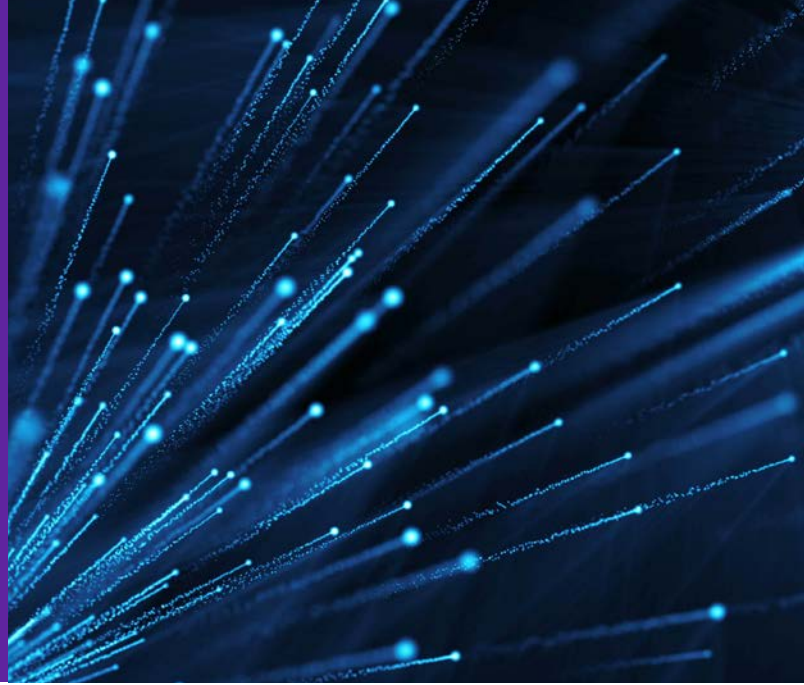


Safety RTOS (QNX Neutrino)

Case study



Client:

Development, integration and maintenance of QNX Neutrino 7.0

Locations

- **Germany**
- **Romania (Bucharest)**

Engagement model

- **Fixed price**
- **Customer process**

Timeline

2017–2020

Technologies and tools:

- ASIL
- Airwatch
- Bitbucket
- SQL
- Jenkins
- Crucible
- Scrum

Project scope



Support ASIL rated OSAL to support object detection on applications A53 SoC



Implementation of ASIL rated BSP



Support for implementation and integration of FSBL and BM

Team expertise



1 Project lead and lead developer



2 senior C developers (BSP)



2 senior C++ developers (API)



3-4 testers

Optimized application

System/OEM specific adaptive services

Commercial AR-AP stack

Commercial OS

SoC drivers

Product BSP, bootloader, hypervisor

Target SoC/product PCB

Customer story

Technologies and tools

Code

- PTC (working/merging)
- Peer code reviews with Bitbucket/Crucible

Continuous integration

- Jenkins internally
- Airwatch to sync with customer

PTC/integrity

- Meeting minutes
- Technical documentation
- Organization, project planning

Architecture/requirements

- Enterprise architect SQL/PTC plugin integration)

V-Model process (customer's process house)

- Task description, status, required resources linked/attached
- Kanban board for daily scrum

About Luxoft

Luxoft is the design, data and development arm of DXC Technology, providing bespoke, end-to-end technology solutions for mission-critical systems, products and services. We help create data-fueled organizations, solving complex operational, technological and strategic challenges. Our passion is building resilient businesses, while generating new business channels and revenue streams, exceptional user experiences and modernized operations at scale.

luxoft.com

