Ensuring mission success.
The Dornier 228 Multirole.
The perfect solution for maritime patrol and light transport operations

The Dornier 228 is the platform of choice for special mission operations taking place between low level and 10,000 ft. Military and government law enforcement organisations operate the Dornier 228 worldwide for maritime patrol (pollution control, search and rescue, border control, fishery patrol), research flights, surveillance and reconnaissance, and light transport operations (cargo, paratrooper, passenger, medevac).

The Dornier 228 success is proven by the over four million hours flown to date. Based on continuous improvements and innovations the Dornier 228 offers a high level of safety, even in its standard version, and is one of the most reliable aircraft in the world with its perfect mix of a mature design and innovative technologies.

Due to its advanced aerodynamics, the Dornier 228 is able to match or exceed the STOL performance of competing aircraft at the same payload, all while cruising up to 50 kts faster.
High endurance.
Made for long distances.
Border control operation … 30 Nm south of Turku, Finland …
200 Nm from operating base … mission endurance: 9 hours
… operational range: 1,100 Nm
Economical and effective. Mission success right down the line.
Maritime air policing operation … 2,000 ft over North Sea … 100 Nm northwest of Den Helder, the Netherlands … outstanding downward field of view … jet-like manoeuvrability … successful target identification and tracking … low fuel consumption: 1.75 kg/Nm … at max. cruise speed: 223 KIAS
Whenever, wherever and whatever. The most capable and flexible asset in its class.
Humanitarian mission ... Amazon rainforest ... low altitude ... landing on an unpaved runway ... 300 Nm southwest of Caracas, Venezuela
Safe remote area operation. Even under the harshest conditions.
Fly-in/fly-out operation … Longyearbyen, Svalbard, 79° northern latitude … poor visibility, light snow, -22°C … safety margins maintained at all times thanks to GNSS/SBAS sensors and synthetic vision systems
Best-in-class performance

The Dornier 228 is the only 3rd-generation aircraft in its class. It has been purposely designed to match the FAR23/CS23 commuter category airworthiness standard, which assigns safety margin equivalents to transport category aircraft. Its advanced design provides the Dornier 228 with unmatched performance, payload capacity, operational flexibility and efficiency.

The Dornier 228 is currently the most productive, most reliable and most up-to-date aircraft in its class. Even unmatched performances have been improved by the new 5-bladed propeller in combination with the fuel-efficient TPE331-10 engine, resulting in unique and outstanding performances at every phase throughout the flight profile.

The fixed shaft turboprop engine provides an immediate power response, and has an efficient turbine design to ensure maximum output per unit of fuel. The benefits of the Dornier 228 turboprop aircraft are its reduced vibration, low inertia and quiet propeller design. It also guarantees a quick, low-energy start, even in extreme cold weather conditions.
Integrated cockpit – increased operational capabilities

Improved mission effectiveness and enhanced situational awareness: The new ergonomically designed cockpit with its four large displays reduces the pilots’ workload from start to end of the mission. The crystal clear, sunlight readable HD displays provide the pilots with the specific information required during each phase of the mission.

Various search patterns

TAWS – A unique 3-D perspective view provides the optimum level of situation awareness.
Rectangular cross-section – optimal layout for best possible use of cabin space

Designed with the user and mission in mind, the cabin’s optimal rectangular cross-section makes the installation of equipment – even large operator consoles – a simple task. It also provides the crew with a high level of manoeuvrability and comfort inside the cabin and ensures a safe path for crew evacuation in the event of an emergency.

Cabin area designed for three-shift operation

Thanks to its cabin design, the Dornier 228 is well-suited for long missions requiring crew shifts. Its long cabin can easily accommodate multiple work stations and observer seats, with room for a rest area and space to meet the crew’s physiological needs.

Superb versatility

The cabin can be equipped with various combinations of forward and side facing seats; double stretcher as well as intensive care stations. The ambulance transport layout may be easily combined with trooper and paratrooper transport layout.

Impressive cargo capacity

Seats can be quickly removed to convert the cabin for cargo transportation; to ease loading the normal passenger door can be opened sideways, which together with the adjacent door, creates a massive opening for bulky or heavy cargo.
The Dornier 228 in customized maritime patrol configuration is the most suitable and economical solution for your mission.

The Dornier 228 ergonomics, outstanding field of view, and comfortable environment substantially reduce crew fatigue and workload, thus a high level of vigilance is maintained throughout low level operations and long missions. Our aerodynamic expertise and system integration experience will ensure a seamless integration of your choice of sensors and mission systems, and make the Dornier 228 as cost effective as it gets.
Key features are the long range, high utilization rates and high payload – and all this at impressively low operational costs. With the aircraft’s state-of-the-art technology, pilots are able to maintain superior situational awareness throughout the most demanding missions. No other plane in this category combines safety and efficiency to the level offered by the Dornier 228.

**Versatility**

The Dornier 228 is the most advanced aircraft in its class, offering unsurpassed effectiveness and efficiency with superb versatility. This is why authorities all over the world count on it when it comes to demanding special missions of various kinds.

**Reliability**

Operators can rely on the Dornier 228 at all times. The aircraft has a dispatch reliability of over 99%, a peak value that goes hand in hand with low maintenance costs. This high degree of reliability is unmatched in this aircraft class.

**Affordability**

The Dornier 228 provides mission results known only from much larger aircraft so far. With life cycle costs at a fraction of these aircraft, the Dornier 228 suits limited budgets and allows for more sorties to be flown.