



navigation

RampManager



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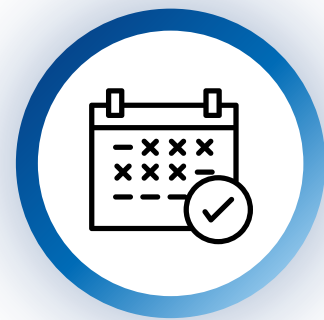


Modules



Surface movement tracking & alerting

Stay in the loop on aircraft and vehicle movements around the airport.



Streamline PPR & handling requests

Receive and respond to PPR - and handling requests, integrated with the parking occupancy chart. Additionally support for managing school flight reservations.



Track services & manage billing

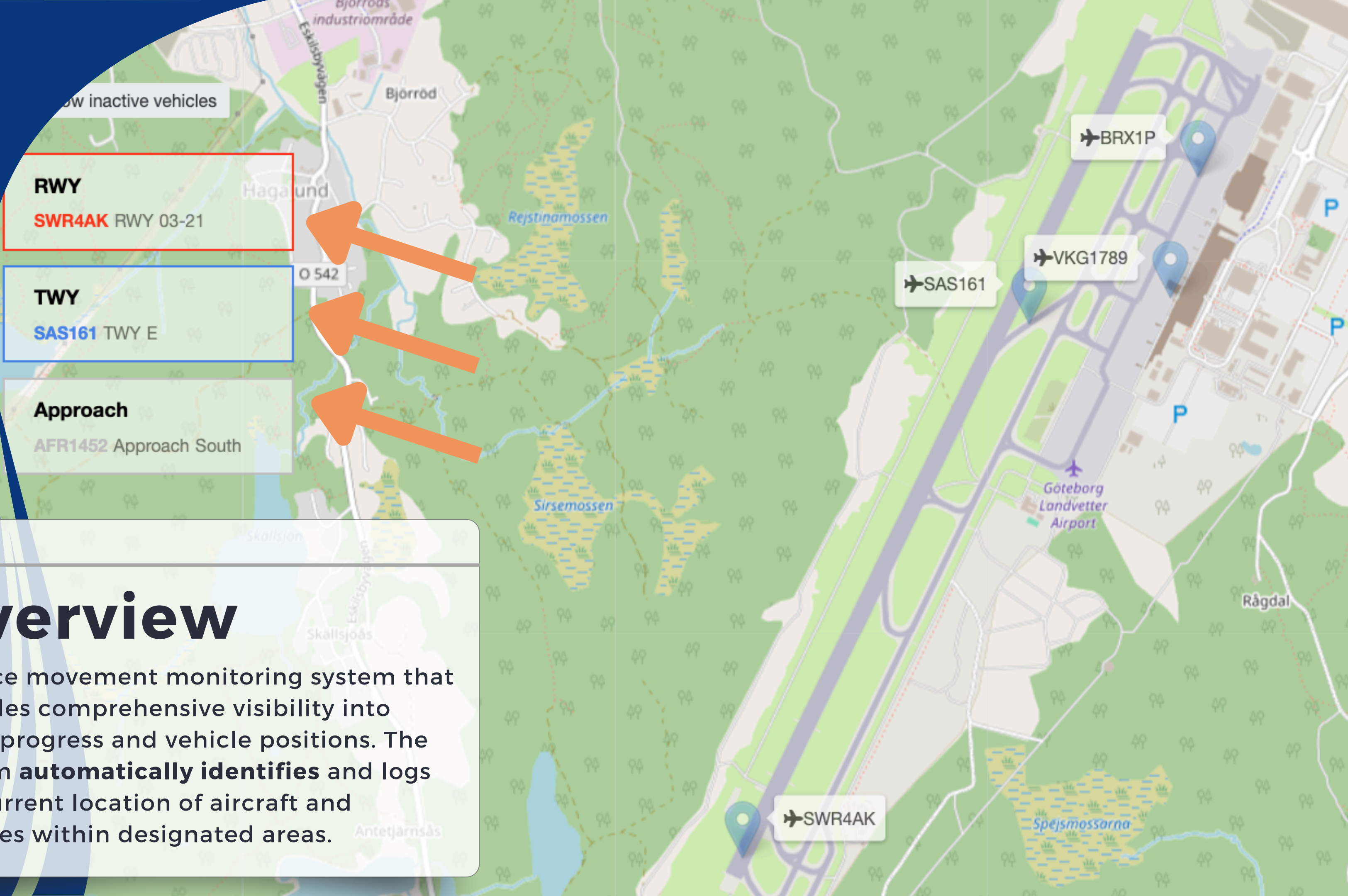
Track all services delivered to an aircraft and generate invoices or export data to your financial system.



