



SAAB

AIR DEFENCE TRAINING



YOUR PARTNER FOR AIR DEFENCE TRAINING SUPPORT

In airborne operations, safety and precision counts for everything. Good training can help pilots and anti-air defence crew to understand the challenges of modern missions. Great training can achieve far more.

With a long history of providing the very best in air defence training, you can rely on Saab's *thinking edge* to deliver the solutions that will efficiently prepare your team for any eventuality.

Since 1986, Saab Special Flight Operations (SFO) has trained customers in a multitude of commercial and military operations, and provided quality aerial target services for the Swedish Army and Navy.

Today, with headquarters at Stockholm Skavsta airport, Saab SFO is a qualified Electronic Warfare (EW) and target towing training operator, providing modern and cost-effective training for Nordic Armed Forces and other air defence customers.

PREPARATION IS EVERYTHING

With more than seven decades of experience in aeronautics, Saab knows the industry from top to bottom, and continues to offer cutting-edge solutions to operators.

The industry has changed significantly since Saab was first established, and the company has changed with it, building a reputation for technical excellence and quality service.

With this long history in the industry, Saab SFO is uniquely placed to help both commercial airlines and military forces train their personnel in key areas.

Effective, rigorous training is always a priority for aircraft operators. Saab's extensive range of capabilities enables us to meet a wide range of customer needs.

FACTS

- ▶ The SFO's main base and administrative headquarters is located at Stockholm's Skavsta airport
- ▶ Saab SFO has been awarded long-term contracts in Scandinavia, Austria, France and Greece
- ▶ In late 1998 the Norsk Flytjeneste company was incorporated into SFO
- ▶ The company performs ad-hoc operations all over Europe, the Middle East and Asia

CAPABLE RESOURCEFUL SKILLED



At Saab, we know that effective training is essential to the success of both military and civil organisations. We use our unsurpassed knowledge and expertise to deliver training solutions that provide effective, realistic preparation for personnel.

We are dedicated to providing the very best in operational training of air defence systems and technical mission solutions, and use our wide array of resources to achieve it.

Our vast capabilities enable us to support a variety of training scenarios, from EW and target towing through to flight service testing and evaluation.

These capabilities are built on the knowledge and expertise of our staff. Our highly skilled flight operations and support crews hold extensive experience, and are committed to delivering training solutions that hit the mark every time.

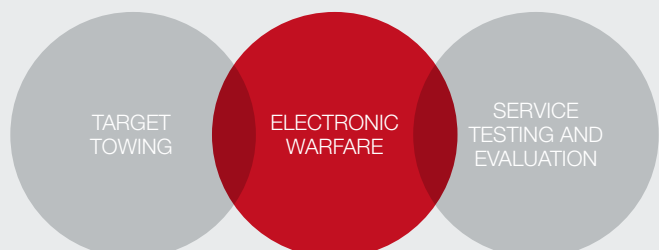
Saab SFO offers a complete support concept in the field of special flight operations.

We have decades of experience in providing effective, realistic training, helping us establish and maintain a global reputation for excellence.

We draw on this wide experience in the support that we provide today, working closely with our customers to meet their specific needs.

We are committed to offering rigorous training for air defence system operators. The principal areas in which we provide training solutions are outlined below:

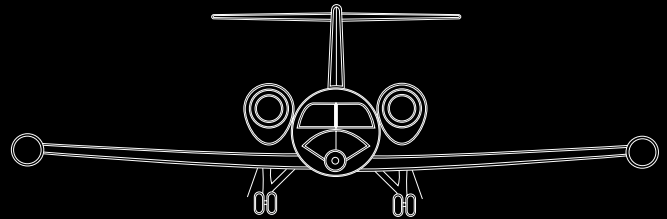
PRINCIPAL AREAS



OUR FLEET

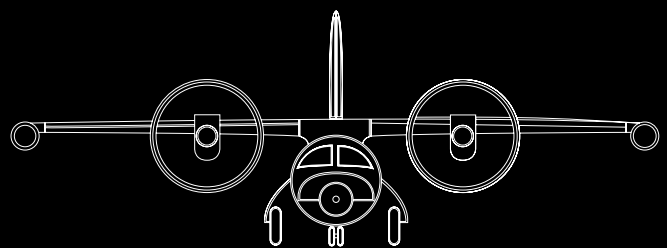
We operate Learjet 35 and Mitsubishi MU-2 aircraft. The Learjet 35 can carry external tow winches and/or EW pods. The Mitsubishi MU-2 can carry an internal tow winch or jamming pods. Our aircraft can be flown according to both civilian regulations and military flight plans.

