aerostrat

PERFORMANCE STARTS WITH A PLAN

Built for
Airlines & MROs

About Aerostrat

Founded in 2015, Aerostrat set out to revolutionize maintenance planning with modern base planning software for airlines and MROs. Our goal is to streamline maintenance forecasting, planning, and optimization processes seamlessly.

Aerostrat provides airlines and MROs with a robust platform that surpasses existing base planning products. From labor and maintenance capacity planning to advanced forecasting, Aerostrat enhances productivity across planning organizations.

In the digital era, security is paramount. Aerostrat emphasizes security, following enterprise and international best practices. With ISO/IEC 27001:2022 certifications, SOC 2 - Type 2, and third-party pen. test, Aerostrat ensures the safety of customer data.

At Aerostrat, we prioritize our customers, fostering strong partnerships through active listening and transparent communication. Driven by our passion for technology, we're dedicated to revolutionizing maintenance planning tools, empowering teams to make informed decisions efficiently.

Product Overview: Why Aerros?

Efficient Fleet Management

Aerros is a comprehensive program tailored for managing airline or MRO heavy maintenance programs. It streamlines fleet lifecycle planning, empowering you to focus on execution and decision-making.

Production Focus

Aerros provides a centralized production schedule, aligning all stakeholders without traditional overhead. Airlines can grant vendors and locations real-time access, while MROs can showcase maintenance availability to airline customers, eliminating endless email threads and documents.

Robust Scenarios

Aerros offers unparalleled "what-if" and scenario planning capabilities. Users can create and run unlimited scenarios across various variables and constraints, facilitating quick decision-making.
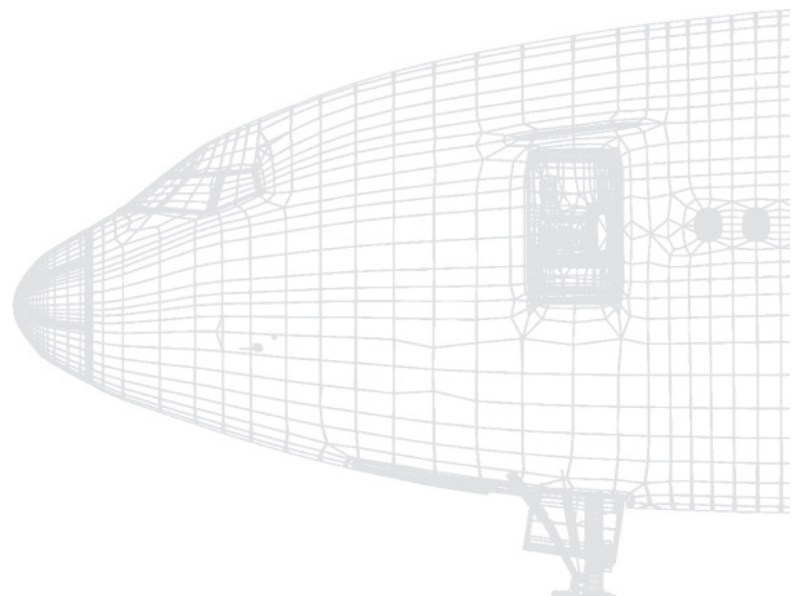
Comprehensive Maintenance Planning

Aerros stands out as the only base maintenance planning software to fully consider all aspects of maintenance events, including maintenance and labor capacity. It enables detailed planning with insights into labor hours and skills required for each visit, facilitating accurate forecasting and visualization of maintenance needs.

Proven Results

Our customers have witnessed significant benefits with Aerros:

✓ **Fleet Expansion:** Handle fleet size increases with minimal manual changes.

✓ **Plan Enhancement:** Increase plan detail by up to 900% and plan length by 400% for comprehensive maintenance strategies.

✓ **Budget Efficiency:** Reduce time to budget by 80%, optimizing financial planning processes for enhanced efficiency.

Production Schedule

Upon logging into Aerros, users are greeted with the "Heavy Maintenance Schedule," a read-only view displaying the maintenance schedule.