Parking chart & occupancy

Maintain an accurate overview of occupancy with visual charts and lists, featuring automatic conflict detection to prevent double-booking.





Overview

Surface movement monitoring system that provides comprehensive visibility into flight progress and vehicle positions. The system **automatically identifies** and logs the current location of aircraft and vehicles within designated areas.



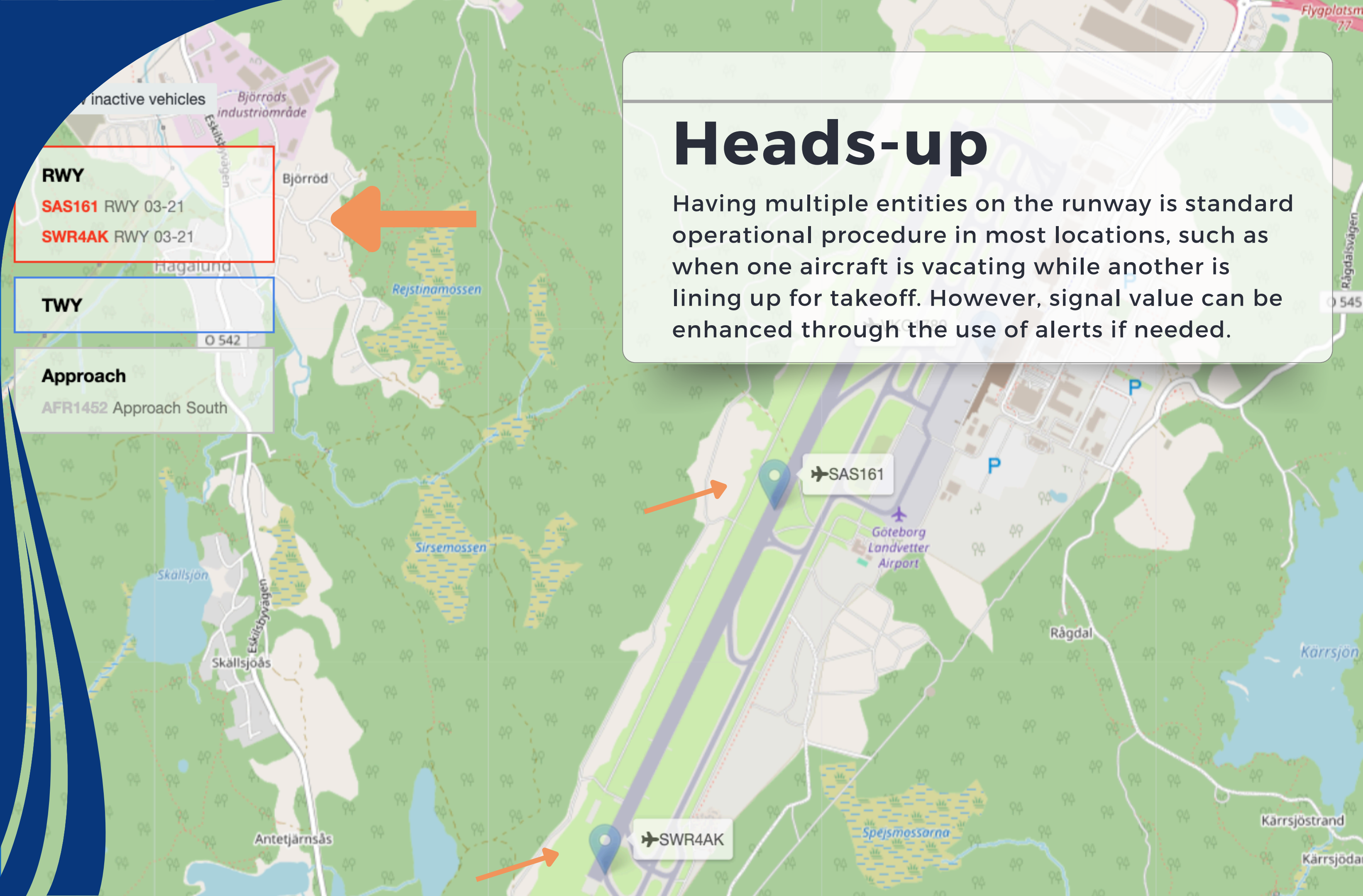
RWY
SAS161 RWY 03-21
SWR4AK RWY 03-21

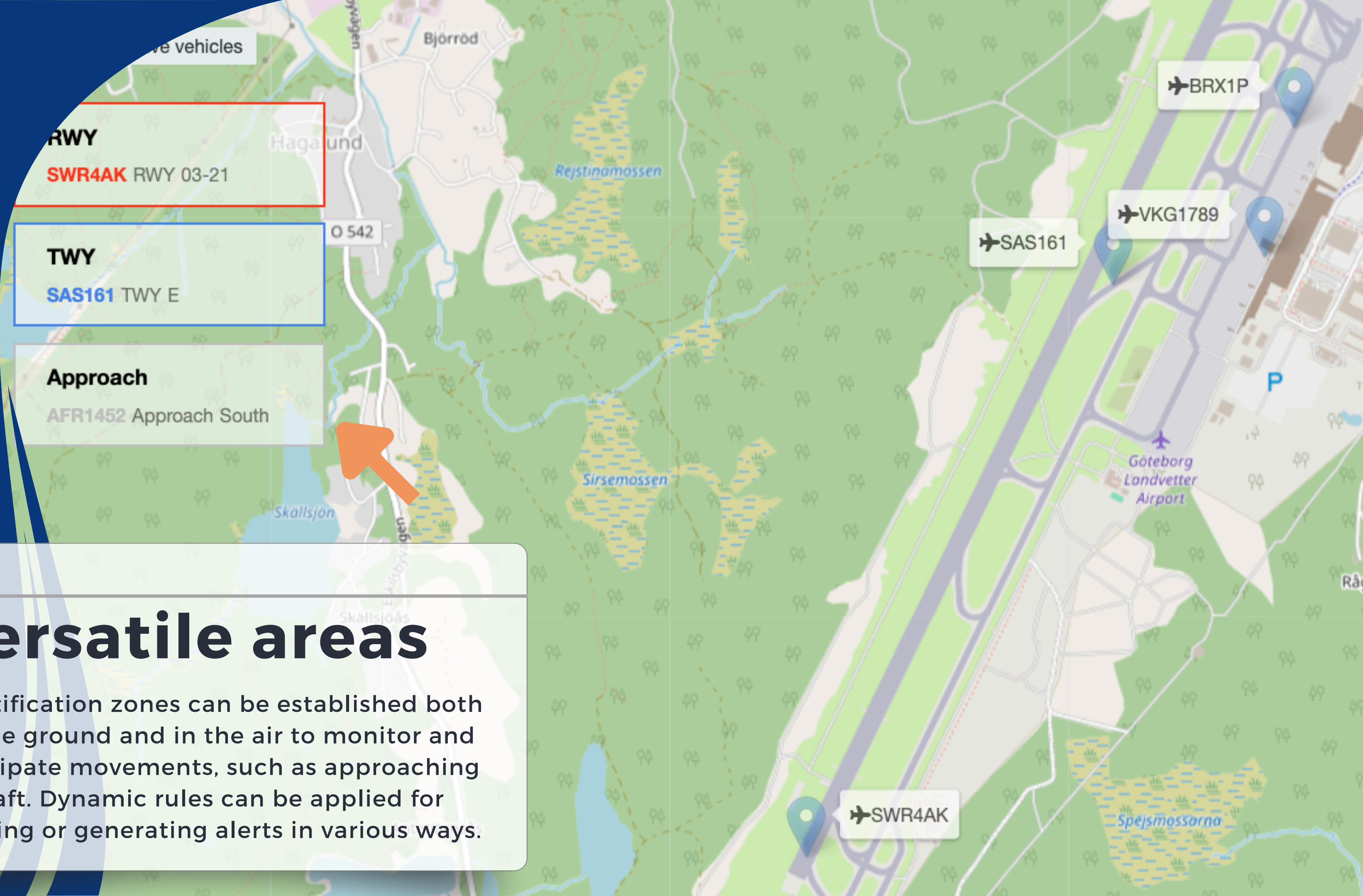
TWY

Approach
AFR1452 Approach South

Heads-up

Having multiple entities on the runway is standard operational procedure in most locations, such as when one aircraft is vacating while another is lining up for takeoff. However, signal value can be enhanced through the use of alerts if needed.





Versatile areas

Identification zones can be established both on the ground and in the air to monitor and anticipate movements, such as approaching aircraft. Dynamic rules can be applied for filtering or generating alerts in various ways.



