

SENSORS, FILTRATION, SOLUTIONS

MILITARY



ABOUT US

SENSOR, FILTRATION, SOLUTIONS

In the course of the company’s successful history, many new brands which operate in different markets have been founded and acquired on a global level. In order to further strengthen our collaboration with customers and partners, we have decided to integrate our brands into a new brand.

sefiso encompasses exactly what we stand for globally: Sensors, filtration and customised solutions around the clock. sefiso makes it easier for us to better organise our corporate structures and perfectly reflect our products and services.

DIVISIONS



FACTS & FIGURES



FUEL QUALITY, CONTROL & MONITORING

ENSURING OPERATIONAL READINESS ACROSS MILITARY OPERATIONS

Continuous Fuel Conditioning

Our solutions are designed to continuously condition fuels throughout the entire lifecycle, ensuring consistent quality at every stage. Filtration and water separation protect systems from contamination and maintain stable fuel quality under all operating conditions.

Monitoring & Control

Fuel monitoring solutions provide transparency and confidence in fuel quality. Continuous control supports early detection of contamination, enables preventive maintenance and reduces the risk of operational disruption.

Scalable & Mission-Ready Solutions

Military operations require flexible systems that adapt to changing operational needs. Our solutions are scalable and suitable for:

- Permanent installations
- Mobile and temporary systems
- Shipboard and space-constrained environments

Robust design and low-maintenance concepts ensure reliable performance even in remote and challenging locations.

