



Optimized Crew Deployment Across the Fleet

Workforce Planning and Compliance.
Collect. Analyze. Optimize.

Long-Term Crew Scheduling with SCEDAS®

Current challenges

Compliance requirements

Ship owners, flag states and the ship managers themselves are increasingly implementing minimum standards for short-term workforce deployment, as well as for mid- to long-term crew planning.

Manning costs

Manning costs represent the largest share (30 - 50%) of ship operating costs. Thus, effective crew scheduling is critical to competitive pricing.

Seafarer satisfaction

Reliable long-term planning and the incorporation of specific seafarer needs is a major factor for the seafarer retention rate.

Fleet planning

We know crew scheduling

SCEDAS® supports the generation of seafarer contracts. The algorithms automatically calculate optimized yearly crew schedules for all vessels.

It takes regulatory as well as company-specific requirements into account.

Main Functionalities

Adjustability of relevant planning parameters

- Company-specific data framework
- Customization of planning rules
- Weighting of evaluation criteria

Graphical visualization

- Relief plans for the respective positions onboard the vessels
- Contract schedules for each seafarer
- Experience requirements are included and fulfilled

Extensive analysis options

The evaluation criteria, e.g. experience periods, crew change costs, contract characteristics, can be presented in various aggregation levels, including ship fleets, ship classes and ships.

Advantages

Cost savings

SCEDAS® provides an easy and fast way to create a fleetwide crew schedule, which makes it possible to react quickly in case of short-term changes. This minimizes deviations from requested contracts and crew change costs.

Data-based decision support

SCEDAS® provides planners with data-based decision support to leverage their expert knowledge. The scheduling algorithms can consider the large number of possibilities.

Quantifiable decisions in planning policy

The calculation of different scenarios by SCEDAS® easily and quickly quantifies the effects of the respective planning policy.

MS York												
Master	D. Vaclev	J. Below	I. Jacek	I. Saizew	A. Popow	A. Fomin						
Chief Off.	I. Nikitin	A. Iljin	J. Baranow	A. Lasarew	P. Kusmin	...						
2nd Off.	...	P. Estrada	S. Pelaez	T. Ramos								
3rd Off.	T. Aquino	F. Villa	M. Quezon	...								
Chief Eng.	U. Lopez	F. Roxas	Z. Tolentino									
2nd Eng.	J. Binay	W. Aguinaldo	C. Romulo	I. Remonde								
3rd Eng.	...	Y. Nowikow	P. Petrow									
4th Eng.	A. Kusmin	J. Gussew	B. Sorrokin									
Month	1	2	3	4	5	6	7	8	9	10	11	12

Relief Plan – Position View

A selection of seafarers												
J. Below		MS York		MS Aarhus		MS Beirut					...	
F. Drilon	MS Sabha		MS Beirut		MS Saana		MS Minsk					
A. Fomin	...	MS Aarhus		MS Quito			MS York					
I. Jacek	MS Tunis		MS York		MS Split		MS Hull					
J. Marcos		MS Saana		MS Minsk		MS Aarhus		MS Beirut				
A. Popow	MS Aarhus		MS Quito				MS York					
I. Saizew	MS Kemi		MS Haifa		MS York		MS Split					
D. Vaclev	MS York		MS Tunis		MS Beirut		MS Aarhus					
Month	1	2	3	4	5	6	7	8	9	10	11	12

Relief Plan – Seafarer View

Implementation

In joint workshops, we determine your individual planning rules that take regulatory as well as company-specific requirements into account. Then, we customize our algorithms to your needs and assist with the integration

in your existing planning systems. This creates a solution that meets your company's planning requirements and can easily leverage your existing planning processes.

SCEDAS® will take your crew scheduling to the next level. For more information and an exchange on your individual solution, please contact us by email.