Here, stakeholders can interact with events and access comprehensive details, including date, time, and all maintenance requirements scheduled for each event, without any limit. Additionally, event-specific notes are conveniently displayed on the summary tab.
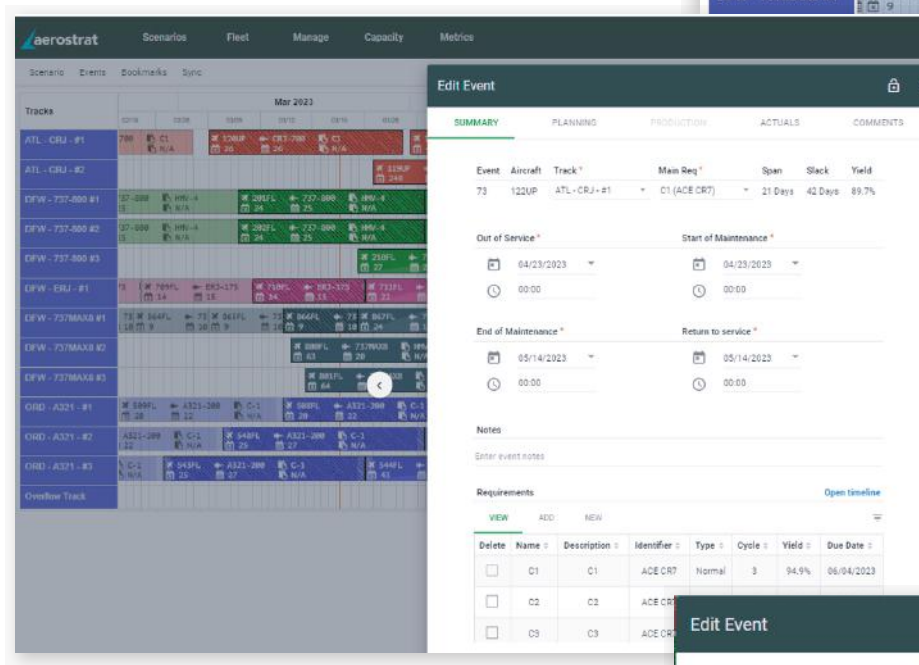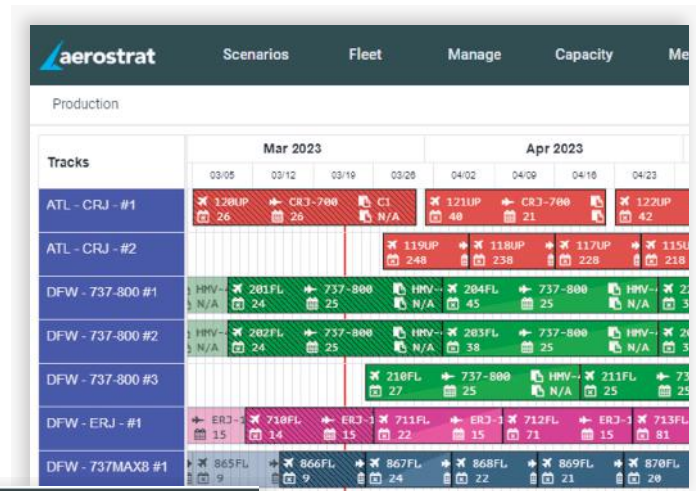
Users can navigate to different tabs to view and edit the event's actual data. When marking and editing an "Actual Event," it is visually distinguished with different shading. This information seamlessly syncs across schedules and remains part of the historical record, never disappearing from the calendar.


The Comments tab allows users to add unlimited comments with event-specific tags, enhancing event documentation and storytelling *(right)*.

