



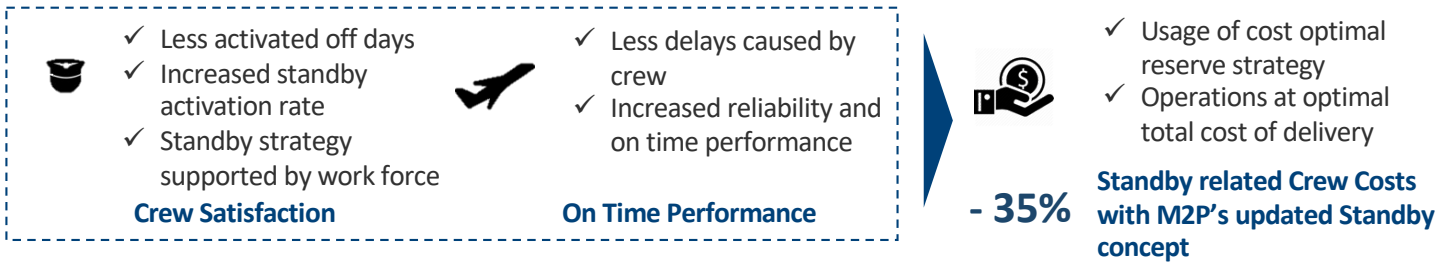
MOSTERT·PLOOG
& PARTNERS



M2P Service Offering
Demand based Standby Planning

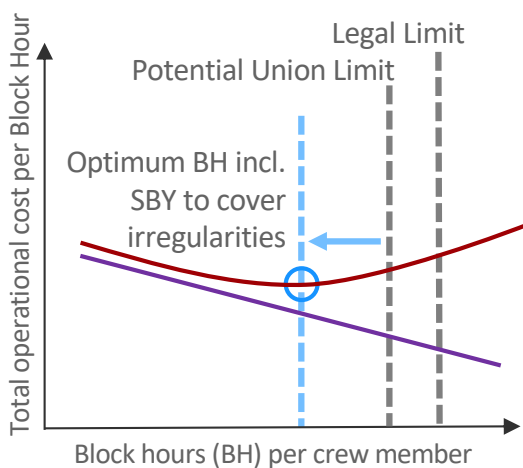
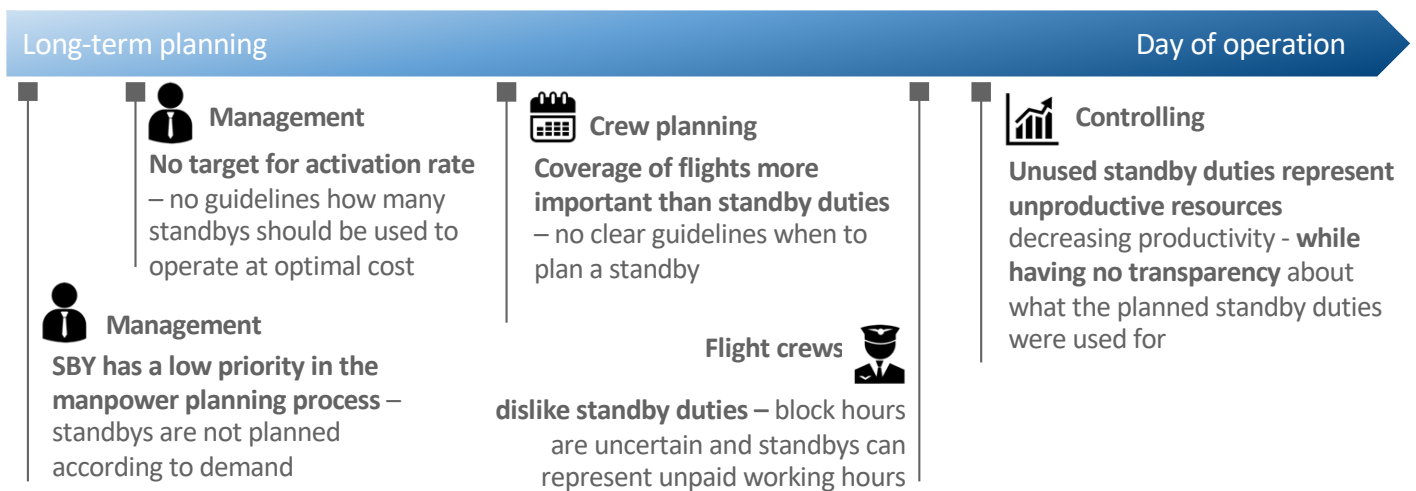
Improving standby planning is fundamental to maintain optimal operational cost and increase crew satisfaction

Positive impact of improved Standby Planning



Standby planning is often complex and happening in a non-transparent environment

The planning and management of standby capacities represents a major challenge to many airlines. During many projects in the last years, we have experienced that within the process of standby planning there are many ways to take a wrong turn. Here are some of the most common examples:



At many airlines the assumption is that crew costs decrease in line with increased block hours per crew member (planned crew cost). However, in reality, the actual crew cost per BH increases with extensive productivity since operational irregularities can often only be recovered at high cost (e.g. ad-hoc charter, passenger compensation and others). In order to ensure operations at optimal crew cost, reserve resources to cover expensive irregularities have to be planned

However, during this process crew planning has to answer several questions such as:

- Where and when do we actually need a standby?
- How to cover the demand at optimal cost?



