

SYSGO is the leading European provider of real-time operating systems for critical embedded and IoT applications. Our customers are leading players in the Aerospace, Railway, Automotive, Medical and Industrial Automation industries, who use our PikeOS product as a platform for critical systems that need to be certified against Safety and Security standards.

### **SYSGO University Program**

- ➔ Increase awareness about PikeOS
- ➔ Increase amount of people having hands-on expertise with PikeOS
- ➔ Enable and maintain applications for PhD, master and bachelor theses
- ➔ Enable and maintain technology-oriented work with universities and researchers

### **Academic Propositions**

- ➔ Introductory guest lectures
- ➔ PikeOS labs at universities
- ➔ Academic PikeOS license
- ➔ One-to-one Q&A sessions for students or researchers

### **R&T Positions at SYSGO**

- ➔ Research Engineer
- ➔ Research Project Manager

### **Research Areas**

include (and are not limited to):



#### **Operating Systems**

Virtualization, synchronization, proof of concepts, ...



#### **Artificial Intelligence**

Anomaly detection, IDS, AI integration, AI certification



#### **Safety / Security Verification and Certification**



#### **Power Management**

in Safety Systems



#### **Networking**

Timing protocols, TSN-based traffic shaping, ...



#### **Computational Platforms**

Avionics & Space, Automotive, Rail, Medical, Manufacturing and Energy

**We are looking for funded projects, e.g. from Horizon Europe or national ones.  
Get in contact!**