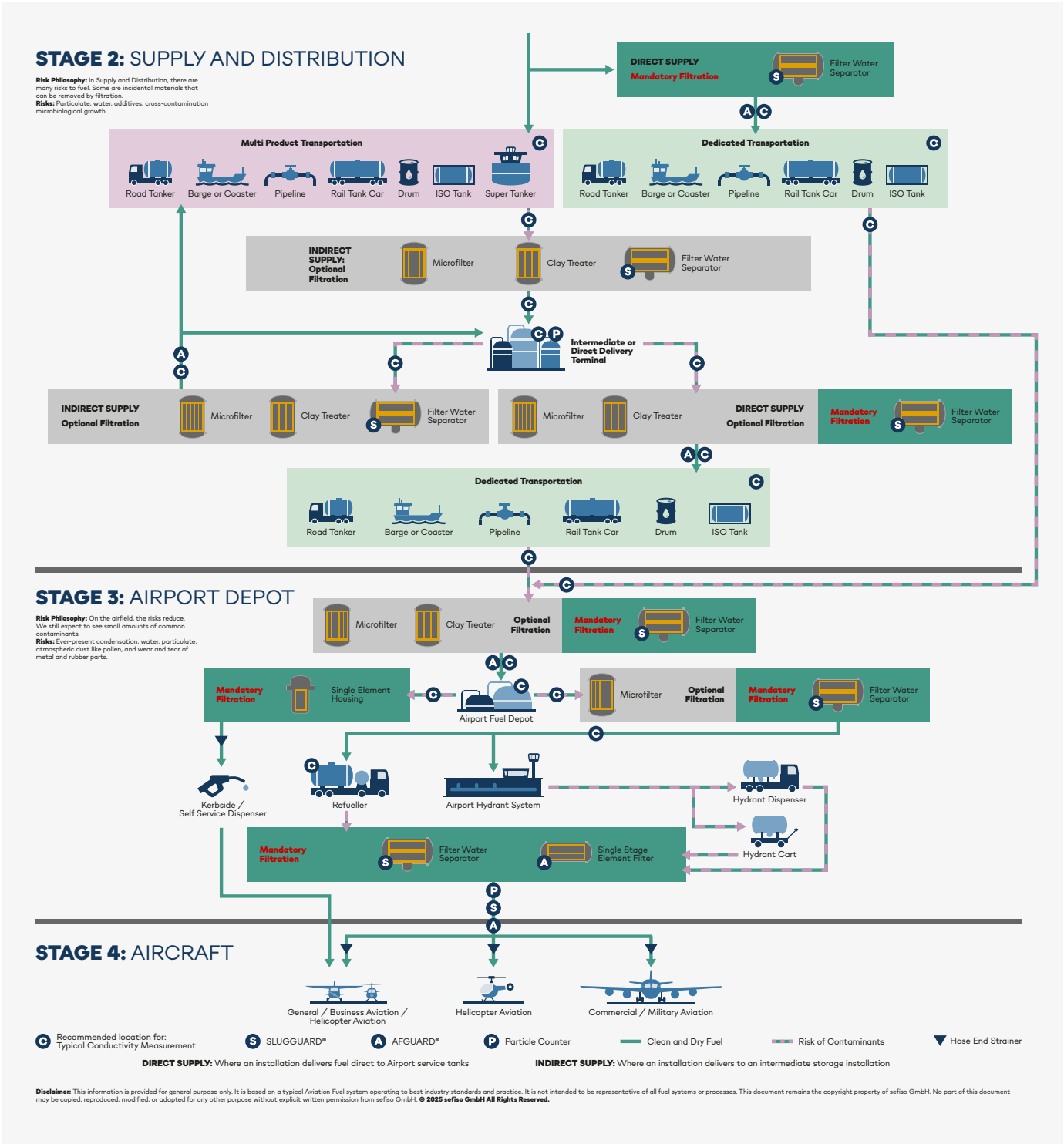
Key Benefits for Military Operations

- Assured fuel quality across all domains
- Protection of critical assets and systems
- Reduced operational risk
- Increased mission availability and readiness
- Compliance with military and operational standards

