

# LICRIT

SAFETY-CRITICAL ELECTRONICS



**Company profile**

21. 10. 2022

[www.licrit.com](http://www.licrit.com)



# What do we provide



## **Engineering and Consulting services** *including:*

- *development of safety-critical electronic systems,*
- *implementation of company processes compliant with industry standards,*
- *certification liaison process, and*
- *provision of specialized trainings and consultations.*



*Our aim is to provide transparent and complex services to our customers, with strong focus on cost-effective reaching of their goals, professional quality and full liability towards safety and legal requirements.*

**Complex  
Development**

**Quality  
Assurance**

**Training &  
Consulting**

**Technical  
Specifications**

**Analysis &  
Testing**

**LICRIT**

# Why us



## **Experience & Enthusiasm**

*We know how internal or custom development, project management, quality assurance, certification, and production transition can be carried out effectively and in line with industry regulations and standards.*



## **More than T&M Services**

*We can also support your needs in form of a delivery of a work where we can handle more complex and coherent tasks like:*

- *complete custom development,*
- *requirements capture and technical specifications definition,*
- *verification and validation, including testing,*
- *safety analysis, and*
- *we can even manage serial production of our electronics devices in cooperation with our local partners.*



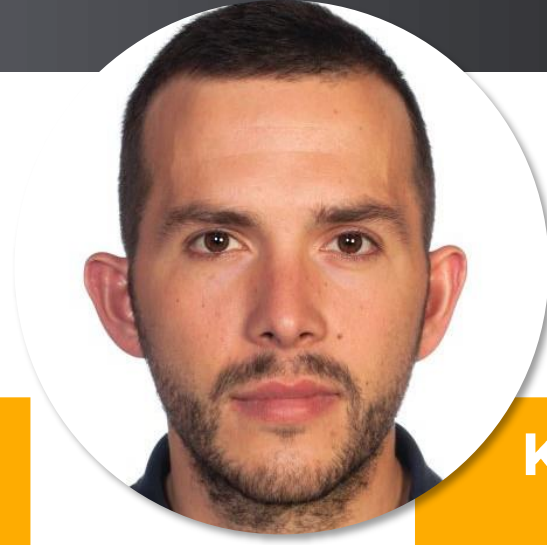
# Who stands behind LICRIT



**Lukáš Mačišák**  
*Founder  
CEO*

**Management, quality & compliance assurance, system safety**

- *>10 years of experiences in avionics projects of all criticality levels,*
- *Having roles such as project manager, certification engineer, functional safety manager, quality assurance*



**Karel Szurman PhD.**  
*Co-Owner  
Head of Software*

**SW development, quality & compliance assurance, V&V, FPGA**

- *>10 years of experiences in avionics and space software projects of all criticality levels*
- *Having roles such as SW project manager, SW certification engineer, SW developer or verifier, quality assurance*



**František Zouhar**  
*Co-Owner  
Head of System & Safety*

**Management, system design & safety, HW development, MBD**

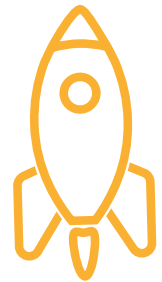
- *>10 years of experiences in avionics and ATMs projects,*
- *Having roles such as project or product manager, system engineer, safety engineer*

*\* Detailed CVs are available upon request*

**LICRIT**



# Where we are currently involved



## **Ethernet solution for a fault-tolerant system**

- *Space product: ECSS & DO-178C level A compliant*
- *SW technical lead, Planning, SW development*



## **New generation of an Auxiliary Power Unit**

- *Aviation product: EASA CS-APU compliant*
- *Project management, Compliance verification*



## **Electronic Control Unit for an APU**

- *Aviation product: EASA level B compliant*
- *Project management, Planning, System & Safety, Verification*

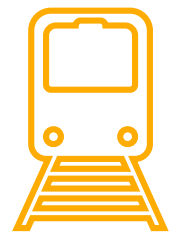


# Where we are currently involved



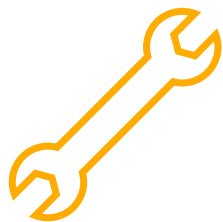
## **Traffic light controller**

- *Functional-safety product: EN 61508 SIL3 compliant*
- *Functional safety management, Planning, System & Safety*



## **Door control unit**

- *Railway product: EN 50126 & EN 50129 SIL2 compliant*
- *Consultations in functional safety*



## **ALM tools marketing & demo support**

- *Implementation of DO-178C and DO-254 templates in an ALM tool*
- *Marketing & demo activities: webinars, blogposts, etc.*



# Main regulations & standards that we work with



## Aviation

- *DO-178C*
- *ARP 4754*
- *AMC-20*



## Space

- *ECSS-E-ST-40C*
- *ECSS-Q-ST-80C*
- *NASA NPR 7150.2D*



## Functional Safety

- *EN 61508*
- *EN 50126*
- *EN 50129*



## Quality

- *AS 9100*
- *PART 21*
- *AQAP 2110*



## Defense

- *MIL-STD-498*
- *MIL-STD-217*
- *MIL-STD-882*



# Looking forward to Hearing from You

## LICRIT s.r.o.



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