



Patient Transport Unit NG

Any patient, any aircraft,
any mission

Lufthansa Technik's Patient Transport Unit Next Generation (PTU NG) offers the latest medical technology. It presents the optimum solution for transporting patients requiring intensive medical care and for medical evacuation missions (Medevac).

Improvements to our existing design are based on the in-service experience of many military and civil operators around the globe using the PTU today.

Inflight Intensive Care at highest Standards

The PTU Next Generation (NG) provides any infrastructure needed to transport an intensive care patient and the medical equipment in a large aircraft. It fulfills the most demanding NATO standards and is already integrated into various aircrafts. The PTU NG complies with the European Aviation Safety Agency (EASA) regulations for airworthiness and is a CE-certified medical device in accordance with the Medical Device Regulations (MDR) of the European Union.

Benefits

Quick and easy installation

Robust and durable design

Low maintenance needs

Compatible with most patient transport stretchers

Flexible oxygen and power configurations

EASA approved and CE-certified as Medical Device (MDR)



Lufthansa Technik



Inflight Intensive Care with outstanding reliability

The PTU NG is a product of German engineering combined with Swiss made manufacturing. Almost 30 years of experience in military and civilian use, as well as intense certification testing, guarantees for an absolute reliable and robust product, ready to fly, whenever needed. The quality and user orientation is reflected in many details such as tool less installation, or one hand operation of drawer latches.

Inflight Intensive Care adaptable to the mission

The PTU NG can be installed within minutes via seat track adapters in any aircraft. Having different adapters, the same unit can be used in a fleet of different aircraft types. The unit consists of several modules, which are assembled very quickly without special tools. The units are small and light enough to be easily handled by two people.

Depending on mission and aircraft there are several options:

- Height-adjustable equipment carrier racks can be installed either on the foot-end or in the lateral position.
- It can accommodate patients on transport stretchers (e.g. Stryker or products fulfilling the STANAG standards), incubators, patient isolation units, or our high-comfort bed.
- Medical supplies can be stowed in removable drawers or standard galley containers that can be prepacked and modularly loaded according to the mission.
- 6,500 or 13,000 liters of medical or aviation oxygen are available in removable modules. These modules can be filled and maintained independently from the unit.

Standard PTU NG specifications

Dimensions

Width	~ 2.08 m
Depth	~ 0.65 m
Height (without rack)	1.50 m ~ 0.85 m
Empty weight	< 260 kg (excl. O ₂)
max. Payload (patient, stretcher and equipment)	~ 399 kg
Oxygen capacity	up to 13,000 liters
Power input	230 V AC, 50 Hz, 115 V AC, 360 – 800 Hz or 28 V DC
Power output (optional)	230 V AC, 50 Hz, 115 V AC, 60 Hz 14 and/or 28 V DC

Certification

PTU NG already flying on A380, B747-8, C295, A330 MRTT, work in progress for A400M, A321 and A350

PTU Classic flying on A310, A319, B737, A330, A340, B747-4, C-160, C295 and Global 5000

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