

# About Clairus

Clairus is an independent company that provides system engineering, system design, and system validation services for the Air Traffic Control industry.

Air Traffic Control and Air Traffic Management are changing. With more airplanes, larger, more complex airports, and shorter airline turnaround times, the industry is more reliant upon new technologies than ever before. These new technologies include Surface Multilateration, Wide-Area Multilateration, Automatic Dependent Surveillance, Surface Movement Radar, Data Fusion, and Automation systems. If you have questions regarding these new technologies, Clairus can provide clear, unbiased answers.

With vast experience designing, installing, and testing state-of-the-art Advanced Surface Movement Guidance and Control Systems, Clairus can help Air Traffic Control and Airport Ground Control providers know that the systems they rely upon are safe by continuously validating the performance of their systems. Clairus knows what these systems are designed to do, and knows how to verify that they are working correctly.

Clairus also has considerable experience working with Wide-Area Surveillance systems. Both Multilateration and Automatic Dependent Surveillance can allow for safe Air Traffic Control practices in areas that may be unserviceable by traditional radar technologies. These distributed-architecture technologies allow for reliable and economical ATC services. Clairus can integrate these technologies into your airspace.

Clairus can design, capture, analyze and validate your new ATC technology.

Contact us today to see how you can put the expertise of Clairus to work for you.

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or via email :: [info@clairustech.com](mailto:info@clairustech.com).

Clairus provides world-class systems engineering solutions and consulting services within the Air Traffic Control industry.

## Air Traffic Control

- :: Independent Design, Analysis, and Validation of state-of-the-art Air Traffic Control Systems
- :: Extensive Domain Expertise: Application of A-SMGCS, Multilateration, SMR, and Fusions technologies
- :: Validation of system performance for new and existing systems

## Systems Engineering

- :: Development of System Specifications and Performance Requirements
- :: Development of System Architecture and System Design
- :: Simulation and Modeling of complex systems using large data sets
- :: Communication Interface Design, Specification, and Testing
- :: Fault and Failure Mode Performance Modeling
- :: Acceptance Testing and Recurring Validation Plans

Clairus provides design, simulation, test, and training services for owners of Air Traffic Surveillance Systems that use Radar, Multilateration, and ADS-B technologies. By combining traditional principles with state-of-the-art techniques, Clairus provides highly capable yet cost-effective services.

Clairus offers a wide range of technical services – assisting you with world-class technical services for your sensor system design, sensor network design, system design, system specification, and/or system validation projects. Clairus provides general systems engineering services as well as specific services to the Air Traffic Control community.



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