

off the fence.

Mega Pit Stops

5 x 60'

EPISODIC BREAKDOWN

1. Airbus A330-300

At Lufthansa Technik Malta, 700 hidden figures keep aviation the safest way to travel. The highly trained team specializes in aircraft safety checks and overhauls. They inspect and repair fleets from airlines around the world. The ultimate Mega Pitstop! Their recent project: Kilo Romeo - An Airbus A330-300. Effort of this Pitstop: 25.000 manhours. Time is a crucial issue, as Kilo Romeo is already scheduled for the next flight. From now on the team only has 40 days to deliver a good as new aircraft.

2. AGV Sapsan Train

The Russian high-speed train Sapsan is the longest of its kind. Based on the ICE 3, this gigantic machine travels at over 250 kilometers per hour. Sapsan means "peregrine falcon" in russian. Both, the falcon and the train are true long-distance-specialists. However, after 1.2 million kilometers, each Sapsan is due for its big R3-revision. Since the Sapsan trains have only been launched in 2009, for the first time ever now a Russian high-speed train returns into the depot for the biggest overhaul in its entire life span.

3. Fighter Jet

It is one of the most popular and best fighter jets in the world: JAS 39. The so called "Gripen" is a light single-engine multirole fighter aircraft manufactured by the Swedish aerospace company Saab. At the Czech Air Force Base in Caslav, the jet gets the biggest overhaul of its lifetime! In only 40 days, the Gripen is stripped down to its bone, everything from the ejection seat to the engine is removed and checked. The 14 Gripen of the airbase are part of the "Quick Reaction Alert" Force of the NATO. If they are not in the air, the airspace is not protected. That puts a lot of time pressure and liability to the 11 mechanics, who are responsible for the aircraft.

4. Navy Vessel Absalom Class

The most modern warship in the Danish Navy - the HDMS Absalon needs a major overhaul. Every 5 years, the warship is docked, and checked to the bones. This happens in Orskov Yard in

Frederikshavn, North Denmark. The flexible support ship is 137 meters long and equipped with high-precision weapon systems: From torpedoes to machine guns to anti-missile weapons. Thanks to its smooth and angled outer skin, the Absalon reflects only a fraction of radar radiation, making her extremely difficult to detect. The tracking systems of the warship itself, on the other hand, are highly sensitive. Space for two helicopters, two separate engines, bulletproof steel and the most sophisticated technology – all of this is due to be inspected.

5. Ship Extension

It is an almost impossible endeavour: The Peter Pan, a gigantic car ferry shall become - even bigger. It is lengthened from 190 to a mighty 220 metres! How do the engineers do that? They cut the ferry into two parts and insert a 30-meter-long section in the middle, which is prefabricated in another shipyard, 200 kilometers away. All this – in just 58 days.