LEARJET 35 A (LR-35 A)



SPEED	200–308 (/350) KIAS
TIME ON STATION	2–3 hours at low level
COMS	VHF/UHF (AM/FM)
NAV	VOR/ILS/DME/ADF/transponder/ B-Rnav GPS
SPECIAL EQUIPMENT	Outboard winch, 2 wing stations for pods/winches, onboard jammers and GP&C transponder
TOW	2 hard targets or 2 sleeve targets or 1 hard and/or 1 sleeve target
CREW	2 Pilots, 1–2 System Operators (SOP)

MITSUBISHI (MU-2)



SPEED	120–250 KIAS
TIME ON STATION	1.5–2.5 hours at low level
COMS	VHF/UHF (AM/FM)
NAV	VOR/ILS/DME/ADF/transponder/GPS
SPECIAL EQUIPMENT	2 wing stations for external stores, radar calibration sphere, onboard winch, onboard jammer, GP&C transponder and low power laser reflectors
TOW	Sleeve target up to 10 metres in length (replaceable in-flight)
CREW	1 Pilot, 1 SOP

FLIGHT OPERATIONS

Saab's SFO supports an extensive variety of training scenarios. Our capabilities include:

- EW and Electronic Protection (EP) training
- Target Tow
- Adversary flight profiles with or without Electronic Counter Measures (ECM) for AA and AD systems
- Radar threat emitter simulation for ESM training
- Radar sphere flight calibration of radar stations
- Test and evaluation flight-service for defence and industry

SAFETY

Safety is always a priority in training exercises. We know that our customers want training to be realistic and demanding, but it also needs to be safe.

Saab works to ensure that the training we provide meets all these criteria. Our priority is to keep you, our personnel and the general public safe, while still offering high-quality training.

We do everything possible to ensure training runs smoothly and efficiently, taking into account the weather, air traffic and the proximity of the general public.

Over the last 30 years we've worked hard to ensure that all our processes meet even the most stringent rules and regulations, and we continue to strive for further improvements.

Not only does this result in efficient, high-quality processes, but it also means we maintain the highest possible safety standards.



COMPLETE TRAINING

For customers who require a more comprehensive training package, we offer a combination of EW and Target Tow. This provides your team with the skills needed to overcome any challenge.

TARGET TOW



All targets are optimised to provide effective gunnery and missile practice and testing, for both surface-to-air and air-to-air exercises.

Depending on customer requirements, a range of targets can be provided, having all been developed for different augmentation, such as radar, laser and infrared. For basic to mid-level training, a sleeve target is a good option – this can be towed by all aircraft in the fleet.

A mixture of target colours can be used, and hard targets can also be utilised for high speed/long cable-length requirements such as missile firing or cruise missile simulation at a very low level.

For scoring, acoustic or radar-based targets, Miss Distance Indicators (MDI) are used. The MDI is placed either in front of the sleeve target, or inside the hard target, and the scoring station is normally placed inside the aircraft or the ground station.

ELECTRONIC WARFARE



EW is a key part of the modern battlefield. It can be used in a wide variety of scenarios, and is becoming increasingly complex.

Saab SFO trains air defence crews in the latest EW and EP developments across a number of different scenarios, to ensure the rigour of the training.

Efficiency and effectiveness are at the heart of the training. This encompasses a number of aspects, including the controlled increase of jamming, flight profiles, and flexibility of SFO aircraft and crews.

Both air-to-air and air-to-ground EW training is provided, from basic and medium training, right through to highly advanced levels.

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AND SOLUTIONS THAT **ENHANCE**
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