Home > Areas > New area

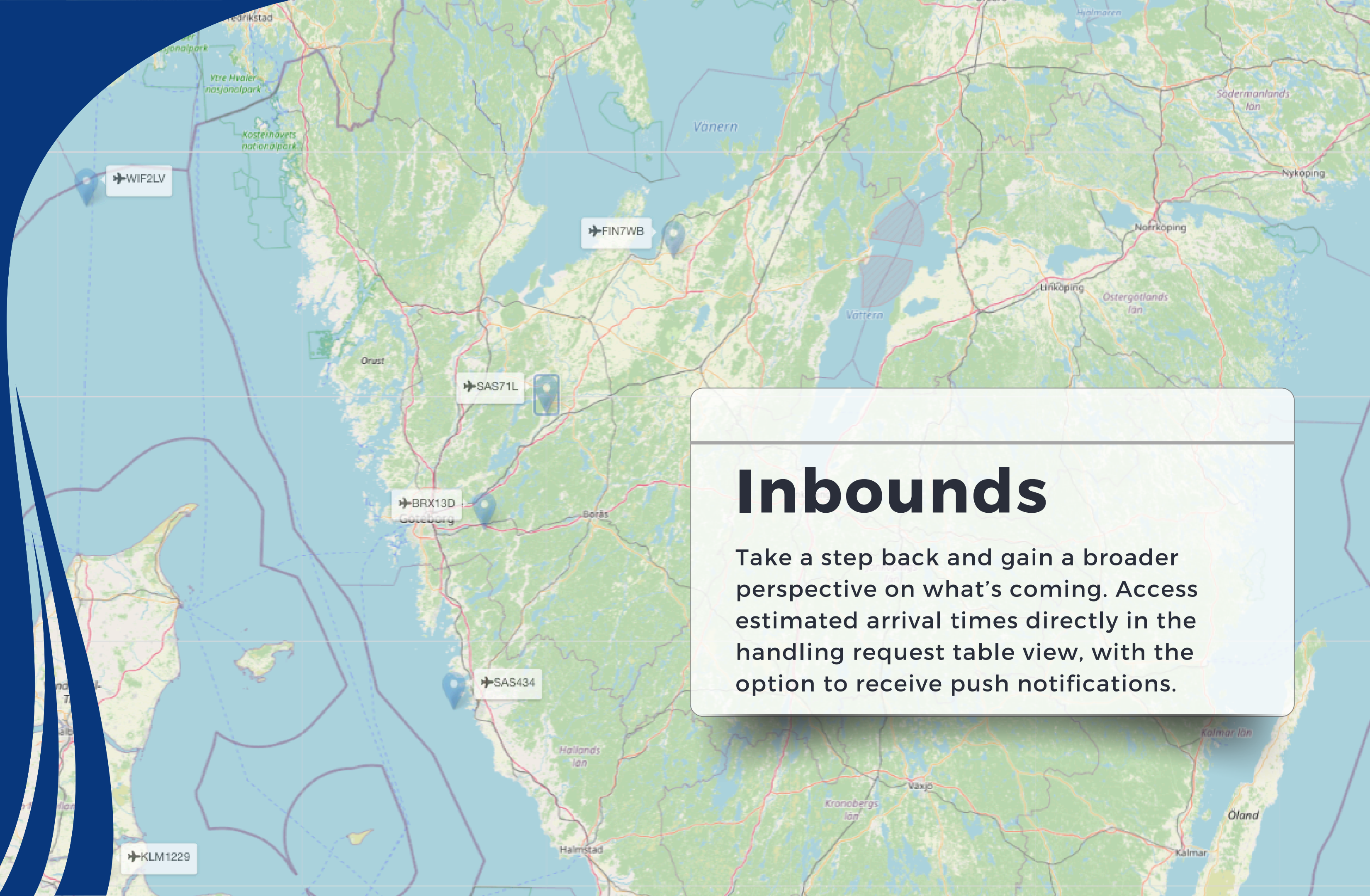
< Back to overview



Editor

Simple click-and-drag editor for managing areas of identification, groupable into any number of color-coded categories (in the previous example, runway areas were designated red for signal value).

Click first point to close the polygon

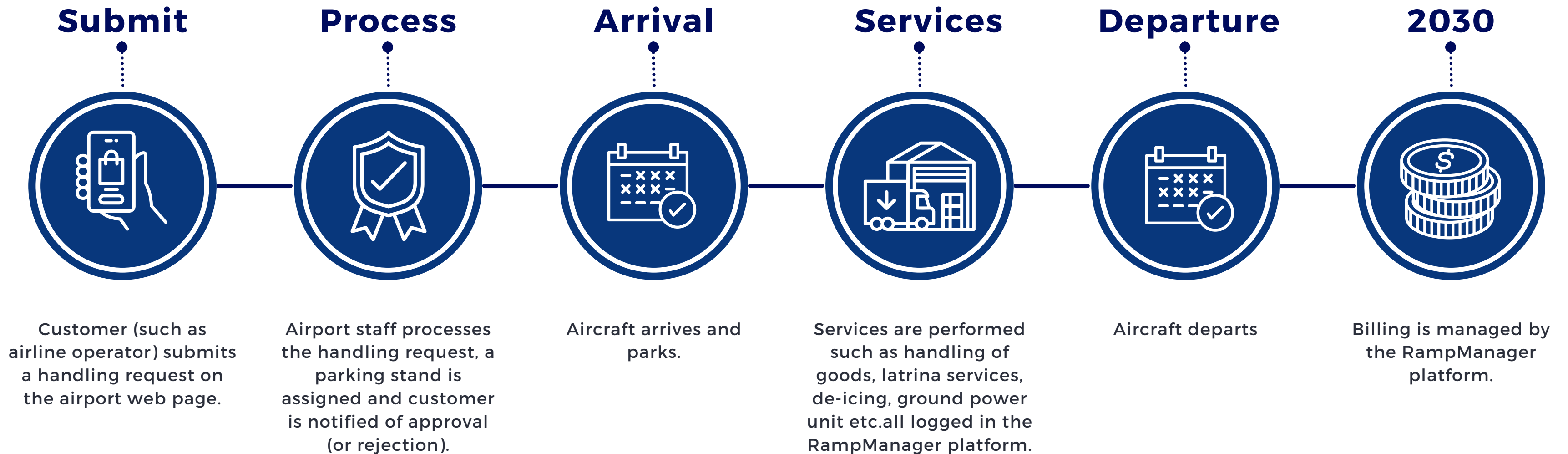


Inbounds

Take a step back and gain a broader perspective on what's coming. Access estimated arrival times directly in the handling request table view, with the option to receive push notifications.



Handling requests workflow





Handle Handling Request

Aircraft registration	SEABC
Customer	Alpha (#3)
Type of aircraft	pa28
Fire category	1
Maximum take-off weight (MTOW)	1200
Arrival or departure	Arrival
Date and time UTC	2024-09-05 14:21 z
Coming from (IATA)	BMA
Coming from (ICAO)	ESSB
Cargo	-
Crew contact details	Mikael Pernstrand, 0768-164888
Ground transport contact details	
<input checked="" type="checkbox"/> Customs informed	
<input checked="" type="checkbox"/> Ramp informed	
<input type="checkbox"/> Tower informed	
Internal notes	
Approved	2024-09-05 13:28
Approved by	airporttools@naviation.se

Parking overview

	Mon, 02 Sep 2024 02:21 UTC
	Mon, 09 Sep 2024 02:21 UTC
Main apron domestic	
10	
11	S
12	
13	SEL
14	SEABC
Main apron International	
15	S P S
16	N4
17	
18	
19	

Handling requests

Manage aircraft details, receive and process handling requests over the web, track payable services, generate instant invoices, and monitor payment statuses.



