



Increase Efficiency, Cut Costs

Our leading training management platform is used by some of the aviation industry's biggest players.

Fox's patented optimization engines capture real-world complexities and create valid, feasible and optimized schedules enabling airlines to run their training operation more efficiently.

Fox reduces direct and indirect training costs, automates manual processes, eliminates paperwork, prevents errors, and increases quality of service.

PATENTED OPTIMIZATION ENGINES

How it works:

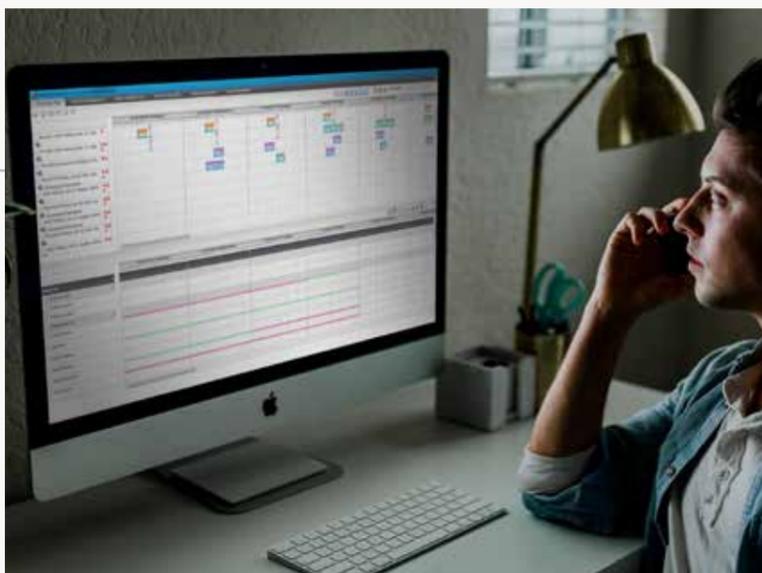
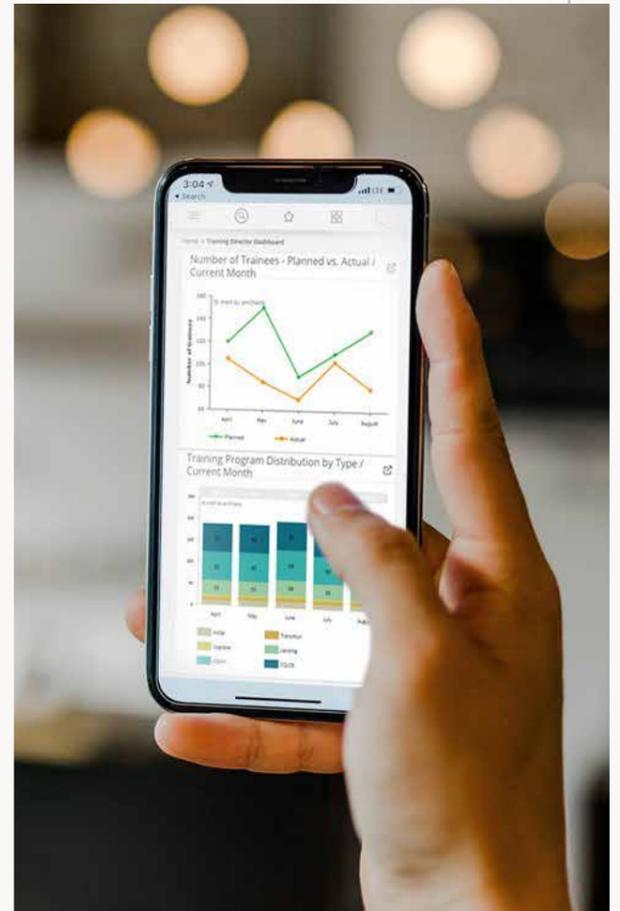
Define different optimization goals such as minimum cost, maximum throughput, specific type of training priorities, resource coverage, training continuity and more. You can even combine multiple goals.

Define different sets of business rules and policies to ensure schedules are valid and indicate scheduling rule violations.

Define preferences that the automated scheduling tools will consider and try to respect. Resulting schedules are not only valid but also feasible. Using preferences instead of rules provides the optimization engine with more leeway to create an optimized plan.

Define values and costs for training activities and resources that will be considered by Fox's optimization algorithms. In addition, define incentives and penalties to expand the optimization model to include complex considerations.

Fox's hybrid algorithms and heuristics produce the highest achievable level of valid scheduling efficiency, for training optimization.



TRAINING OPERATION MONETIZATION

Maximize Sim & Resource Utilization

Training organizations often suffer from fixed and rigid scheduling that can prevent them from achieving optimal resource utilization. Fox's flexible training templates driven by patented algorithms, enable maximal resource utilization while ensuring all scheduling rules are respected. Customers can expect increased resource utilization of 15-20% (based on existing implementations).

Increase Training Throughput

With more efficient simulator and resource utilization, organizations can increase training throughput. This provides them with greater flexibility to train more people at convenient times (e.g. ensuring maximum pilot availability during peak seasons), deal with unplanned changes, support growth with the same resources, and increase revenue by selling more simulator time.

Optimal Training Footprint

Training organizations sometimes allow course durations to extend to gain scheduling flexibility when confronted with bottlenecks. Fox's unique algorithms can take advantage of this flexibility and will extend course duration only where the overall benefit is greater.



Simulator Timeslot Preferences

With Fox's objective-based scheduling, preferences can be defined for specific timeslots, durations and other characteristics, to optimize the use of each timeslot. For example, allowing some timeslots to be optimized for external sale and others to support organizational preferences.

Reduce External Sim Use

By prioritizing resources and defining their costs, Fox's algorithms will first utilize internal resources. External resources will be allocated only where necessary in order to create an optimal plan.



Ensure Compliance

Fox's scheduling engine prevents conflict and rule violations such as instructor non-compliance, working hours violations, etc.

Improve Instructor Allocation, Reduce Overtime

Generate optimized training schedules that take into consideration instructor preferences and projected instructor availability to avoid unnecessary bottlenecks that require overtime.

Reduce Training Cancellations

Whenever unplanned staff absences occur, schedulers can use the Event Bidding tool to publish unstaffed training events and invite instructors to bid on them. Fox will recommend who to award the bid to based upon pre-defined business rules.

Reduce 'Deadhead Only' & 'Wasted' Days

Fox's scheduling engine takes into consideration a variety of parameters such as training location and training start and end times. Fox matches these with crew and instructor potential flight schedules to minimize wasted days and unnecessary travel.

Increase Forecast Capabilities

Spot potential resource bottlenecks and deal with them in advance.



Schedule Training Faster

Based on pre-defined scheduling templates and scheduling rules, Fox's scheduling engine can run multiple scenarios while reducing time spent on planning and scheduling from days, to hours and minutes.

Optimal Reserve Day Planning

Ensure reserve day scheduling is optimized by correlating the number of reserve days with the expected training load.

Efficient Planning

Create multiple schedules and run 'what-if' scenarios to compare between plans based on defined objectives (minimum cost, maximum throughput, specific type of training priority, training continuity and resource coverage)

Efficient Long-Term Planning

Run 'what-if' scenarios to project required resources to support future training needs.

Complete BI Overview

Access scheduling and planning dashboard and reports in a few simple clicks to review training schedules on different levels.