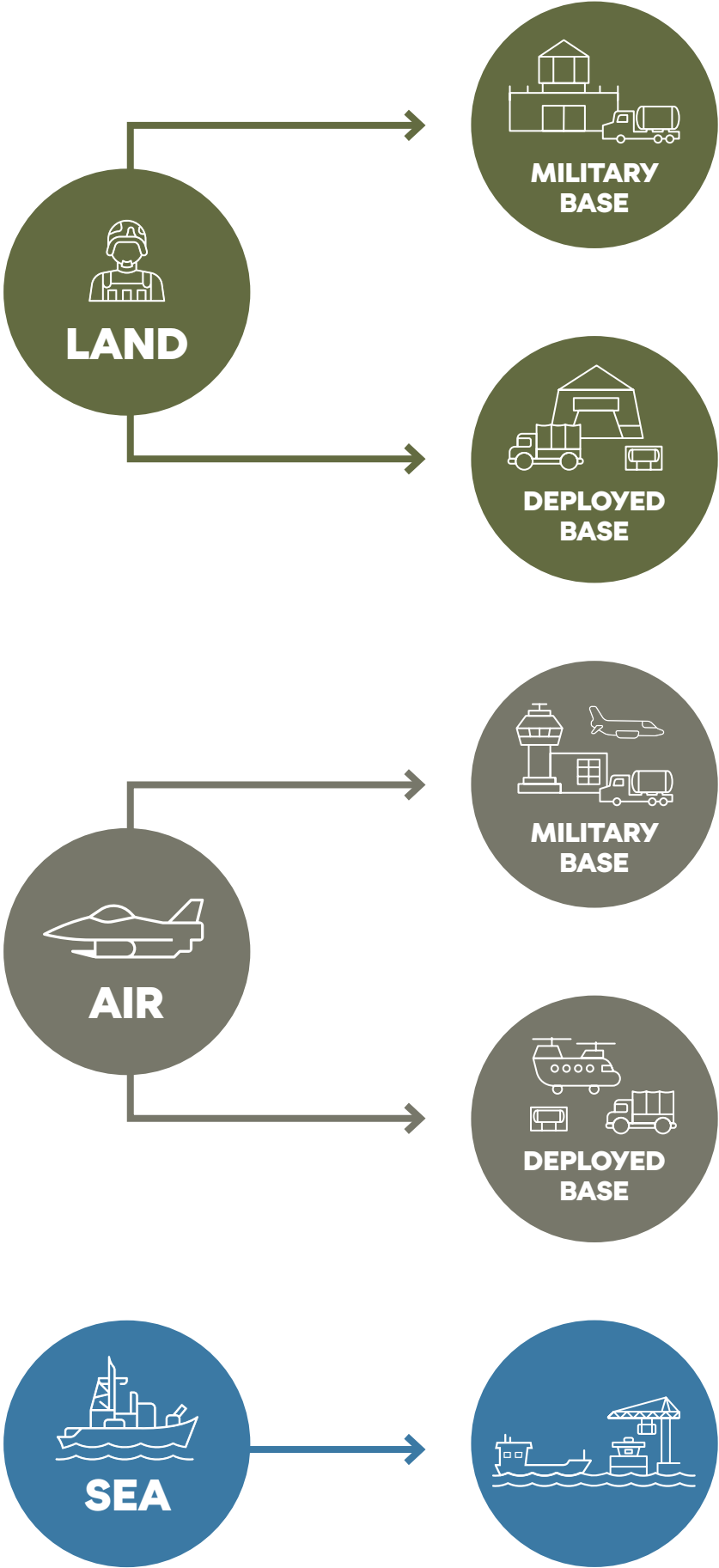
KEY MESSAGE



FUEL JOURNEY



APPLICATION AREAS
WITHIN THE MILITARY





LAND

RELIABLE FUEL HANDLING SOLUTIONS

From permanent military bases to rapidly deployed field operations – ensuring fuel quality, safety and operational readiness.

OUR PRODUCTS

AVIATION FUEL FILTRATION & CONDITIONING

MILITARY BASE

Applications

- Aircraft refuelling
- Central fuel farms

DEPLOYED BASE

Applications

- Forward operating bases
- Temporary airstrips / helipads

INDUSTRIAL FUEL & FLUID MANAGEMENT

MILITARY BASE

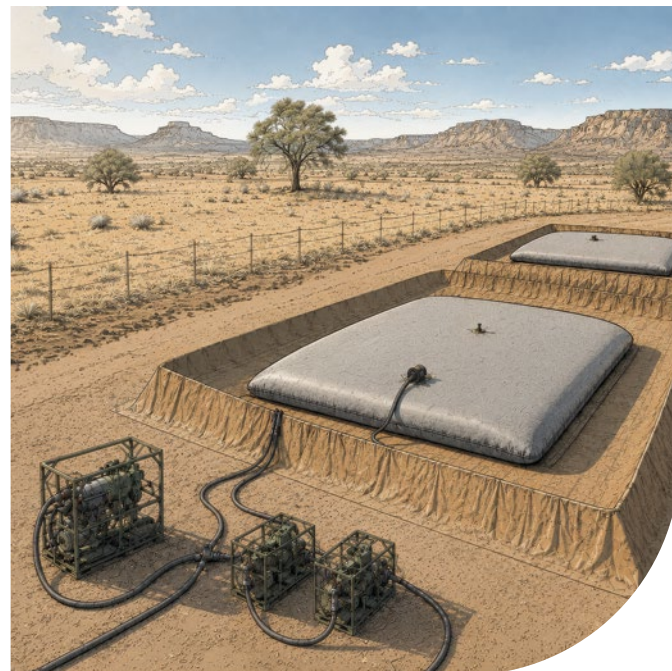
Applications

- Ground vehicles
- Power generation
- Workshops & maintenance

DEPLOYED BASE

Applications

- Mobile generators
- Tactical vehicles
- Emergency power supply



FILTER ELEMENTS



SENSOR, CONTROL & MONITORING



FILTER VESSELS





AIR

RELIABLE FUEL HANDLING SOLUTIONS

Supporting continuous flight operations – from permanent air bases to rapidly deployed expeditionary airfields.

OUR PRODUCTS

AVIATION PRODUCTS FOR AIR FORCE OPERATIONS

MAIN AIR BASE

Applications

- Continuous aircraft refuelling
- High-volume fuel throughput
- Compliance with military & aviation standards

DEPLOYED/EXPEDITIONARY AIR BASE

Applications

- Forward airfields
- Tactical airlift & mission support
- Temporary refuelling operations

INDUSTRIAL FUEL & FLUID MANAGEMENT

MAIN AIR BASE

Applications

- Ground support equipment (GSE)
- Backup power & generators
- Maintenance & workshop operations

DEPLOYED/EXPEDITIONARY AIR BASE

Applications

- Mobile power generation
- Tactical ground equipment
- Emergency & contingency operations



FILTER ELEMENTS



SENSOR, CONTROL & MONITORING



FILTER VESSELS





SEA

RELIABLE FUEL HANDLING SOLUTIONS

Ensuring safe, reliable fuel handling across ports, vessels and replenishment operations at sea.