These comments become part of the event record and can be exported along with other event data.
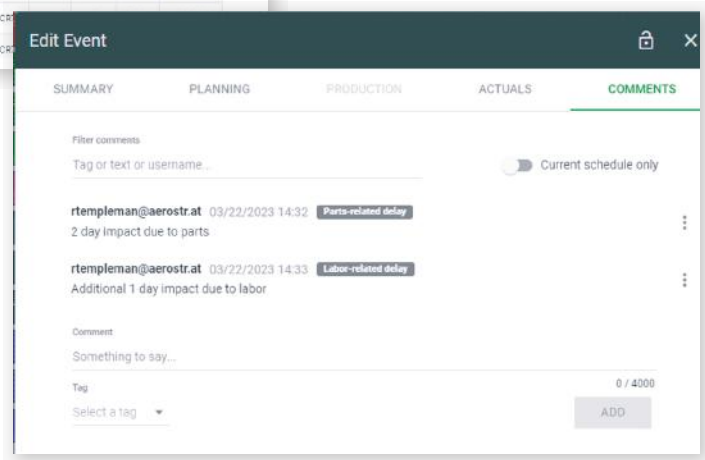
Production Schedule Navigation and Customization

Navigating the schedule is intuitive, offering multiple options such as vertical or horizontal scrolling with a mouse or touch input, and jumping in specific time frame increments. The Event Bar provides a summary of event data, displaying up to six customizable slots from a choice of 20 pieces of information. Users can access additional information via the Hovercard or "tool tip" by holding "Shift" and moving the mouse pointer over the event. Both the Event Bar and Hovercard data slots are fully customizable, allowing users to drag and drop desired information directly from the calendar interface.
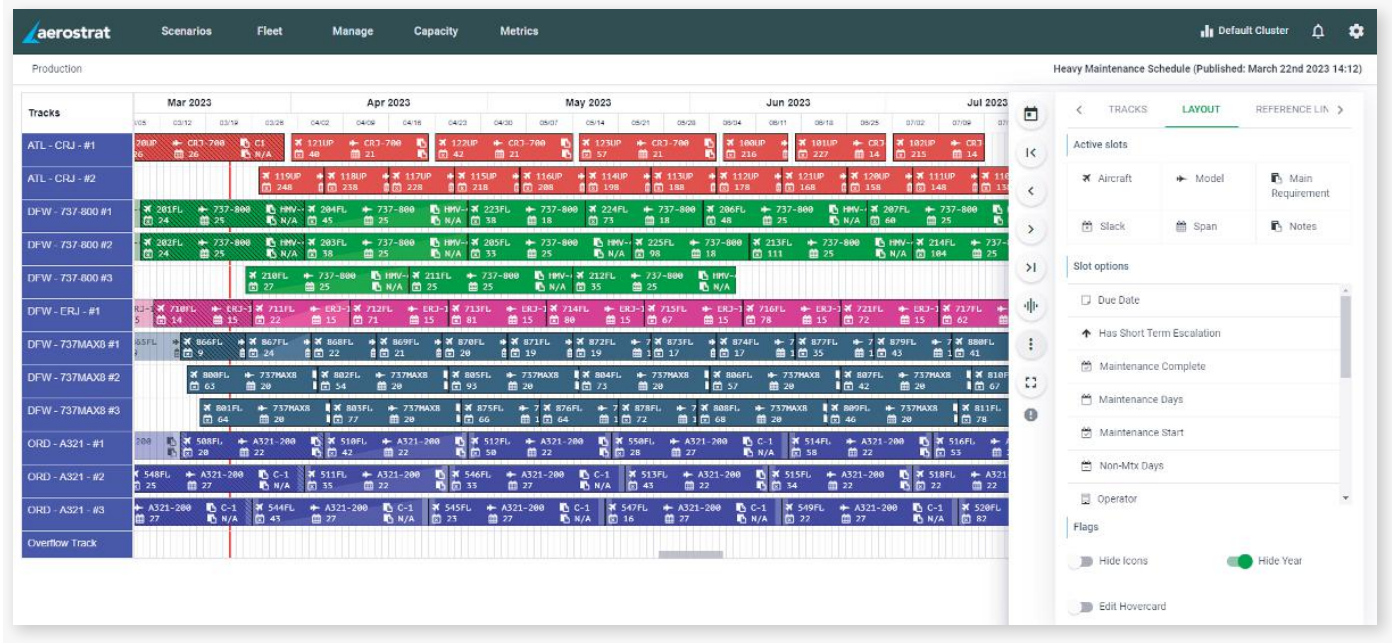
User-Customized Views

Users can create unlimited customized views (loadouts) through the calendar interface, saving them for quick access. Loadouts can be set as default or locked, and users can print selected views as needed.

