



R-SYS, s.r.o – COMPANY PROFILE

HISTORY AND OWNERSHIP



Founded in 1997

The **R-SYS s.r.o.** (Limited Company) was **founded in 1997** by group of experts engaged in the field of Command & Control systems and radar technology. In September 2007 the General Assembly of the Company took a decision to change the company branding, corporate structure and business strategy to follow new trends and flexibly respond to market requirements by deliveries of competitive software & hardware solutions, and system integration services.



ERA a.s. subsidiary since 2016

Over the following years the Company became an important business partner of **ERA a.s.** Pardubice, Czech Republic (ERA) through deliveries of its own technologies and software products. For the sake of the growth opportunities, this collaboration finally led to an acquisition of the Company by ERA in 2016.

Since the acquisition, the Company acts as a regular subsidiary of the ERA parent. By entering this strategic alliance, the Company refocused its business primarily on a development of SW solutions for a support of ERA product portfolio, and on other in-house innovations for the customers world-wide.



Today

At present, the Company represents a middle-sized project & product-oriented IT company with **4 offices** spread over the Slovak territory (Head Office in Trenčín, and other offices in Liptovský Mikuláš, Košice and Zvolen) employing **42 highly skilled IT specialists**.

Distributed team model helping to drive productivity has been adopted by the Company since its foundation. The annual turnover of the Company is about **2 million EUR** whereby **80-90% of the turnover is provided by foreign trade**.





IT SERVICES

The Company is engaged in a **development of innovative software solutions** aimed at mission-critical applications and real-time systems of dual use. Our production covers a broad spectrum of SW solutions that can be delivered as 'on-premise' solutions together with the installation of a related infrastructure up to **cloud-based solutions**. Our solutions include not only web applications, applications for mobile devices, native applications designed for fast and reliable data presentation but also systems for signal processing and map data preparation, and services.

PRODUCT PORTFOLIO

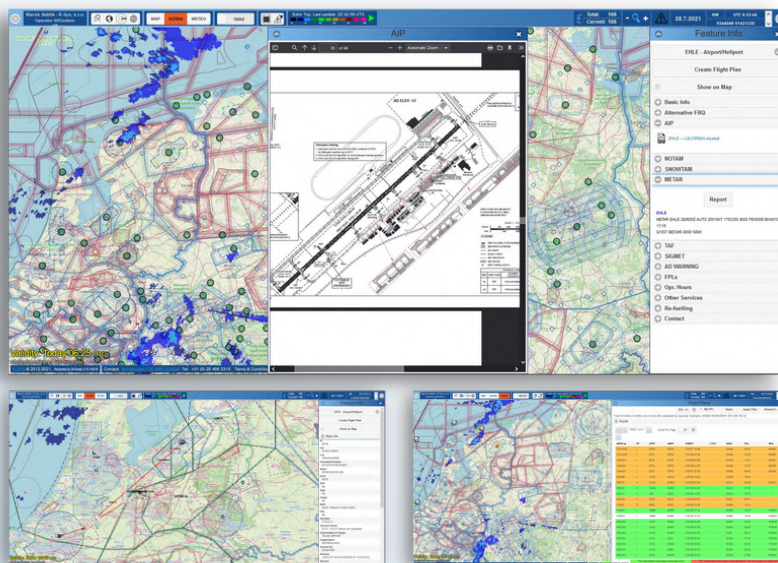
A lot of our effort is spent on a development of software products for our parent company, the ERA a.s. including but not limited to a delivery of applications for processing of passive sensor data in real time and their visualization, determination of measurement accuracy of data provided by surveillance sensors and planning of sensors deployment, simulation of passive sensor operation, as well as applications for operators of ATC/ATM systems.



IXO ATM

We are also engaged in a development of **web-based applications designed for GAT/CAT pre-flight planning** and flight management carried out by ANSP operators. This product, now marketed under IXO ATM brand name is currently operated by five (5) European ANSPs in **Slovakia** (LPS SR š.p.), **Hungary** (HungaroControl), **Poland** (PANSO), **the Netherlands** (LVNL) and **Albania** (Albcontrol).

IXO is delivered to these customers under local brand names, namely AISweb, Integrated WebBriefing (IWB), NetBriefing, HomeBriefing. For more details see Past Performance section below.

