
Crafted in Switzerland
PC-7 MKX
THE SMART BASIC TRAINING SYSTEM
PILATUS

PREPARING FUTURE MILITARY PILOTS

PC-7 MKX

SUPERIOR TRAINING VALUE

WE INVENTED THE BASIC TRAINER. AGAIN.

Today's Air Forces seek efficient, proven, and technology-driven training platforms that deliver long-term value. The PC-7 MKX provides exceptional capability in its class, combining advanced equipment, robust performance, and unmatched cost-effectiveness. Powered by the globally proven Pratt & Whitney Canada PT6A-25C engine, it offers the lowest engine operating costs of any turboprop trainer.

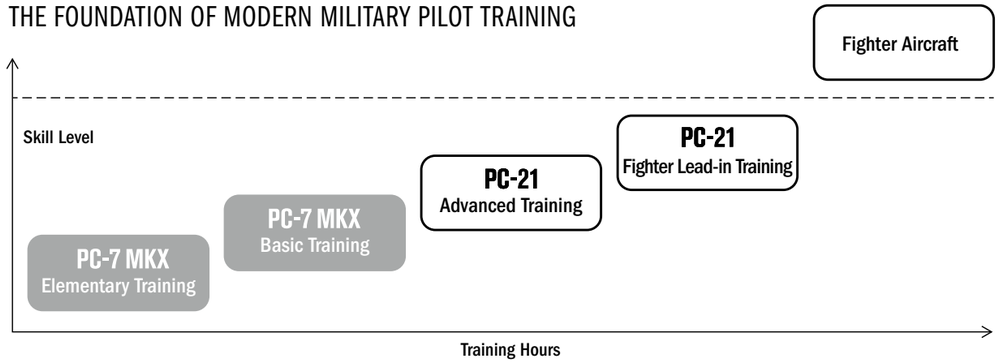
At the heart of the PC-7 MKX is a state-of-the-art cockpit inspired by the design philosophy of our flagship, the PC-21. It features next-generation high-definition displays and smart avionics that introduce students to the core concepts of modern digital cockpits while maintaining the clarity and simplicity needed for early-stage flight training.

The PC-7 MKX provides a smooth, confidence-building entry into modern military aviation. Its forgiving handling characteristics and reliable airframe make it ideally suited to train a wide range of aircrew, making it the perfect basic trainer for Air Forces worldwide.