Various view options are available through interface tabs, including setting track order, filtering/highlighting by tail or model, viewing time frames by day, week, month, or year, and adjusting font size and Event Bar height.

Tailored Views for Vendors and Airlines

Customized views can be created for vendors to view only their aircraft on their tracks, or for airlines to view their aircraft regardless of the track. Time frames can be set to limit vendor views to a specific duration, such as six months or one year.

Data Retention and Storage

All production schedules are securely stored, allowing users to view event actuals indefinitely or according to organizational data retention policies.

Scenarios

Aerros offers users a comprehensive set of scenario capabilities, supporting an unlimited number of "what-if" scenarios, bookmarks, and scenarios, bookmarks, and clusters/data surveys.

Scenario Management

Scenarios are easily managed via the dedicated manage scenario page. When opened, users can view tracks in the left column, dates across the top, and maintenance events on the schedule.

Events can be manipulated by dragging and dropping them to desired tracks/dates, and their span can be adjusted by clicking and dragging. Users can navigate the schedule vertically or horizontally, with the Event Bar providing a summary of event data.
A Hovercard (or tool tip) displays additional information when "Shift" is clicked while hovering over an event.
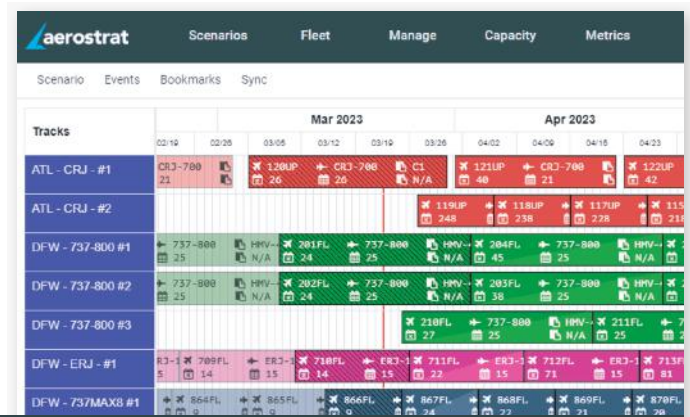
Event Creation / Autoscheduling

Aerros offers multiple methods for event creation. The Auto-Scheduler, a powerful feature, allows users to select specific aircraft, requirements, and available dates, with various yield options available. Additionally, users can manually schedule standalone events as needed.

Full Auto-Schedule

The Full Auto-Schedule feature enables users to schedule all aircraft and requirements for a specific time period, including those with special deadlines.

Manual Event Creation

In addition to Auto-Scheduling, users can manually create events using the New Event feature. Selections for specific aircraft, requirements, dates, and tracks can be made, or events can be created by pressing and holding Shift, left-clicking on the event, and dragging it to the desired track and date.
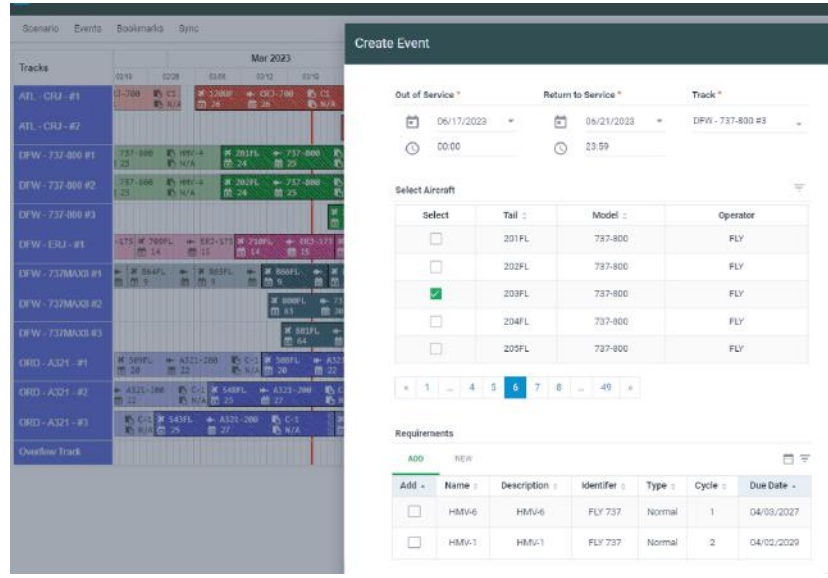