We have developed a best practice concept enabling crew managers to identify the right amount of reserve capacities for their specific needs

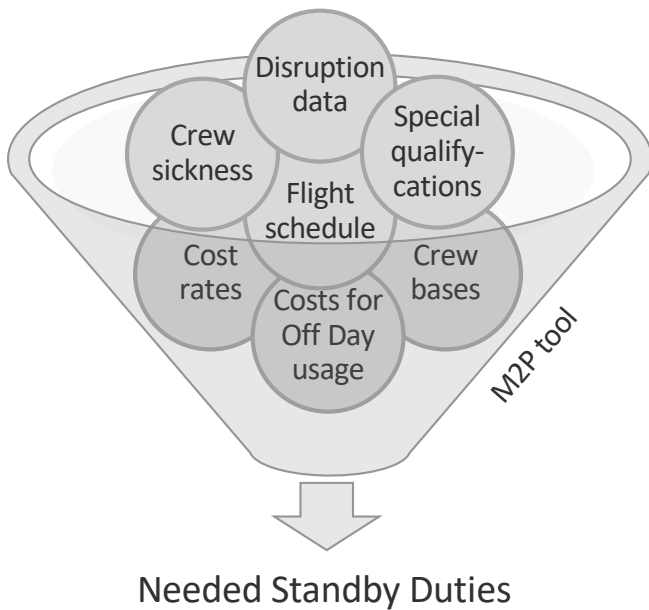
M2P's approach for standby planning is based on long-term experience and was successfully applied in multiple projects

Preconditions to ensure operations at optimal crew cost

1. Planning of reserves based on the **best possible understanding** of the **actual demand through Analytics**
2. Planning and managing reserve resources has to be **integrated into the crew management process**

Data Analytics and Prediction

We have developed a tool that enables us to perform strategic and demand based planning of standby duties. In order to ensure operational stability at optimal cost it is **important to take as much input factors and data into consideration as possible**.

