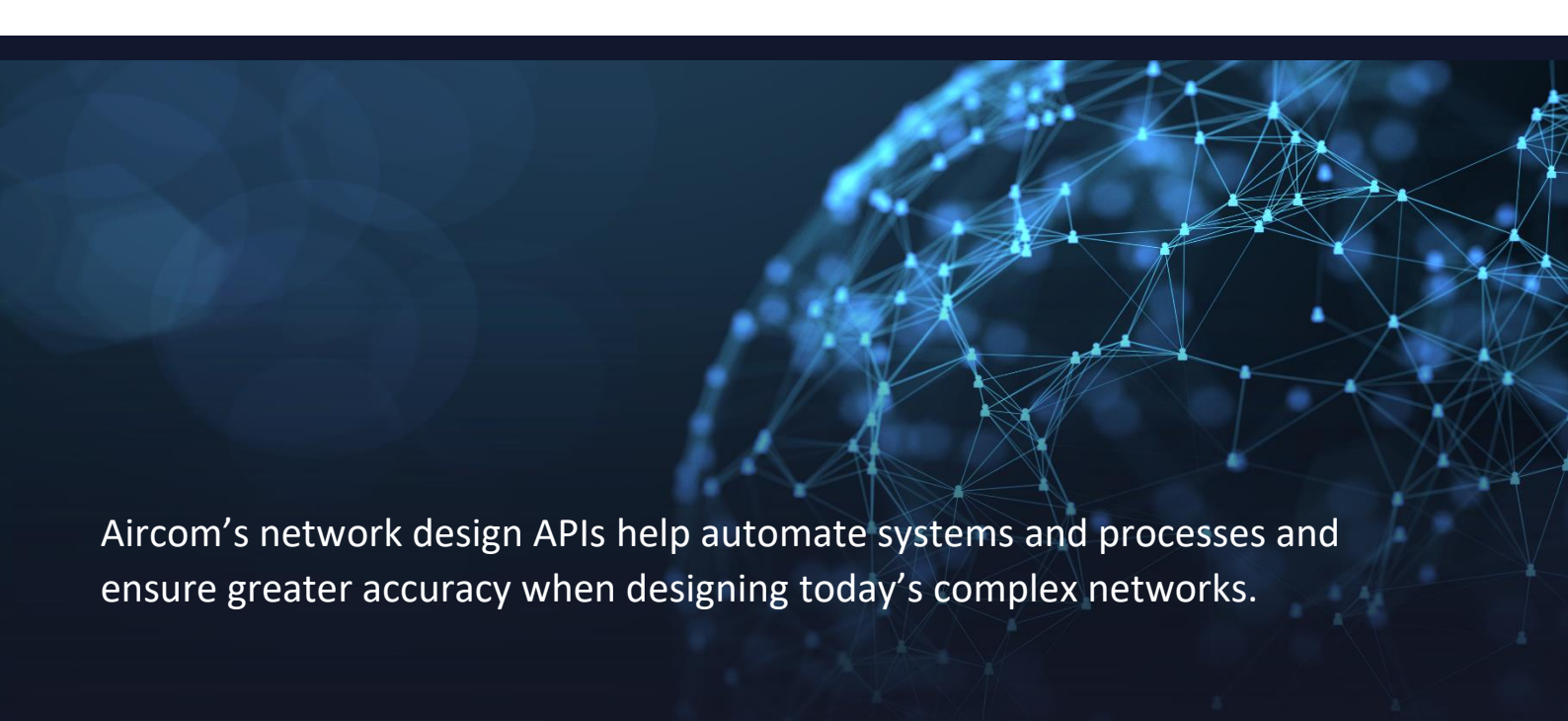




NETWORK DESIGN APIs and AUTOMATION



Aircom's network design APIs help automate systems and processes and ensure greater accuracy when designing today's complex networks.

APIs play a crucial role in designing mobile networks – providing the necessary mechanisms for seamless integration, automated workflow orchestration, and real-time data exchange across diverse network environments, software systems, and components. This makes them essential for zero-touch automation.

Aircom's APIs complement our products by enhancing information exchange between systems, leading to better information sharing across the organization and the full automation of many network design tasks. That means groups like Marketing, Customer Service, and Field Teams, can get key RAN-based business insights when they need them.

Aircom's Network Design APIs complement the ASSET product suite:

- **ASSET Event Publisher** - Event based component that advertises changes made to the ASSET database.
- **Enterprise Data Services** - A REST API providing access to ASSET's data model.
- **Enterprise Arraywizard Service** - For producing coverage map arrays used in other applications.
- **Coverage Generation** - For creating coverage maps using your existing component infrastructure.
- **Pathloss Generation** - An API for producing antenna-based pathloss.
- **Prediction Access Module** - For accessing ASSET's cached pathloss data.
- **Planner API** - For LTE and 5G code planners



Simulate network design scenarios.

By easily accessing ASSET's Data Model through the Enterprise Data Service API, users can capture the necessary data to run advanced simulation scenarios and improve the efficiency of network planning engineers.



Generate pathloss and coverage insights from anywhere.

Employ our Pathloss and Coverage Generation APIs to create pathloss data and detailed coverage maps. Integrate these APIs into your workflow and democratize the access to coverage maps across the organization.



Improve 4G and 5G physical cell identity (PCI) planning.

An API for radio planners and optimizers that enables easier PCI conflict management and planning. Simply invoke the API in your workflow and let ASSET do the rest.

Network Design APIs and Automation are part of aircom's ASSET Suite, a comprehensive planning portfolio designed to deliver cost-effective, high-performance networks.

The ASSET Suite consists of the following products:



ASSET Radio

Radio network planning. Coverage, capacity, cell parameter and neighbor planning for wireless networks.



ASSET Backhaul

Wireless backhaul planning. Microwave link planning, path profiling and frequency interference analysis.



ASSET Design

Automated network design. Automated optimization of existing cell configurations, as well as the placement of new sites.



ASSET Evo

Web UI for planning tasks. A lightweight and fast workflow-based UI for common planning tasks.



ASSET Update

Planning tool update. Update ASSET with actual network configuration settings to enable planning from a valid baseline.



ASSET Geo

Geolocated usage maps. Enables more accurate radio network planning and network design optimization.



About Aircom

Aircom is a leading provider of RAN analytics, design, and optimization solutions to communication service providers worldwide.

Aircom is a brand that you have known and loved for many years, now backed by the financial strength of TEOCO.

For over 25 years, aircom has enabled mobile operators to automate how they plan, configure, and optimize their networks. This is even more critical when dealing with complex services like fixed wireless access (FWA), 5G standalone, private networks, and IoT, where everything needs to work in harmony to deliver a supreme customer experience. Through advanced analytics, our products provide actionable and measurable insights into network and customer behavior.

Cutting-edge products and services.

Market-leading solutions for addressing today's complex RAN environments.

Innovation is in our DNA.

We have the latest AI/ML-powered algorithms, automation, and new services to revolutionize your RAN.

Trusted by the world's leading service providers.

With 125+ customers in 100+ countries, we have the knowledge and experience you're looking for.

With decades of experience and a customer list that spans the globe, aircom helps its customers improve service quality, resolve network challenges, automate processes, and establish a competitive edge.

Trusted globally

2000+

Users logins into aircom tools daily

125+

CSPs run their networks using aircom tools

100+

Countries with active aircom tools & services