Aircraft Timeline

The Aircraft Timeline feature allows users to add unscheduled requirements to existing events and remove scheduled requirements. Accessed via the Edit Event dialogue, users can simply drag and drop unscheduled requirements above the timeline to desired events below. Changes can then be saved to the schedule.
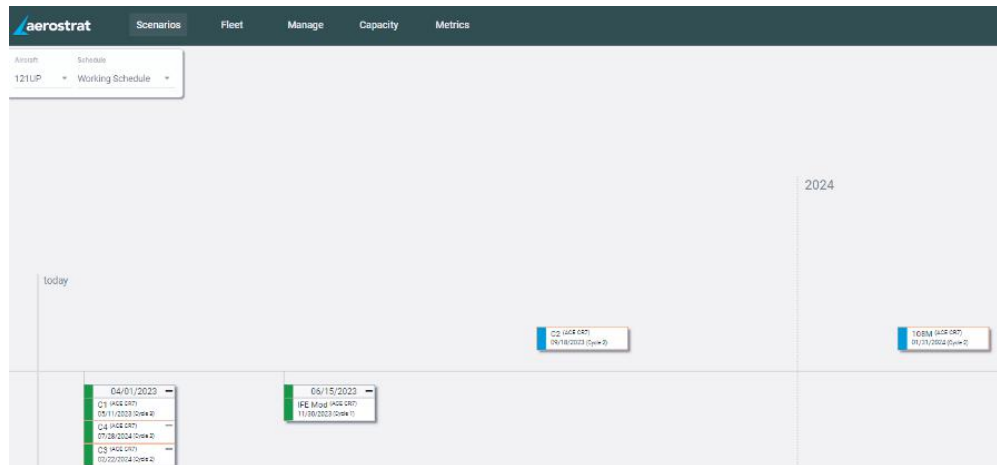
Data Clusters

Data Clusters empower users to create unlimited "what-if" scenarios, facilitating informed decision-making for airlines and MROs. Comprising Aircraft Sets, Requirement Sets, and Vendor Sets, users can create unique clusters to explore the impact of various changes. Sets and clusters can be created for any number of scenarios, allowing users to assess the effects of fleet expansions, new requirements, and more.
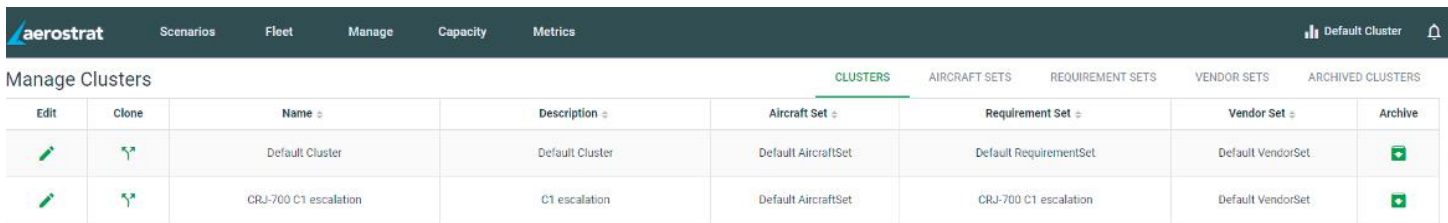
MRO Benefits and Capacity/Manpower Planning

MRO Operations in Aerros

MROs can efficiently plan maintenance operations similar to airlines. They can set up operators for each customer, adding specific fleet information and unique identifiers for operator/model requirements.

Capacity Planning

Aerros offers robust capacity planning capabilities for MROs and airlines performing their own maintenance. The Capacity Planning feature allows users to input and view vendor capacity by skill and shift, alongside labor hour demand. This empowers informed decision-making for current and future workflow management.

Vendor Capacity Management

Users can build vendor capacity by adding technician skills tailored to specific customer operations. Aerros supports the addition of any number of technician skills to accurately reflect operational requirements.

