

■ ROIS Crew

To Improve

- Productivity
- Cost Saving
- Crew satisfaction
- System extendibility



Our end-to-end crew management solution encompasses planning, scheduling, real-time tracking, a Crew App, and post-operation analysis.

Our innovative hybrid algorithms deliver benefits like:

- To achieve high performance for very large-scale combinational optimization.
- To Handle the volatile schedules by optimizing highly configurable of weekly, monthly or quarterly pairing and roster allocation.
- To solve the challenge of unbalance of crew and flight allocation among multiple bases. Automatically generates a fairness-based roster.

The key features of the system are:

- Manpower planning with high-accuracy qualitative analysis.
- Better resource forecasting and real-time operational recovery to deal with uncertainties.
- Shorten the crew planning cycle and save resources.
- Evaluate various scenarios and reduce operational costs.
- Improve crew utilization, roster schedule fairness, and crew satisfaction.
- Business compliance improvement to enhance operational safety.
- Improve operational stability and reduce flight disruptions caused by crew members.

ROIS™ Crew: Cover the entire life cycle

ROIS™ Crew



Long-term Strategy Planning

Manpower Forecasting

Fleet Network Analysis

- ✓ Schedule Reliability
- ✓ Planning Accuracy



Short & Mid. term Schedule Optimization

Pairing Optimizer

Roster Optimizer

Training Optimizer

Fatigue Manager

Preference Bidding

Silk Credit

- ✓ Productivity Improvement
- ✓ Fairness Improvement
- ✓ Cost Saving
- ✓ Crew Satisfaction



