GE Aerospace

Network Operations Optimization

Faster disruption recovery.

Network Operations Optimization provides a configurable rules engine to minimize impact to the network schedule by optimizing schedule recovery. Disruption to aircraft schedules are quickly and efficiently managed and prevented from propagating through the network schedule.

Identify

Optimization identifies disruptions currently occurring with impact up to 72+ hours*. You and your team can also add a known issue to the solution.

Solve

Optimization helps you keep track of all scenarios and available solutions. You can compare solutions before selecting the best one for your scenario.

Evaluate

Once the solver has generated the recovery solutions, the user has the ability to compare multiple solutions. This feature allows the user to visualize key factors to determine which solutions to commit or exclude and predict the impact of the selection.

Can you afford not to have a disruption recovery solution?

Commercial airlines worldwide lose $25 billion annually from delays, cancellations and other irregular operations, and the cost per disrupted passenger averages $281.

50-60%
of disruptions are caused by technical and operational delays

7-10%
of disruptions are caused by extreme weather

41%
of disruptions are caused by non-extreme weather

Optimization provides airline operations managers and controllers with solutions for recovering from operational disruptions and returning to schedule with minimum impact.

Technical requirements:

- Operating System: Windows 10, Windows 8.0/8.1, MacOS Sierra/High Sierra
- Processor: 2.4 GHz or higher
- Hard Drive Space: 4 GB of available free space
- RAM: 2 GB or more recommended
- Monitor resolution: 1280 X 720 or higher
- Supported browser: Google Chrome version 70.0.3538.110 (64-bit) or higher

Why choose Network Operations Optimization?

Advanced Algorithm

By automatically analyzing your airline's network operation data, the application uses this data to optimize your solutions during a disruption recovery. Fast recovery is possible when you know all possible and existing solutions.

Minimize Operation Impact

Optimization offers a series of recovery solutions tailored to your scenario, allowing you to identify and apply the right solution. When you recover faster from disruptions, the impact to revenue, passengers and crew is reduced.

Preventive Evaluation

There's no need to reinvent the wheel each time your airline experiences a disruption. Leverage the optimizer capability to generate scenarios and assess the impact of an upcoming disruption.