Technician Shift Management

Aerros allows the addition of specific technician shifts, including start and end times *(left)*. Labor capacity by skill and shift provide detailed labor scheduling options. *(right)*.

Labor Capacity Management

Labor capacity by skill and shift can be added for any number of vendors through manual input, Excel export/ import, or integration with customer labor collection systems. This comprehensive approach ensures accurate workforce management.

Template-Based Labor Allocation

Once capacity is set for each vendor, total labor hours required by day, shift, and skill can be added to a template created for a requirement or group of requirements. This template can then be efficiently applied in bulk to corresponding events. *(left)*.

Visualization Tools

A graphical representation of vendor capacity is available, accessible through the calendar interface. Users can view capacity by vendor or all vendors, by remaining or required hours by skill, or by totals. Additionally, a capacity graph displays available (green) and over capacity (red) time slots, providing clear insights into workforce availability. *(right)*.

Support / Working with Aerostrat
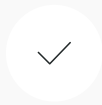
Customer-Centric

Aerostrat prioritizes customer satisfaction, omnichannel support, 99.9% SLA's, and dedicated in-house support staff to ensure a seamless experience. We always seek continuous feedback from our clients so that we can advance our products to meet their needs.

Experience

Working with Aerostrat means being part of shaping the future. Customers have visibility into upcoming releases, can suggest features, and collaborate on the development roadmap to tailor solutions to their needs.

Support Process

We offer onmichannel (IM, phone, email, ticketing) support for our customers to reach out for assistance. We value customer input, incorporating their suggestions to enhance our product continually.

Security Practices

With end-to-end encryption, ISO/IEC 27001:2022 certification, SOC 2 - Type 2, third-party pen. test and GDPR compliant, customers can trust the safety of their IT assets.

Self-Hosting

While our products are cloud-focused, we support self-hosting options to accommodate diverse organizational needs, offering rapid deployment and seamless integration.

IT Q&A, Data Integrations

Q: How does Aerostrat handle integrating with existing compliance systems?

A: Aerostrat prioritizes seamless integration with compliance systems like TRAX, AMOS and Maintenix. Quick integration setup and daily or real-time data feeds ensure alignment with flight data.

Q: When are integrations with Aerros built?

A: Integration planning occurs during the product evaluation phase. Upon becoming a customer, we work with your IT or project management teams to establish integration timelines.

Q: Can I build custom solutions using Aerostrat products?

A: Yes, Aerostrat products support custom solutions through developer interfaces (APIs), enabling integration with internal systems and the creation of custom applications.

Q: Can I pull and use the data from Aerros?

A: Yes, Aerros will use ETL to send data to your data warehouse. We can provide reporting that you can use to drive business intelligence tools (BI). Aerros uses azure SQL so BI tools can be used to model Aerros data.

**Q: Does Aerostrat provide custom development services?**

A: We consider customer feedback for new features and offer custom development services for unique capabilities, ensuring a tailored solution for your organization.

Q: Can Aerros be hosted by the customer?

A: Yes, Aerostrat supports both cloud and customer hosting. Contact us for recommended specifications if you prefer internal hosting.

Q: How do I know Aerros will be available?