Engelberg, Switzerland | 46°44'65"N | 8°26'51"E

Lauterbrunnen, Switzerland | 46°34'51"N | 8°8'53"E

THE FOUNDATION OF MODERN MILITARY PILOT TRAINING



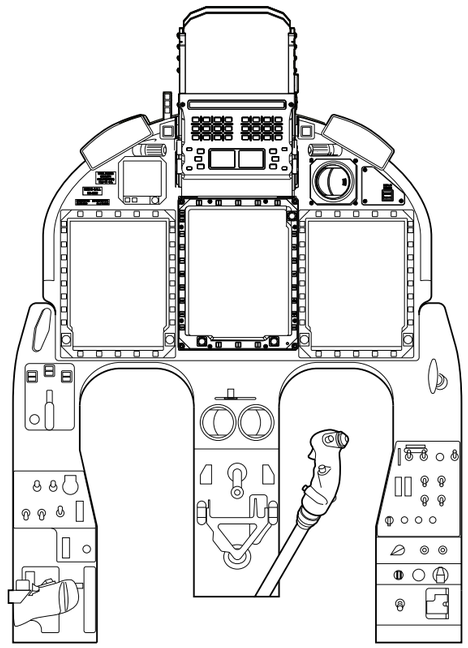
SUPERIOR TRAINING VALUE

THE PROVEN PATH TO OPERATIONAL SUCCESS

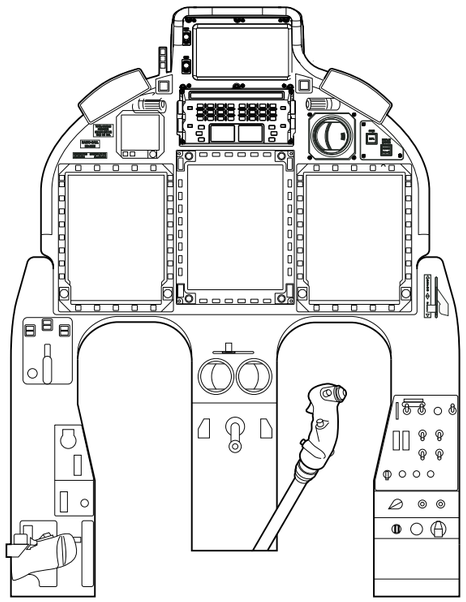
The PC-7 MKX is based on a proven and easy-to-fly platform to teach ab initio students. It comes with exceptional, state-of-the-art equipment in this class of training aircraft.

Offering a reliable and affordable training platform, the docile behavior of the PC-7 MKX in the hands of a beginner provides a confidence-building environment for inexperienced students. With its highly cost-efficient PT6A-25C engine with 700 shaft horse power, it provides sufficient performance.

Pilatus is the world's only aircraft manufacturer to offer a seamless Training System for all phases of military instruction. A unique 2-platform approach facilitates transition of a student pilot straight into a fifth generation front line asset, or streaming rotary and transport pilots after phase two or three.



Front Cockpit



Rear Cockpit

AVIONICS & MISSION CAPABILITY

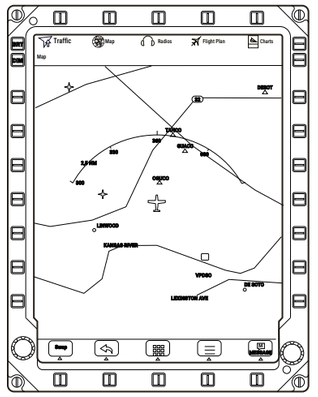
SMART TECHNOLOGY AT YOUR FINGERTIPS

The PC-7 MKX's smart avionics suite offers broad capability, allowing maximum flexibility for a wide variety of training missions.

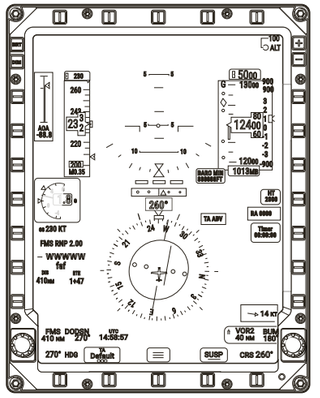
The cockpit layout is similar to that of advanced training and fighter platforms, enabling students to smoothly transition to the next phase of training. The PC-7 MKX avionics includes a synthetic vision system, traffic advisory system, cockpit camera, head-up display, and a Mission Planning and Debriefing System to address specific training needs.

These systems prepare student pilots for a new generation of avionics, exposing them to the type of information and workload they will encounter in future operational aircraft.

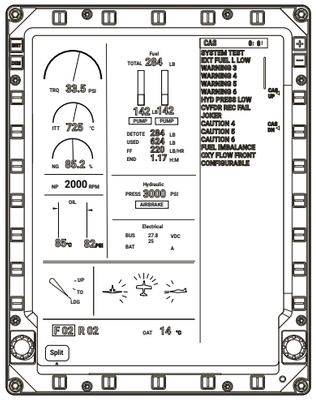
Only with the PC-7 MKX do you get an ultra-modern, smart basic trainer cockpit with a highly professional avionic suite, tailored to meet the specific requirements of military pilot training.



Navigation



Primary Flight Display



Engine Indicating and Crew Alerting System

AVIONICS & MISSION CAPABILITY

SO FORWARD-THINKING THAT YOU'LL NEVER LOOK BACK

The cockpit features three multifunctional displays to give students the earliest possible exposure to the technology found in today's front line assets. The primary flight display allows selection of various flight modes, whilst the left and right displays feature a moving map for navigation, a Flight Management System and an Engine Indicating and Crew Alerting System.