Home > Ramp > Parking (day)

Parking overview day

+ Create new

2024-09-05



Thu, 05 Sep 2024 00:00 UTC

Thu, 05 Sep 2024 23:59 UTC

Parking chart

Visual representation of stand, gate, and hangar occupancy, with built-in safeguards to prevent double booking. The system is seamlessly integrated with the handling request process, ensuring that no handling request is approved without an available parking stand.

Main apron domes

1

11

13

14

Handling apron

SELAK

SELAK

SEABC

SEDJR

NLABC

SEDJ

N44592



Add aircraft

Customer (optional)



Registration



RAF3384

Type



H47

Color



Arrival Time (UTC)



2024-09-11 17:07

Departure Time (UTC)



2024-09-13 19:09

Choose parking



11

Save

Parking overview

Wed, 11 Sep 2024 00:00 UTC

Fri, 13 Sep 2024 23:59 UTC

Main apron domestic

10

11

12

13

14

Flexible items

You can also add items to the parking chart without a handling request. For example, a stand may be temporarily occupied by a short-term military visit, a different type of vehicle, or even closed for maintenance. Regardless of the reason, any changes made will automatically integrate with the occupancy system



Invoice

Basic information

Invoice #	1
Invoice date	2024-09-05
Due date	2024-10-05
Amount	2,280.00
Paid	No

Customer data

Customer #	Alpha
Adress	Golden Street 1 111 11 Storstaden Sweden

Your reference Mack McMack

Phone 555555

E-mail alpha@example.com

Invoice items	Aircraft registration	Signature	Quantity	Price/unit	Amount
Cargo handling	NLABC	WEL	4 1/2 hr	570	2 280