A: We have automated fail overs, GEO hosting and replication, Aerostrat performs.... point in time restore, perform daily backups.
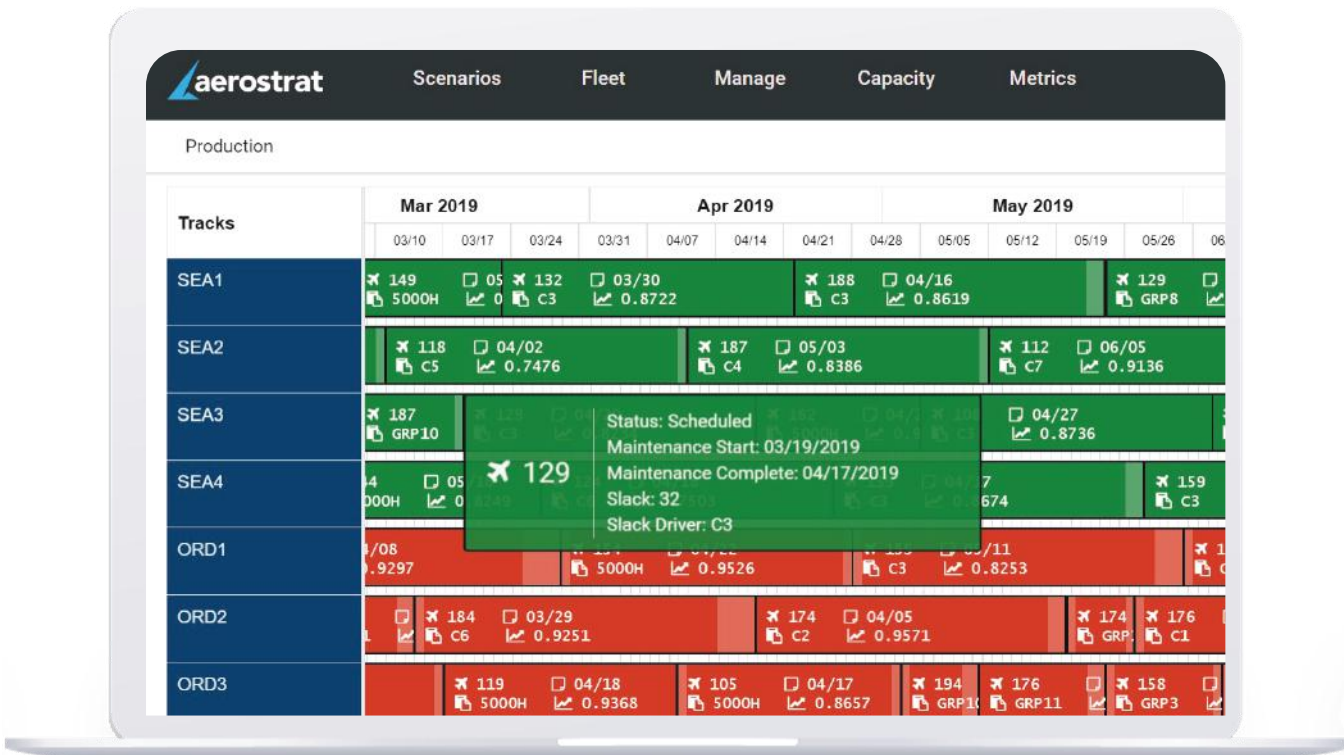
Evaluation Program Overview

Aerostrat offers an evaluation program for prospective customers, providing access to a complete cloud-managed version of Aerros.

Basic Timeline for Evaluation Process:

1 Sign up for evaluation

2 Objective Building:

Together, we'll work on building your full objectives list. What do you want to see the system do, and what features do you want to try out to ensure that it will meet your needs?

3 Training:

We prefer to conduct training on-site, ensuring your team gets hands-on experience with Aerros.

4 Weekly check-ins:

We'll schedule weekly check-ins to ensure that things are running smoothly and to address any questions you may have.

5 Objective Completion:

During the remainder of the 60 days, we'll focus on checking off everything from the objectives list to ensure that Aerros meets your requirements.

Ending Evaluation Process:

→
1. Determine if an extension is necessary.
2. Identify next steps.

Frequently Asked Questions:

Support Options:

Aerostrat provides top tier customer support. Contact options include:
- o Email: support@aerostratsoftware.com
- o Phone: 888-558-2860 x2
- o Zendesk: aerostrat.zendesk.com

Cost during Evaluation:

Evaluation fees vary based on options and period length. Contact Aerostrat for details. POC cost is paid upfront.

Duration of Evaluation:

Aerostrat provides 60-day evaluations, extendable for a fee.

User Limit during Evaluation:

Multiple users are allowed. Submit names and email addresses for logins.

Feature Requests:

All developed feature requests are deployed to Aerostrat's customers.

Self-Hosting Option:

Aerostrat products are cloud-designed but can be implemented in a self-hosted environment with IT collaboration.

Obligations:

A new agreement will be signed after the 60 day POC (if used).

Training:

We will provide sufficient training to ensure our clients are proficient with Aerros.

Can the POC be part of the full agreement?

Yes.