Systems can be operated using the bezel keys, or the left multifunctional display with help of a touch-screen capability. The up-front control panel also features displays to allow selection of frequencies, transponder codes and other flight relevant data.

The smart avionics software used in the PC-7 MKX is engineered specifically to meet the demands of military pilot training. It delivers a professional, mission-oriented avionics environment with a clear focus on military training needs. This ensures that student pilots receive integrated, conformal, and progressive instruction from the very beginning.

Today's state-of-the-art fighter aircraft, helicopters, and transport planes are equipped with many of the same systems. Students are therefore well prepared to make efficient use of these tools as they advance to operational platforms.

AVIONICS & MISSION CAPABILITY

LEADING AIR FORCES USE STATE-OF-THE-ART EQUIPMENT

The PC-7 MKX is designed to teach basic, yet essential skills that must become second nature for every military pilot. The handling qualities of the PC-7 MKX allow unrestricted use by even the novice student with ample margin for error. The smart avionics and on-board systems enable the PC-7 MKX to be employed in the next phases of training: navigation and instrument flying, aerobatics and formation flying, and use of airspace and mission planning and debriefing.

After training on the PC-7 MKX, students are capable of safe and professional aircraft operation in military and civil environments – the first step in becoming a successful military aviator and the basis for the following phases of training.

GROUND-BASED TRAINING

MORE THAN JUST THE AIRCRAFT

The fully integrated PC-7 MKX Training System provides a proven turnkey solution for today's pilot training needs. Modern front-line aircraft feature complex avionics and high mission-system workloads. To prepare effectively, student pilots must train in realistic environments from the very beginning.

The PC-7 MKX Training System offers a seamless blend of e-learning, simulation, and training management tools. Computer-Based Training, supported by Virtual Reality applications and Interactive Wallboards, transforms the classroom into an engaging, immersive environment. The Training Management System ensures structured progression by tracking student performance and adapting content to individual training needs.

As students advance, they deepen their understanding through increasingly immersive simulation experiences, bridging theory with practical skills in realistic cockpit environments and in the aircraft itself.

This progressive approach introduces pilots to mission profiles traditionally reserved for costly airborne platforms, building competence and confidence well before live flying.

By combining performance, flexibility, and proven affordability, the PC-7 MKX Training System enables Air Forces to train more effectively, with fewer flying hours, higher graduation rates, and faster transitions to front-line readiness at lower cost.

GROUND-BASED TRAINING

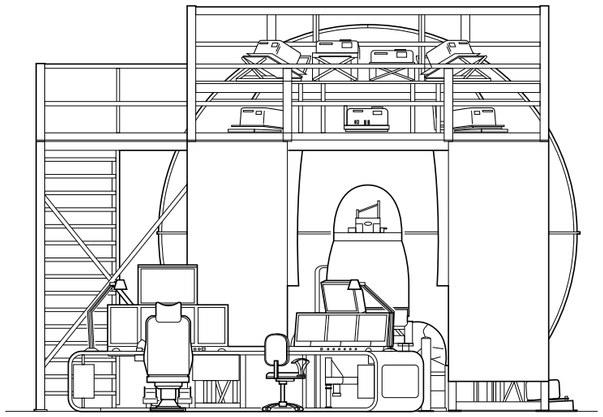
PREPARE YOUR MISSION

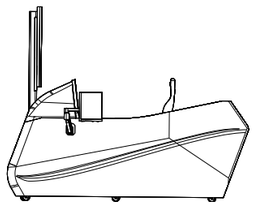
The PC-7 MKX Ground-Based Training System provides both student pilots and instructors with the tools to ensure success.

In this age of computer-based self-study, it is important to retain flexibility. Pilatus offers a range of training materials from the simple aircrew manual to fully immersive simulation. Initial computer-based training is complemented by computer-aided instruction and advanced mission planning and debriefing systems.