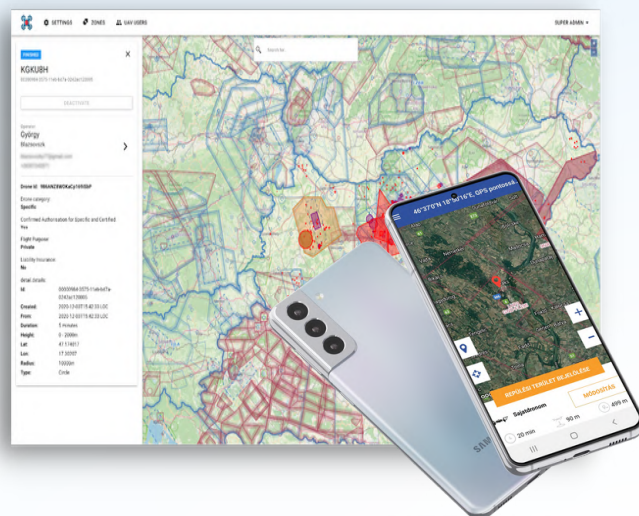




IXO UTM

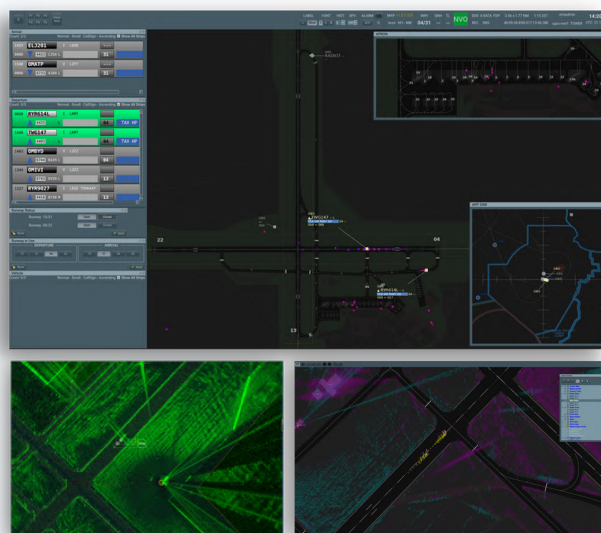
Our latest product, the IXO UTM represents an augmentation of IXO ATM as it is designed for a **management of unmanned aircraft operations**. It provides a powerful and multi-platform solution for UAS operators and service providers integrating information on manned and unmanned aircraft operations while providing real-time aeronautical information for all airspace users.

IXO UTM was developed on an initiative of HungaroControl (Hungarian ANSP) and put into its full operation as from January 2020. **IXO UTM complies to the latest regulations** to UAS flight planning, airspace conflict calculation, UAS flight validation/clearance processing, unmanned aircraft management, and aeronautical data provision in compliance with ICAO, EASA and EUROCONTROL standards. Since 2017 the R-SYS s.r.o. is a full member of Global UTM Association.



3R SYSTEM

Special-purpose product designed for, and delivered to several customers they use mission-critical systems running around the clock, is our 3R System serving for a **recording and long-term storage of data** captured at audio/video/UDP data comm channels, and supplemented by a capability of time synchronized playback of data records for a purpose of investigating unusual events that may occur when performing tasks essential to business operations or to an organization. Project performed in close cooperation with Slovak ANSP, SAF dept.



In period of 2016 – 2018 the Company was involved in several **SESAR** Joint Undertaking projects as a linked third party of Slovak ANSP (LPS SR š.p.) and B4 Consortium under Public Private Partnership agreement. The scope of work within the projects referred to Airport Safety Nets, Total Airport Management, Remote Tower operations and Flight Information Services capabilities/ tools. Our contribution encompassed a development of validation platform for testing their operational performance in low traffic density areas and airports within General Aviation environment.



Our production is certified to the quality management system of **EN ISO 9001:2015** and environmental management system of **EN ISO 14001:2015** since 2013. For developing and maintaining software systems we use a unified methodology covering all standard SW development processes in compliance with **ISO/IEC 12207**, and apply SW safety assurance standard **ED-109A/level AL5** for software deployment in accordance with **ED-153 SWAL Level 4**.





PAST 5-YEAR PERFORMANCE

The Company is engaged in a development of innovative software solutions aimed at mission-critical applications and real-time systems of dual use. Our production covers a broad spectrum of SW solutions that can be delivered as 'on-premise' solutions together with the installation of a related infrastructure up to 'SaaS-based cloud' solutions. Our solutions include not only web applications, applications for mobile devices, native applications designed for fast and reliable data presentation but also systems for signal processing and map data preparation, and services.



Delivery, maintenance and operational supervision of systems for planning and management of manned aircraft flights for the following ANSPs:

- LPS SR š.p., Slovakia
- HungaroControl, Pte. Ltd. Co., Hungary
- PANSO, Poland
- Albcontrol sh.a., Albania
- LVNL, Air Traffic Control the Netherlands



Delivery, maintenance and operational supervision of the system for planning and management of unmanned aircraft (UAV) flights for:

- HungaroControl, Pte. Ltd. Co., Hungary



Delivery, certification and maintenance of the system for recording of operational data captured at operator and investigator working positions for:

- LPS SR š.p., Slovakia



Delivery of the system for a recording and playback of audio/video/UDP data to be integrated to military applications for:

- Military Technical Institute (VTÚ), Czech Republic



Supplies under subcontracts for deliveries of air traffic control/management systems for:

- Sulaymaniyah Governorate
- Nigeria



Participation in SESAR projects:

- PJ03b Enhanced Airport Safety Nets for controllers
- PJ14-Development of new FIS-B service
- PJ04 Advanced Airport Surface Movement Recording System



Joint project with LPS SR š.p. (Slovak ANSP) for a development of alternate solution of the system for a detection and tracking of moving objects on airport movement areas (A-SMGCS)

