next decade for aerospace products and services, a forecast up from \$8.5 trillion a year ago.²

As demand for air travel and freight expands, the market for industry suppliers becomes increasingly competitive. Savvy manufacturers seek a competitive edge by augmenting efficiency and boosting profits. One key advantage in the race through the skies? AS9100 certification, a worldwide quality standard for manufacturers, dealers, and maintenance personnel in the aerospace and defense industry.

Commercial Aircraft Services Market to Double in Value by 2041

Aerospace market opportunities are gaining speed and show no signs of slowing down anytime soon. Airbus expects the services market to double in value over the next 20 years—from \$95 billion today to over \$230 billion in 2041. And all that increased traffic? It requires additional passenger and freighter aircraft. Airbus forecasts a demand for 39,490 new aircraft from 2022–2041.³ As a result, the number of people working in aviation services, keeping the world's fleets flying on a daily basis, is set to increase by a further 2 million.⁴

Within the BMO, the Commercial Market Outlook (CMO) projects 10-year global demand for 19,000 commercial airplanes valued at \$3.2 trillion. The 20-year commercial forecast puts demand at more than 43,500 new

airplanes valued at \$7.2 trillion. Boeing anticipates defense and space markets will remain stable and reliable, their “enduring demand driven by geopolitical and security challenges.”²

Boeing Global Services president and CEO Ted Colbert says, “Our customers are preparing for growth, and we see fleet modifications and continued parts consumption going hand-in-hand with the global fleet expansion. This demand will be coupled with the continued adoption of digital tools and services to enhance fleet readiness, reliability and efficiency.”²

As service personnel adapt to new aircraft types, they'll need to gain and maintain certifications.

¹ <https://www.airbus.com/en/products-services/commercial-aircraft/market/global-market-forecast>

² <https://boeing.mediaroom.com/2021-09-14-Boeing-forecasts-9-trillion-aerospace-market-opportunities-in-commercial-defense-and-services-over-next-decade>

³ <https://www.airbus.com/en/products-services/commercial-aircraft/market/global-market-forecast>

⁴ <https://aircraft.airbus.com/en/market/global-services-forecast-gsf-2022-2041>



What Is the Aviation Industry Looking For?

Business in the air isn't so different from business on the ground: Some companies just fare better than others in a competitive environment. As in most other industries, aerospace and defense industries seek enterprises with stable employment conditions, a low employee turnover rate, low rate of injury, and adroit workers.

Translation? Safety, reliability, and quality are paramount for manufacturers and suppliers, as well as in production and maintenance.

Comprehensive quality management along the entire supply chain is essential—and urgent. Quality management certifications are effective methods of ensuring strict control of business and manufacturing practices. They show companies who has ample credentials, documentations, control, and a policy for continual improvement. In particular, certification to the AS9100 standard for aerospace quality management demonstrates the exceptional performance demanded by customers and aviation authorities, differentiating certain manufacturers from their rivals.



Success With AS9100

The AS9100 series of standards—for manufacturers, dealers and maintenance personnel in the aerospace and defense industry—is valid worldwide. (The contents of the American standard AS9100, the Asian standard JISQ 9100, and the European standard EN9100 are identical.)

Certified companies are included in the International Aerospace Quality Group's (IAQG) online database OASIS, which can serve as an effective introduction to potential customers. Some well-known producers even regard AS9100 certification of suppliers as a prerequisite for joint cooperation. Most important, AS9100 certification goes a long way toward demonstrating reliability and building trust with customers.

Advantages of AS9100 Certification

- ▶ **Worldwide market access**
- ▶ **Active risk management**
- ▶ **Access to OASIS database**
- ▶ **High compatibility with other management systems**
- ▶ **Identification of vulnerabilities in the supply chain**

Management System
AS9100D

www.dekra-seal.com



DEKRA: Fulfilling Your AS9100 Needs

As a global leader in safety solutions and quality management, DEKRA is perfectly positioned to help you certify your quality management system to AS9100, AS9110, and AS9120. Our certification program is tailored to aerospace and defense industry requirements, including risk analyses that allow companies to improve processes and boost their competitive edge—at a sustainable level. DEKRA’s experienced auditors carry out comprehensive analyses and assessments, and they draw from years of experience to conduct thorough, knowledgeable, and impartial quality management system audits.

The soaring demands of the aerospace industry—and the demands it places on aviation suppliers and manufacturers—climb higher every year. DEKRA does more than help you keep up. Our certification programs and expert guidance can propel you miles ahead of the competition. Whether your organization is dedicated to the aviation, space, or defense industry, or just beginning to explore the potential of diversifying into those products and services, connect with DEKRA to learn more about AS9100 certification: [dekra.us/as9100](https://www.dekra.us/as9100)

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