In addition to basic planning, the mission planning system contains an integrated digital flight manual for performance calculation and advanced capabilities such as the ability to plan formation sorties and both 2D and 3D mission rehearsal.

An essential element of the PC-7 MKX Ground-Based Training System, the Mission Planning System, is the last step in the preparation for flight.





GROUND-BASED TRAINING

PRACTICE YOUR MISSION VIRTUALLY

The flight simulator is a cornerstone of the PC-7 MKX Integrated Training System. Pilatus delivers a range of simulation solutions using modern technology and deep expertise to support efficient, effective pilot training.

The PC-7 MKX Full Flight Simulator offers an immersive, high-fidelity training experience powered by cutting-edge visual systems. It gives student pilots in-depth knowledge of the aircraft and its avionics, while enabling them to rehearse a wide range of sorties – including normal and emergency procedures. A powerful instructor station allows real-time monitoring, control, and post-flight debriefing of all training events.

For a scalable and cost-effective solution, the PC-7 MKX Flight and Navigation Procedures Trainer integrates mixed reality technology to enhance immersion during systems and procedural training. Designed for early-phase instruction, it bridges the gap between classroom learning and full-flight simulation, delivering high training value at a low operational cost.

GROUND-BASED TRAINING

DEBRIEF YOUR MISSION

The Mission Debriefing System is a powerful training tool that provides vital post-flight analysis capability and accelerates the student learning process.

Whether replaying a sortie from the aircraft or the simulator, the Mission Debriefing System provides synchronized post-flight replay of audio, video and avionics data recorded during the mission.

Using the Mission Debriefing System, instructors can reinforce key learning points and students can review sorties or conduct critical self-analysis. The system can also be used to assess student performance on solo sorties, for post-incident analysis or comparative measurement of progress over time.

The Pilatus Mission Debriefing System provides a tool for detailed analysis of performance and gives the opportunity to learn from both mistakes and successes.

INTEGRATED LOGISTICS SUPPORT

RELIABLE SUPPORT THAT KEEPS TRAINING ON TRACK

Pilatus is a trusted long-term partner to Air Forces worldwide, ensuring that training systems remain ready for daily operations. The integrated support offering covers aircraft, simulators, mission systems, logistics, and infrastructure, tailored to meet each customer's specific requirements.

By combining Original Equipment Manufacturer engineering expertise, global logistics, and local capability into a single, responsive support framework, Pilatus delivers consistent availability, predictable costs, and reduced administrative workload. Support solutions are structured with clearly defined roles and responsibilities, enabling measurable performance and streamlined execution.

Support is managed as one integrated framework focused on readiness, reliability, and continuity. Continuous improvement, driven by operational feedback and data-based insights, ensures every element of the training system remains aligned, proactively maintained, and mission-ready.

With operations across all continents, Pilatus ensures dependable supply-chain fulfilment and responsive technical assistance, helping Air Forces meet demanding readiness and availability goals with confidence.

Customer Advantages with Support Contract

- Fleet readiness & uninterrupted training
- Transparent budget planning & long-term stability
- Direct access to engineering & design authority
- Proven parts fulfilment & fast turnaround times
- Support aligned with your growth & tempo

Tailored and Integrated Support

- Spare Parts
- Repairs & Overhaul
- Engineering & Technical Support
- Training & Supply Services
- Technical Publications
- Conguration Management Obsolescence
- Infrastructure
- Authorized Maintenance Organization
- Logistics & Supply Chain

A PROVEN TRAINING SYSTEM

PILATUS – A WORLD-RENOWNED MANUFACTURER

Since 1939, Pilatus has built a reputation for constructing aircraft that excel in demanding conditions without compromising safety, performance or comfort.

Our first sustained success came with the Pilatus P-2 and P-3, used by the Swiss Air Force. Highly successful regionally, these trainers provided Pilatus with the experience it needed to grow to a global level.

