

## General information

*Company name*            *TechSAT GmbH (Nexeya group)*  
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Area of interest	Choose Y or N
○ Functional encryption and reduction of leakage (e.g., anonymization or obfuscation)	Y
○ Ultra-lightweight cryptology and ultra-high-speed cryptographic algorithms including quantum cryptography	Y
○ Physical cryptanalysis, including tampering, side channel, faults injection attacks, and security of tools for good software implementation and validation practices	Y
○ Authenticated encrypted token research for mobile payment solution	Y
○ Innovative cryptographic primitives and complementary non-cryptographic privacy-preserving mechanisms to enforce privacy	Y
○ New techniques, such as quantum safe cryptography, which are secure from quantum computers	N
○ Quantum key distribution	N
○ Automated proof techniques for cryptographic protocols	Y

## Competencies

- *Organisation competencies*
  - **Software (embedded) development**
  - **Embedded Linux development**
  - **Hardware development**
  - **GARDT® technology for secure data loaders validated by Airbus**
- *Organisation experience in the European project*
  - **Sub-partner of CleanSky-2**
  - **Partner of STEVE LuFo (Virtual Hybrid Testing Next Generation)**
- *The skills you can bring*
  - **Architecture of secure systems**
  - **Embedded software/Linux development**