Day of operation Tracking & Recovery

Operation Monitoring

Check-in, Notification

Trip Trade

GD & APIS

Absent Automation

Disruption
Recommendation

Logistic Management

- ✓ Decision Support
- ✓ Robust Performance



Post operation Business Analysis

Operational Summary

e-Flight Log

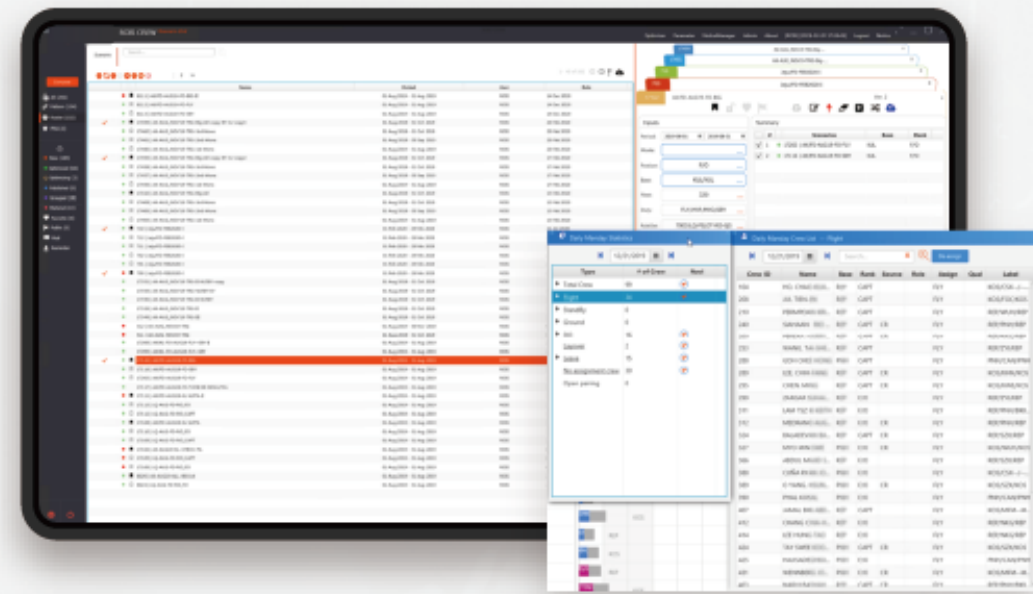
Robustness Planning

- ✓ Business Insights
- ✓ Operation feedback