Our military training aircraft are used by thousands of Air Force pilots around the world. Pilatus has a long history in assisting air forces to train their front line pilots. Customers rely on us to provide them with a world-class Training System.

From this proud heritage comes knowledge: both the PC-7 MKX and PC-21 embody this experience and represent the pinnacle of over 85 years of precision training aircraft manufacturing. Align and integrate your training system into the network of Pilatus operators – on the same professional level.

Rickenbach, Switzerland | 47°12'42"N | 8°9'14"E

A PROVEN TRAINING SYSTEM

WHY QUALITY IS KEY

A trainer aircraft is put through thousands of landings, some of which may not be the smoothest, all in the normal course of allowing students to accumulate personal flying experience. A high quality training aircraft is essential for such demanding operations. With its lightweight aluminum structure, high propeller ground clearance, and a robust undercarriage, the PC-7 MKX is built to last.

The design of the PC-7 MKX uses conventional semi-monocoque construction for the wing, fuselage and empennage. The primary structure is built of aluminum alloy sheet and extrusion. Combined with precision workmanship, these features provide a high degree of interchangeability as well as easy parts replacement. All metal components are treated against corrosion, protecting the PC-7 MKX for all types of climates and the hardest training missions.

The PC-7 MKX is not about experimentation: it is an exceptionally proven trainer aircraft built on a solid certification foundation. You will be provided with all the support you need over its entire lifecycle. This aircraft is guaranteed to deliver a lifecycle of at least 30 years, as evidenced by other Air Forces that rely on the PC-7.

Platthorn, Switzerland | 46°9'55"N | 7°50'46"E

Goms, Switzerland | 46°28'49"N | 8°12'18"E

WHY OWN THE PC-7 MKX?

TEN REASONS

1. STATE-OF-THE-ART TRAINING

The PC-7 MKX is optimized for use in the primary and basic phases of military flight training. It is the ideal tool for streaming young pilots into their future assignments, be it a fighter, multi-engine or rotary platform.

2. SMART AVIONICS

The avionics suite of the PC-7 MKX is ultra-modern. It is highly professional avionics software developed with a focus on military use. It will effortlessly prepare the student for the next training segment on the way to the front line.

3. HIGH AVAILABILITY & RELIABILITY

The PC-7 MKX is based on the proven PC-7 MkII trainer platform in use all over the world. Like its predecessors, the PC-7 MKX offers unbeatable reliability which results in constant availability in all climatic environments.

4. TOP PERFORMANCE

700 shaft horse power and 300 knots top speed: the PC-7 MKX offers unsurpassed aerodynamic performance in this class of trainer aircraft on the market, pushing the speed and climb rate into a domain for best possible training success.

5. SAFETY FIRST

The PC-7 MKX combines world-renowned Martin-Baker ejection seats with a proven Pratt & Whitney Canada engine, delivering exceptional safety and reliability. Its benign handling characteristics ensure safe operation at all times – even in the hands of a beginner.

6. SUPERIOR TRAINING VALUE

The PC-7 MKX delivers exceptional training value by combining high performance with low maintenance and operating costs, resulting in one of the most cost-efficient platforms for modern military pilot training.

7. SWISS QUALITY

A trainer aircraft is put through thousands of landings, some of which may not be the smoothest. A high quality training aircraft with aluminum structure is essential for such demanding operations. Pilatus has been producing and selling aircraft worldwide since 1939, earning a reputation for excellence.

8. INTEGRATED TRAINING SYSTEM

The PC-7 MKX is part of a complete training solution that blends a Training Management System with VR tools, simulation, mission planning, and debriefing capabilities.