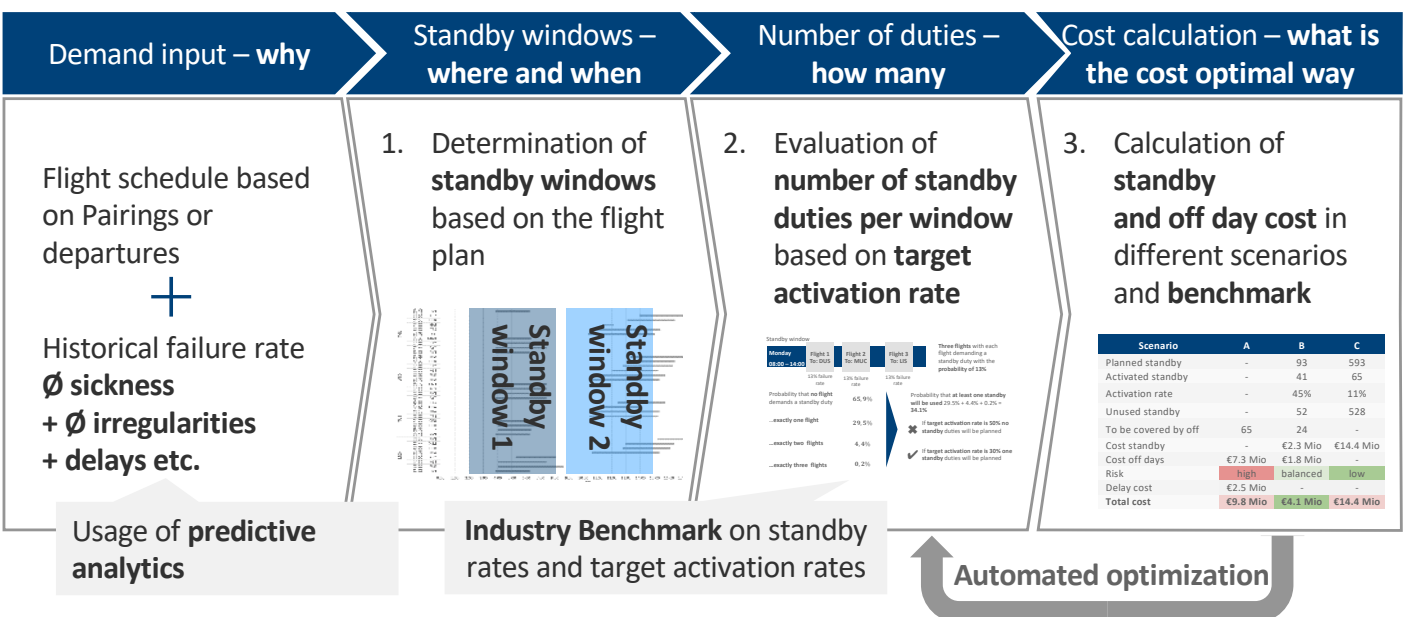


We make use of **past and present input data regarding flight plan, signees rates of crew members, delays, regulatory aspects and other requirements like licensing for special airports as well as all associated cost parameters.**

To allocate the optimal amount of standby duties, we use the mentioned input data and **assign standby duties based on the expected activation probability**. In a second step, we perform an **optimization** to derive the amount of standby duties that **guarantees optimal cost** while maintaining **operational stability**.

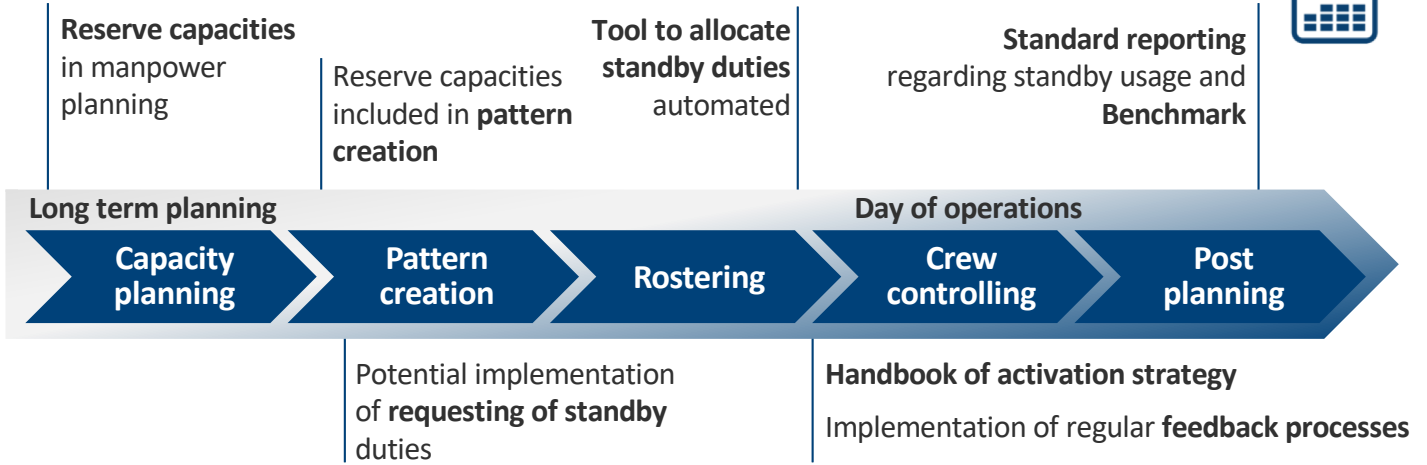
We use our proven tool to collect all inputs and to calculate