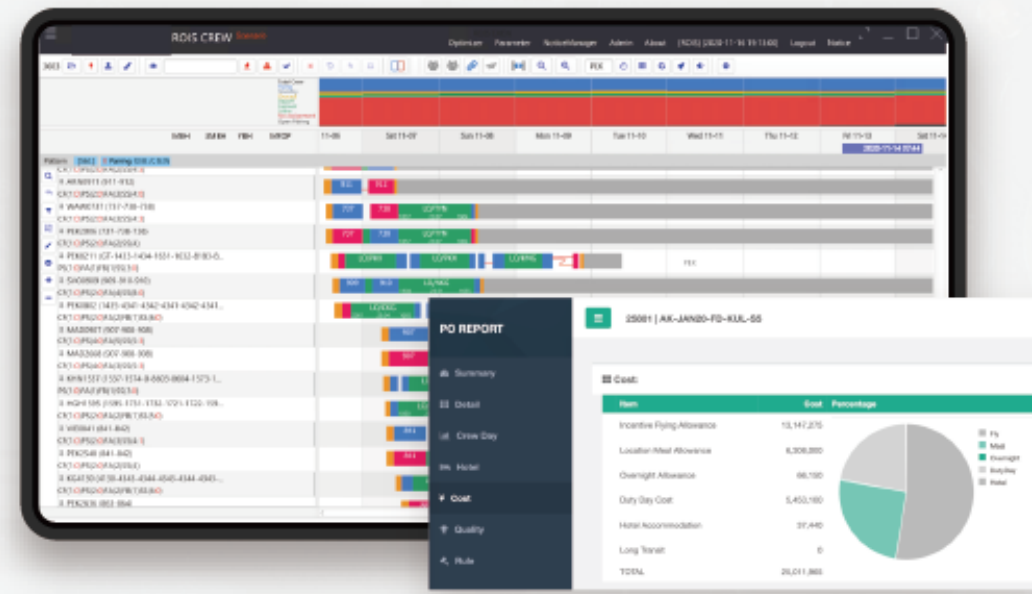
ROIS™ Crew: Functional Flow

Resource / Assignment Simulation

Manpower Plan

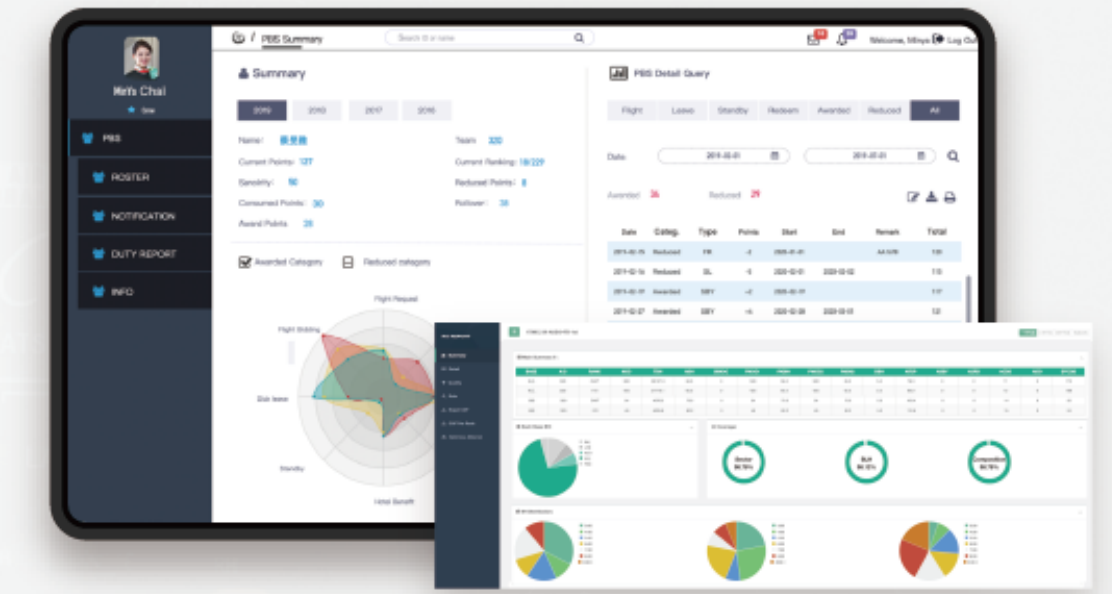


Pairing Optimization



Monthly Planning

Roster Optimization

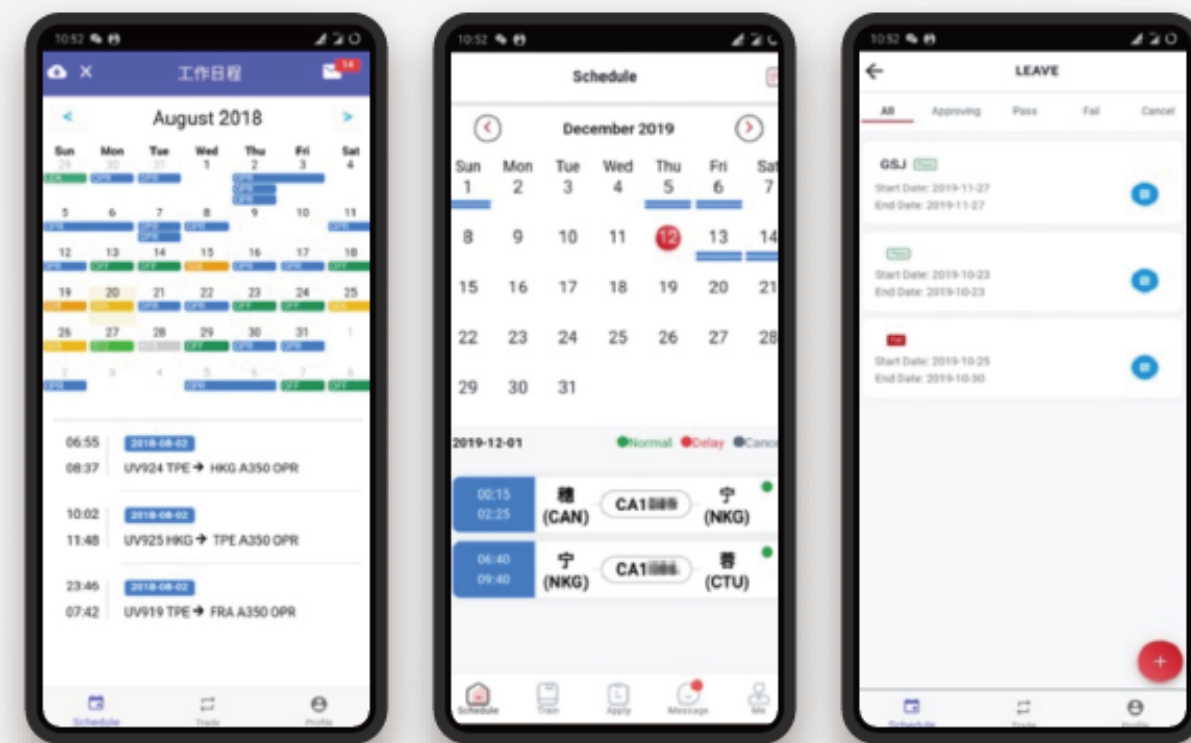


Flight Dynamic

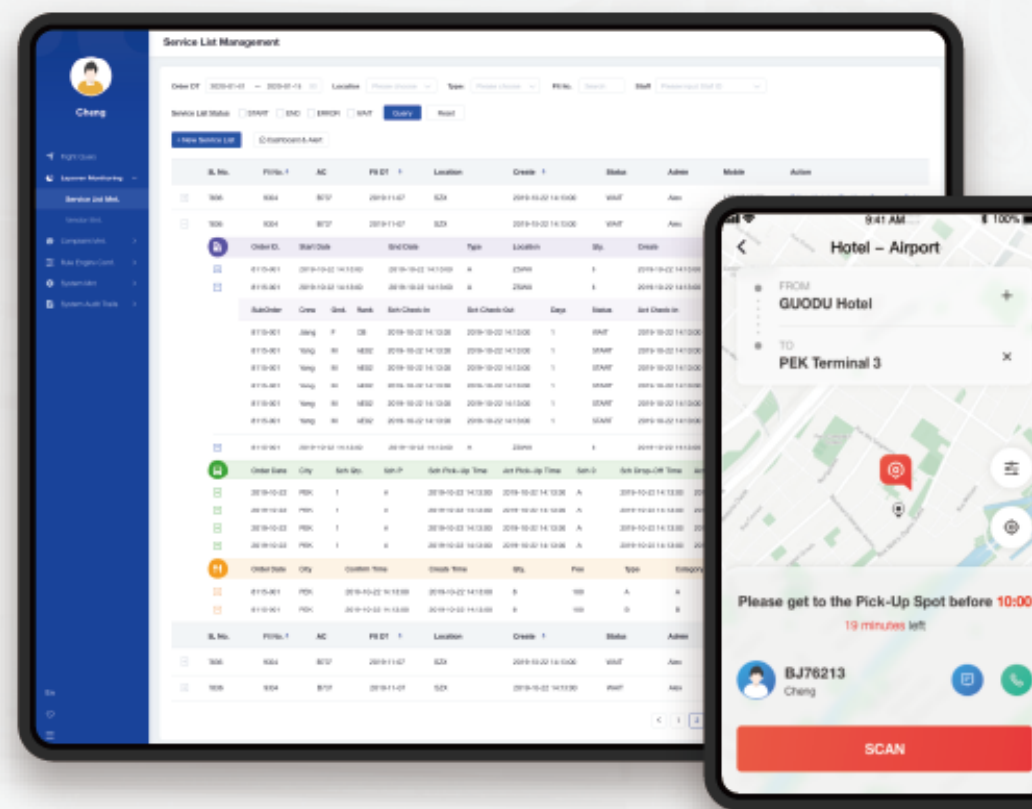
Operation Summary

Crew Portal

Crew communication



Logistic Management



Day Of Operation