9. FIRST-CLASS SUPPORT

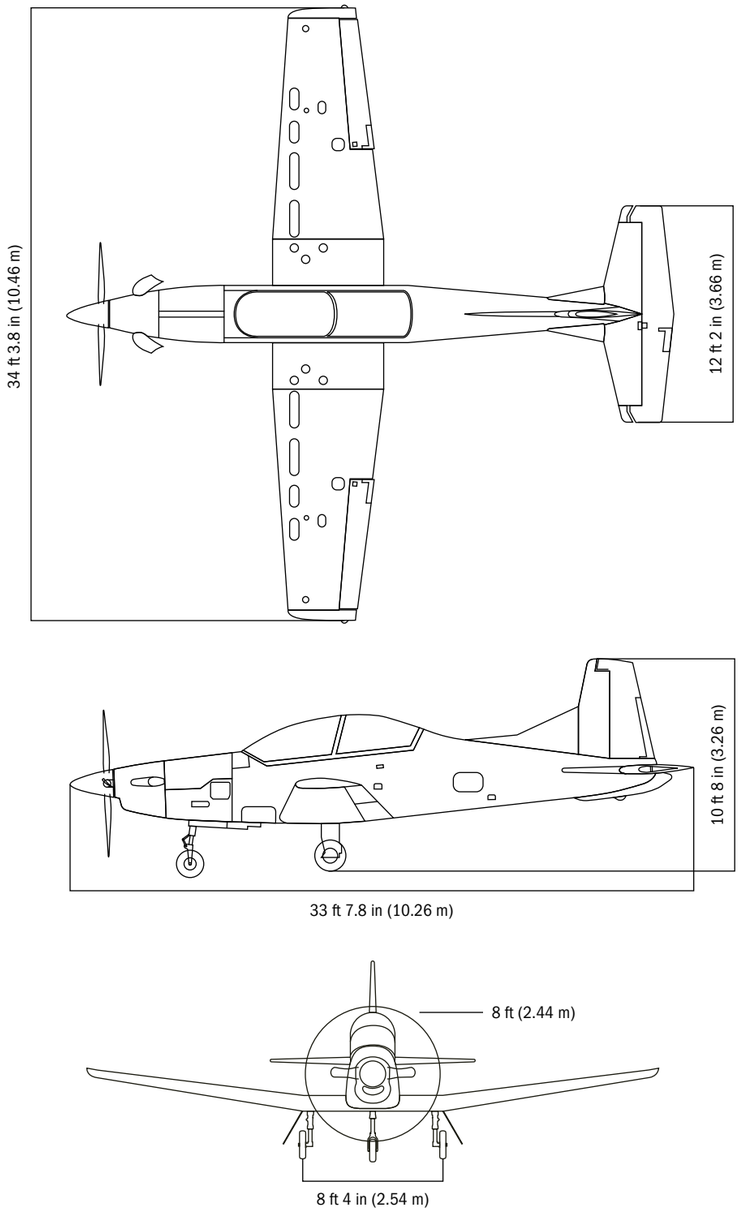
Pilatus's one-stop shop approach covers everything needed for efficient pilot training, from aircraft and integrated training systems to documentation, engineering, supply chain, and supervision. Our support continues well beyond delivery, with tailored solutions and dependable service throughout the lifecycle.

10. RISK-FREE ACQUISITION

The PC-7 MKX is built on a solid certification foundation. This aircraft is guaranteed to deliver a lifecycle of at least 30 years. Pilatus is an independent Swiss company operating from neutral Switzerland. Your data are protected and you retain full data sovereignty. Always.

FACTS & FIGURES

DIMENSIONS & WEIGHTS



DIMENSIONS (EXTERIOR)

Wing span	34 ft 3.8 in	10.46 m
Horizontal tail span	12 ft 2 in	3.66 m
Fuselage length	33 ft 7.8 in	10.26 m
Fuselage width	3 ft 2 in	0.97 m
Propeller diameter	8 ft 0 in	2.44 m
Wing projected area	175.27 ft^2	16.28 m^2

WEIGHTS

Maximum operating weights (for acrobatic category and with underwing stores):