Show for printing

Show as invoice basis for printing

Invoicing

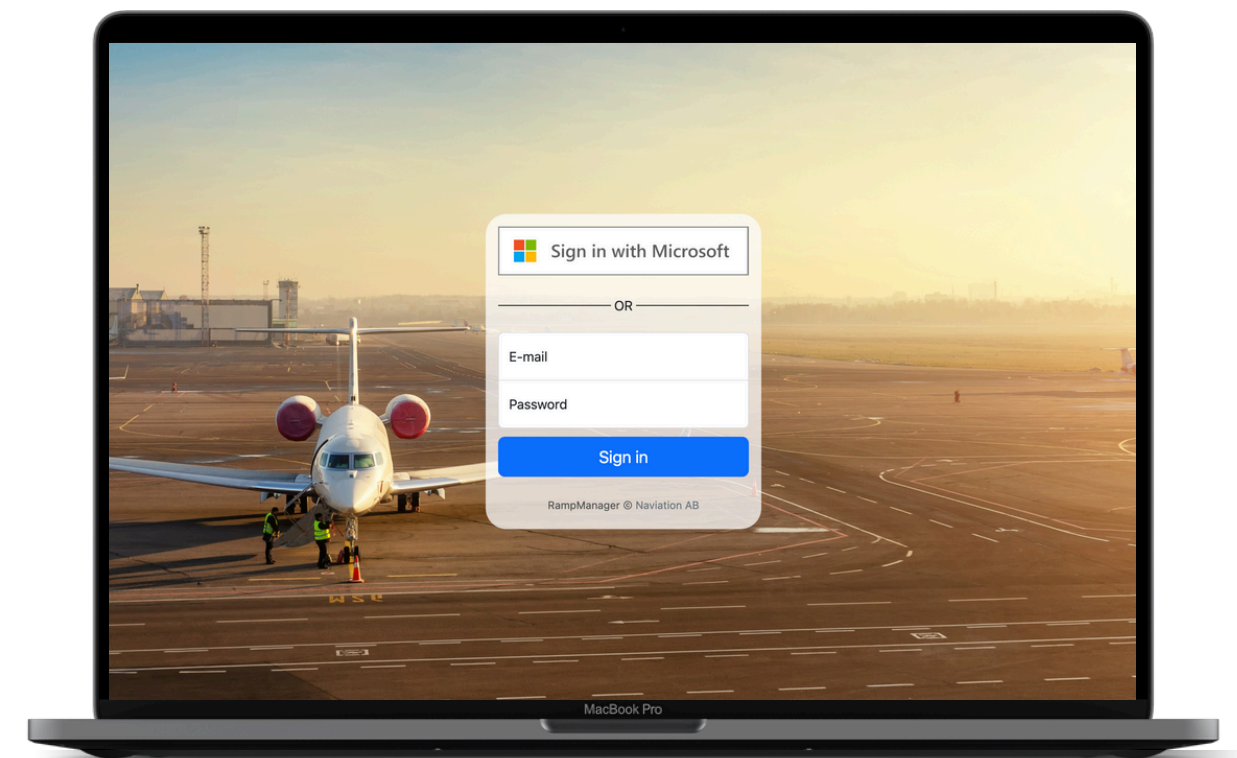
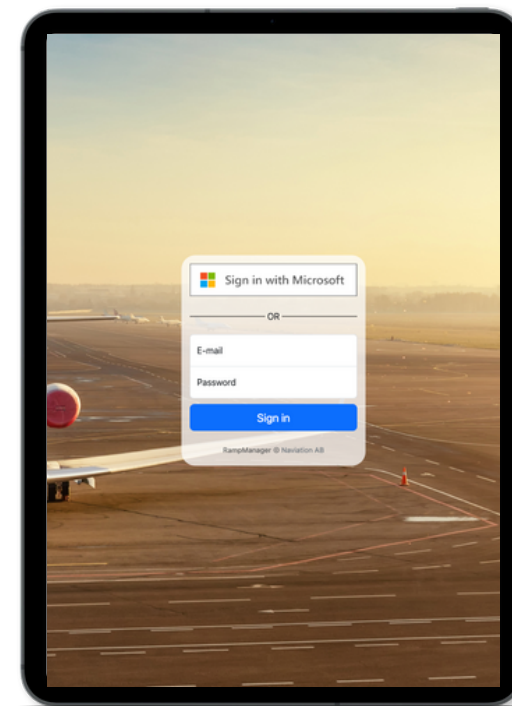
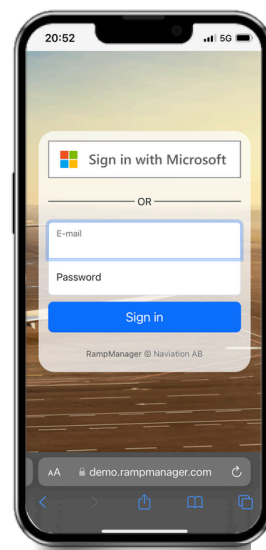
Easily generate invoices based on performed services (as reported in the app by ramp crew), track payment status, get clear reminders etc. Impossible to miss charging for a service!

Mark



Responsive

RampManager functions seamlessly on desktop, tablet and smartphone formats.



