

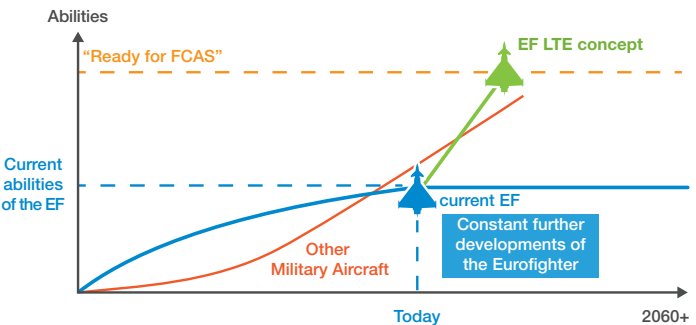
## What does Eurofighter LTE / TR5 / PxE mean?

- Defence policy challenges & requirements grow within the geopolitical context.
- With the support of the Long Term Evolution (LTE) technology upgrade, the Eurofighter will meet the challenges and missions of the future.
- As a European product, Europe retains sovereignty in the area of data sovereignty, further development and use of the aircraft.
- In order to maintain operational effectiveness & enforceability until 2060+, it is necessary for the Eurofighter to take on new roles in the field of electronic spectrum.

### Long Term Evolution (LTE)

The infrastructure of the Eurofighter will be renewed by:

- Create the **potential for new capabilities** (retrofit & new A/C).
- Make **changes easier and significantly faster** (similar to an app concept on a smart phone).
- **Simplify the procurement** of spare parts and **reduce life cycle costs**.
- The opportunity to **test and graduate FCAS technologies**.
- Enable the connection to a data cloud and become part of the **“System of Systems”** concept (e.g. together with Remote Carrier, Eurodrone and other EW/SIGINT systems).



### Phase X Enhancement (PxE)

- P5E / P6E are combat value upgrades which provide new Eurofighter capabilities based on LTE.

### Tranche 5 (TR5)

- Tranche 5 describes a new construction package of the Eurofighter.



## LTE – What's new?

To ensure that the Eurofighter does not reach capacity limits, a Mid Life Infrastructure upgrade is required. This is only possible with LTE.

### Introduction of a Command & Control Cockpit

- Large Area Display for improved position detection
- Mission assistance systems with growth potential for FCAS

### Enhanced Connectivity

- Standardised, robust, fault-resistant, encrypted
- Integration of new data links (satellite communication and tactical networks)

### New Avionics Architecture

- Separation of safety critical & mission relevant systems for faster approval
- Multi-core processors with higher computing power
- High speed data buses for faster data exchange

### Operational flexibility

- Modification of aerodynamic surfaces (Aerodynamic Modification Kit - AMK) for more flexible use of weapons as well as lower restrictions for flight manoeuvres/mission profiles