	Acrobatic category		With underwing stores	
Maximum ramp weight	5,203 lb	2,360 kg	6,305 lb	2,860 kg
Maximum take-off weight	5,181 lb	2,350 kg	6,283 lb	2,850 kg
Maximum landing weight	5,181 lb	2,350 kg	6,283 lb	2,850 kg
Maximum zero fuel weight	4,409 lb	2,000 kg		

ALTITUDE

Maximum operating altitude	25,000 ft	7,260 m

SPEEDS

Equivalent air speeds at maximum operating weights

	Acrobatic Category (5,181 lb/2,350 kg)	
Maximum operating speed *(VMO)*	300 kt	556 km/h
Maximum operating mach *(MMO)*	0.60 M	
Stall speed with flaps and gear down *(VSO)*	69 kt	128 km/h

OPERATING TEMPERATURE

Minimum	-55° C	-67° F
Maximum	+50° C	-122° F

LOAD FACTOR

	Acrobatic Category	Utility Category
Maximum positive	+7.0 g	+4.5 g
Maximum negative	-3.5 g	-2.25 g
Maximum positive *(flaps extended/landing gear down)*	+2.0 g	+2.0 g
Maximum negative *(flaps extended/landing gear down)*	0 g	0 g

FACTS AND FIGURES

PERFORMANCE

TAKE-OFF AND LANDING

Take-off ground roll *(sea level)*	935 ft	285 m
Take-off distance *(50 ft/15m obstacle)*	1,510 ft	460 m
Landing ground roll *(sea level)*	1,110 ft	338 m
Landing distance *(50 ft/15m obstacle)*	2,264 ft	690 m

CLIMB

Maximum rate of climb at maximum power:

Sea level	2,675 ft/min	815 m/min
5,000 ft	2,345 ft/min	715 m/min
10,000 ft	1,900 ft/min	580 m/min
20,000 ft	945 ft/min	290 m/min

CRUISE

Maximum cruise speed:

Sea level	240 KTAS	445 km/h
10,000 ft	251 KTAS	465 km/h
20,000 ft	238 KTAS	441 km/h