Deployment options

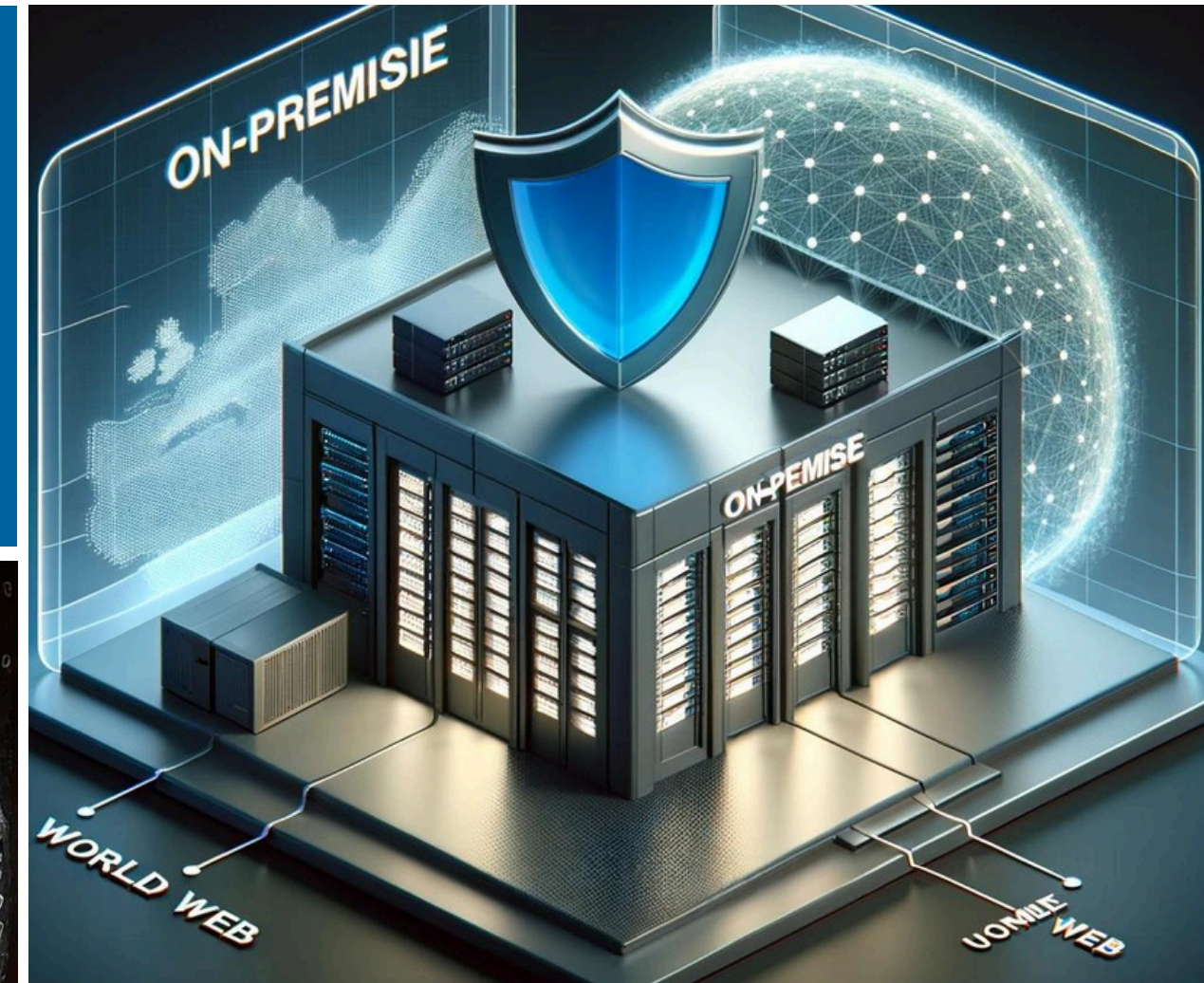


Option #1: The web

You can deploy the application on a web server accessible globally, or configure access restrictions based on IP addresses, countries, and other criteria

MFA & VPN

For web deployment, we strongly recommend enabling our MFA login features and/or using a VPN solution for enhanced security. We offer OpenVPN as an out-of-the-box option



Option #2: On-premise

For maximum security, the application can be deployed on an in-house server, ensuring that only devices within your facility and network have access.



Open data sources

In the standard setup, data sources for aircraft positions and other relevant information are obtained from open sources, which are sufficient for maintaining an overview of movements at the airport. When augmented with simple location beacons in airport vehicles, this becomes a highly effective surface movement information system at a fraction of the cost.

ATM integration

By transitioning the data source from open or public services to a certified multilateration system and deploying RampManager securely on-site within a segmented network, rather than online, the ground movement monitoring module can function as a certifiable surface movement surveillance system for air traffic controllers.



Droneports & Vertiports

The first vertiports are currently under construction, These initial facilities are quite basic, consisting mainly of a helipad and a hangar.

However, as vertiports expand in size and capacity, they will require cost-effective solutions for Surface Movement Monitoring to **ensure safe operations**, especially in adverse weather or low-visibility conditions.

This will involve systems similar to the traditional multi-million-dollar Surface Movement Guidance and Control Systems (SMGCS) used in airports today, but tailored to the unique demands—and, not to mention, the **budgets—of vertiports.**



naviation

Thank You!

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