Calculation logic M2P Standby Tool



Tangible deliverables on Ops and Management level ensure our project successes

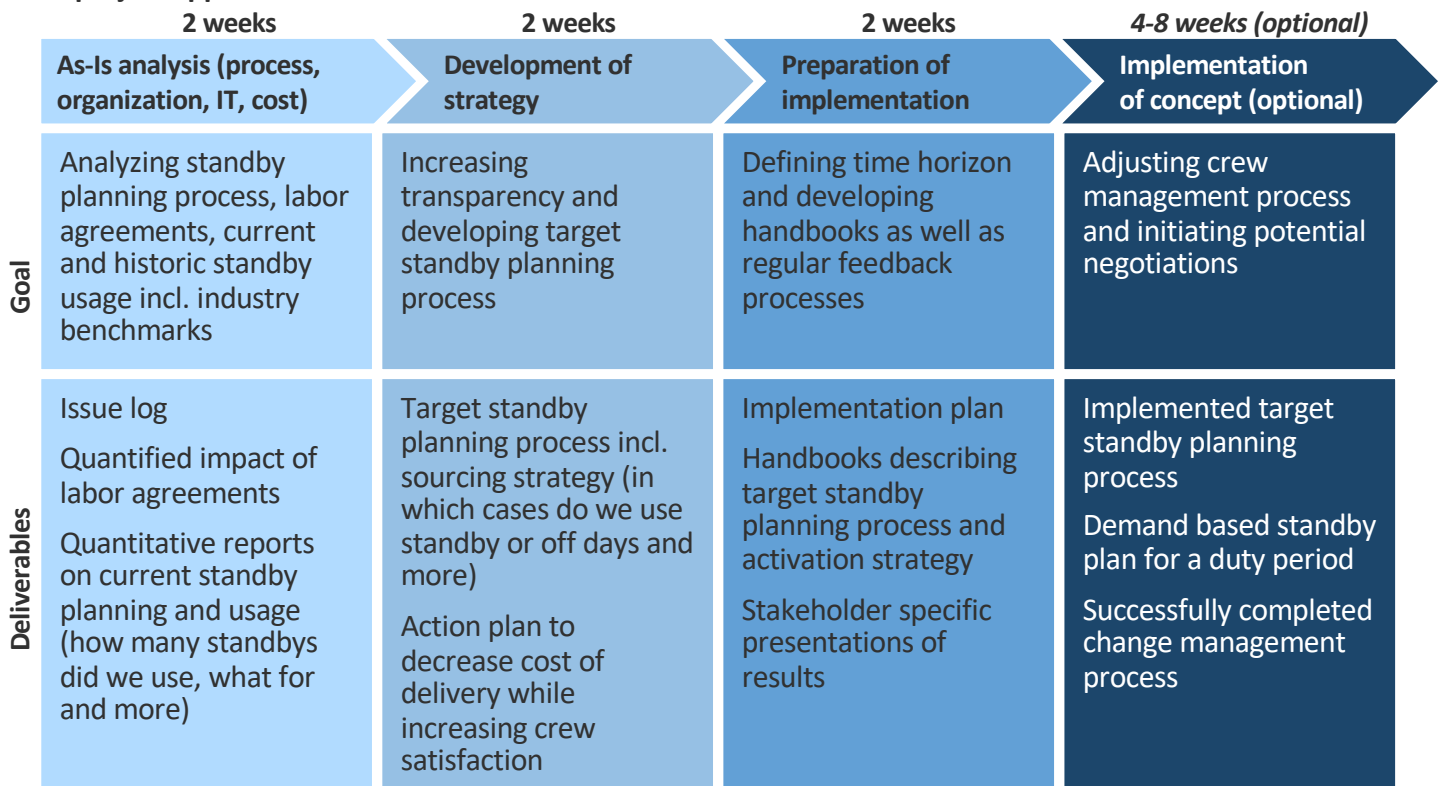
Benefits along the planning process



Our approach enables airlines to significantly reduce standby cost while maintaining operational stability

In previous projects, we did not only **increase crew satisfaction** but also achieved a significant **reduction in standby related crew costs** (standby cost & other variable costs, such as overtime, irreg cost...). In a recent project, we have achieved a cost decrease of up to **2.5 million EUR reducing the standby related crew costs by 35%** due to significantly improved standby usage and a reduction of the number of activated off days.

M2P project approach



M2P recognizes that crew management and standby strategy is clearly not “one size fits all”. Based on our expertise, we can develop a customized solution tailored to your airline’s specific needs.

M2P combines analytical competence with strong expertise in Operations and Crew Management

Why M2P?

By linking M2P's business and IT strategy with our implementation services as well as our unique expertise in Operations Management, we are the **leading industry experts in Crew Management**. We have developed this competency over the past years by delivering over 25 projects in Crew Management to clients worldwide.

Our Strengths

- Functional and operational experience at all airline types
- Teams consisting of strategy consultants and ops specialists with hands-on mentality
- Strong focus on the entire process—from strategy to implementation
- Successfully applied analytics tools (including crew management analytics and standby planning tools)

Our Profile

- Serving the TT&L markets from our offices in Frankfurt, London, Dubai, New York and Hong Kong
- Partner to more than 50 TT&L companies worldwide with an industry focus on airlines and airports
- More than 500 successfully delivered projects within the past 19 years
- Medium-sized, specialized services delivered by more than 100 employees

Your Benefits

- ✓ **Savings between 2% and 9% in actual crew costs**
- ✓ **Benchmarking with peer competitors and industry developments**
- ✓ **Customised standby strategy and standby tool** based on airline business model and needs
- ✓ **Qualitative and quantitative strategy evaluation** using all available airline specific data
- ✓ **Implementation support** after approval of strategy

Our References



If you would like to request more information regarding our demand based standby planning approach, please contact us:

Your contact at M2P



Lana Kleimann
Partner
+49 69 743036-0
+49 151 5806 7915
kleimann@m2p.net



Marina Lützenberger
Manager
+49 69 743036-0
+49 173 7290 030
luetzenberger@m2p.net