OUR PRODUCTS

AVIATION FUEL FILTRATION & CONDITIONING

PORT & HARBOUR OPERATIONS

Applications

- Shore-based fuel storage for naval aviation
- Refuelling of aircraft and helicopters
- Fleet supply and logistics support

SHIP-TO-SHIP REFUELLING

Applications

- Replenishment at sea (RAS) operations
- Fuel transfer between naval vessels
- Mission endurance support

AIRCRAFT & HELICOPTER CARRIERS

Applications

- Shipboard aviation fuel systems
- Continuous flight deck operations
- Helicopter and fixed-wing aircraft support



FILTER ELEMENTS



SENSOR, CONTROL & MONITORING



FILTER VESSELS



MILITARY AVIATION & INDUSTRIAL PRODUCTS

PRODUCT OVERVIEW

Our product range for the military sector comprises a comprehensive portfolio of filtration and separation solutions for aviation fuel and industrial applications.

- High-performance filter vessels
- Coalescer / separator systems
- Portable refuelling units
- Monitoring equipment

Each product is purpose-built to meet the demanding operational requirements of defence environments. Our systems are deployed across fixed installations, mobile fuel handling operations, and forward operating bases worldwide.

Proven reliability – even under the most challenging conditions.

STANDARDS AND COMPLIANCE

Our filtration systems are designed and qualified in accordance with Energy Institute Specification EI 1581 (7th Edition), including Category M for military applications.

This ensures reliable removal of water and particulate contamination in line with internationally recognised performance requirements.

EI 1581 forms the technical basis for key military and NATO fuel standards, including STANAG requirements and national defence specifications such as UK DEF STAN.

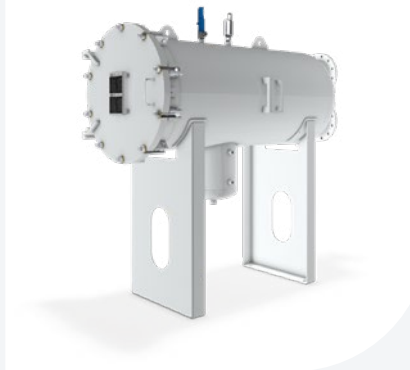
Our D-Type coalescer elements are additionally qualified in accordance with TL 4330-0001 Part 2, meeting specific German military technical requirements.

Our products are therefore fully aligned with the stringent requirements of military fuel supply chains, including NATO-coded fuels (e.g. F-34 / F-35).

Where required, systems can be delivered with STS-M qualification to ensure compliance with project- or customer-specific military approval procedures.

FILTER VESSELS

FW10-HM



FW24-HM-T



FWE / FWE-T



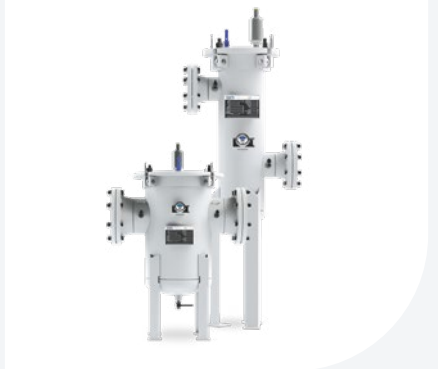
VFH Series



MF



Sieve Basket Strainer SKF



Clay Treater



FILTER ELEMENTS



SENSOR, CONTROL & MONITORING



Our sensor, control and monitoring solutions provide real-time oversight of critical parameters such as differential pressure, water contamination and flow rates in military fuel handling environments. Designed for both fixed and mobile systems, they deliver reliable, accurate data under the most demanding field conditions. All equipment meets defence-grade standards for safe and compliant fuel management across military supply chains.



The company headquarters are in Stadtlendorf, Germany.

Offices in Colorado Springs and Newark (USA), Dubai (UAE), Singapore (Asia) and São Paulo (Brazil) as well as Dublin (Ireland) and Milton Keynes (UK).

Production in Stadtlendorf (Germany) and Newark (USA).

Our global presence is constantly being expanded through a network of trading partners and service providers.