SUSTAINED LOAD FACTOR

Sea level	3.2 g
10,000 ft	2.5 g
20,000 ft	1.7 g

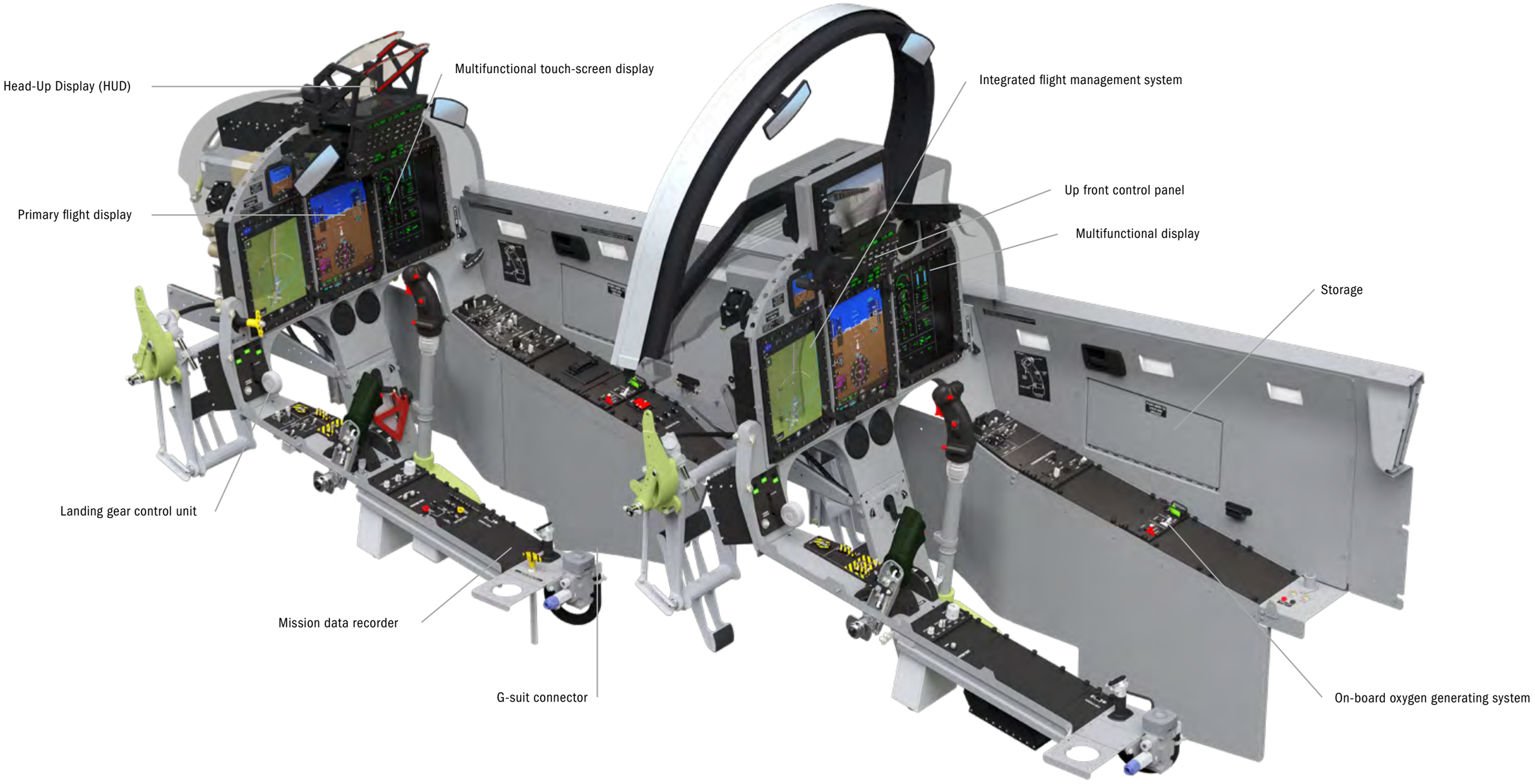
CERTIFICATION

Federal Aviation Regulation/Swiss Federal Office of Civil Aviation Part 23. The PC-7 MKX is fully civil certified by using the PC-7 MkII type certificate.

Zermatt, Switzerland | 46°2'57"N | 7°46'35"E

FACTS AND FIGURES

COCKPIT ENVIRONMENT



FACTS AND FIGURES

AIRCRAFT SYSTEMS

On-board Oxygen Generating System

Martin-Baker ejection seats

High-strength aluminum structure for durability

Bird strike resistant canopy

Hartzell four-blade aluminum propeller

Stepped tandem seating for increased instructor visibility

Robust landing gear for hard landings

Environmental Control System to keep cockpit cool or warm

Anti-g system

Capability to carry underwing fuel tanks

Most dependable Pratt & Whitney PT6A-25C engine with lower environmental impact due to single-engine concept

FACTS AND FIGURES

GROUND-BASED TRAINING

CONTACT US

FLY THE SMART BASIC TRAINING SYSTEM

PLEASE CONTACT US FOR
MORE INFORMATION.

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pilatus-aircraft.com/pc-7

Founded in 1939, Pilatus Aircraft Ltd develops and produces the world's most unique aircraft: from the legendary PC-12, the best-selling single-engine turboprop in its class, to the PC-7 MKX and PC-21 and associated simulators, the market-leading systems for pilot training. The brand-new PC-24 is the world's first ever business jet designed for use on short unprepared runways. The Pilatus team consists of over 3,000 exceptional employees who make the company, which is domiciled in Stans, one of the largest and most innovative employers in Central Switzerland. The Pilatus Group also includes independent subsidiaries in the USA, Australia, and Spain. Pilatus provides training for over 140 apprentices in various professions – job training for young people has always been a very high priority. Pilatus remains committed to Switzerland as a hub for work and new ideas, and acts in a sustainable and environmentally-conscious manner at all times.

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PILATUS

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