

#### **E-LETTER FOR PARTNERS OF ERA COMPANY**

FEBRUARY 2017



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## EMPLOYEES HAVE MOVED TO BRAND NEW HQ BUILDING

ERA opened its new R&D centre, a modern four-storey building which currently houses as many as 130 people, at the beginning of January after 18 months of construction.



The number of ERA employees has increased intensively to its current 360 over the last three years and R&D activities have been emphasized which have driven the need for additional development and administrative space. The new headquarters recently opened in the city of Pardubice not only solved this problem but have become the truly crown jewel out of the ERA premises. The building is full of the newest technologies: it literally regulates heating, lighting, air condi-

tioning and security systems itself. The sophisticated materials used for the construction were imported from all over the world. It is therefore no surprise that the building aspires to receive an award in architectural competitions. "We modernized our facilities. This new R&D building will substantially improve our ability to deliver ERA enhanced products with better quality over shorter time frames to our customers", stated Viktor Sotona, ERA Managing Director.

# ERA HAS PASSED A FACTORY ACCEPTANCE TESTS FOR THE MLAT SYSTEM IN MONGOLIA



n January ERA has successfully passed Factory Acceptance Tests for the MLAT surface system to be used at NUBIA international airport in Ulaanbaatar.

ERA in consortium with ACH Holding LLC, a well-known Mongolian company, will supply and install a multilateration system for a brand new international airport in Ulaanbaatar as part of the NUBIA Construction Project led by Mitsubishi-Chiyoda Joint Venture (MCJV). A high quality and reliability of ERA's NEO multi-sensor surveillance system has been verified and confirmed during the Factory Acceptance Tests.

The herein mentioned multilateration surface system is intended for surface surveillance of the aircraft as well as vehicles, equipped by an ERA ADS-B beacon SQUID, to provide safety and operational enhancement of ground surveillance. > PAGE 2

#### **ERA ATTENDED THE NATO DAYS AIR SHOW**

RA along with its parent company OMNIPOL have become the main partner for the largest security show in Europe - NATO Days & Czech Air Force Days. The event was held at Leos Janacek Airport in Ostrava on 17 – 18 September 2016.

Important defence and security companies such as Saab, Aero Vodochody, LOM Praha, Bell Helicopter, etc. also took part in the event



and demonstrated their products delivered to the Czech Armed Forces and other security bodies.

ERA presented its military surveillance and reconnaissance system - Passive ESM Tracker VERA-NG. There was also a live demo of the Ostrava Airport multilateration system. The results of the aircraft surveillance were displayed on screen at the ERA stand. > PAGE 5

## ERA HAS SIGNED A CONTRACT TO COVER THE TMA OF NAJAF AIRPORT, IRAQ

ERA announced having been awarded a contract to deliver a composite multilateration and ADS-B system for surveillance of aircraft approaching Najaf International Airport, covering the lower flight level to an extension of 50 NM.





ERA MANAGING DIRECTOR (IN THE MIDDLE) AND IRAQ AIRPORT OFFICIALS SIGNED THE CONTRACT IN THE ERA BRANCH OFFICE IN PRAGUE.

RA will supply five MLAT stations with ADS-B functionality as a modern solution for Najaf Tower Control Centre. The contract was signed by the Najaf Airport Authority in Prague in September as a result of a tendering process which ERA successfully won.

One of the priorities of Najaf Airport has been to cover their Terminal Approach Area. The installation of a new system by ERA should serve to improve the low flight level coverage at Najaf Airport and provide a supplement for data obtained up until now from the FIR (Flight Information Region) radar located in Baghdad.

ERA as the primary contractor will deliver its NEO by ERA multi sensor surveillance system – the 4<sup>th</sup> generation of the certified mature system MSS, a composite solution of

multilateration and ADS-B. This multi-solution system (MLAT, WAM, ADS-B, PRM, HMU) has a robust system design, enhanced signal detection, reduced power consumption and is international standards compliant (ED-117A, ED 142, ED 129, ICAO Annex10 volume IV, etc.). ERA will also supply its new ATM system ERIS.

The team of ERA experts carried out a site survey and chose appropriate locations for the stations during the autumn. The final completion, followed by the Site Acceptance Tests, is planned for the autumn of 2017.

#### **ABOUT THE CITY OF NAJAF**

Najaf, reputedly founded in 791 A.D., is a city in central Iraq south of the capital Baghdad. Its estimated population in 2013 was 1 million people. Najaf is considered sacred by Muslims as the site of the tomb of Imama (Alī bin Abī Tālib). The city is now a pilgrimage site for people from throughout the Islamic world.

As the one of burial site of Islam's most important figure, the Imam Ali Mosque is viewed as one of the most holiest Islamic site in the world.

### ERA HAS PASSED FACTORY ACCEPTANCE TESTS FOR THE MLAT SYSTEM AT THE NEW ULAANBAATAR AIRPORT

#### **CONTINUED FROM PAGE 1:**

The system will by operated by the end user - Mongolian Civil Aviation Authority (MCAA), at the New Ulaanbaatar International Airport.

The proposed multilateration system based on NEO by ERA represents a modern, flexible and certified ATM surveillance system that can be easily further extended, once the second RWY is finalized. Generally, the multilateration system can be easily accommodated to any surveillance requirement, while maintaining low maintenance costs.

"Our joint delivery of the multilateration system for NUBIA together in consortium with ACH Holding LLC is another important



reference for ERA, demonstrating our leading position in the ATM domain focused on surveillance," stated Viktor Sotona, ERA Managing Director. He added: "In addition

to another significant reference in Asia, we are pleased to participate in this interesting construction project led by a Japanese Joint Venture, where the quality of the products play a significant role in the project execution."

#### ON NUBIA AIRPORT

The largest international air facility in Mongolia has been Chinggis Khaan International Airport, serving Ulaanbaatar, situated 18 km southwest of the capital. The new airport is located in Khoshigt Valleyn, 52 kilometres south of the city centre. The ERA system is planned for this larger airport currently under construction.



# ERA HAS PASSED FACTORY ACCEPTANCE TESTS FOR THE ADS-B SYSTEM IN SRI LANKA

In August 2016 ERA has successfully passed Factory Acceptance Tests for the ADS-B System to be used by Airport & Aviation Services [Sri Lanka] Limited.



RA is delivering a system comprising five redundant ADS-B stations as well as ADS-B data fusion and a data display system. The contract was assigned by the local ANSP in January as a result of a tendering process, which ERA successfully won in the end of 2015.

"The selection of ERA is the result of the worldwide competitive tendering process where ERA has been selected as the successful bidder after an intensive technical and administration evaluation. Our experience in the deployment of surveillance solutions in other states of South-East Asia such as India, Indonesia, Malaysia and Singapore was also one of the key factors in selecting us for this project", stated Viktor Sotona, ERA Managing Director.

A one week of testing at ERA factory has been scheduled together with factory training for AASL Technical staff to fully familiarize with given ADS-B system. Apart from redundant ADS-B ground stations, testing procedures have been focused on ADS-B data fusion and data display system based on ERA's ERIS product family.

A high quality and reliability of ERA products (namely NEO by ERA and ERIS)

has been verified and confirmed during the Factory Acceptance Tests, which has been successfully passed.

#### ON ADS-B AND NEO BY ERA

ADS-B represents dependent information on data from the aircraft's navigation system, ADS-B equipped aircraft broadcast their GNSS positions once per second. The information received by the ADS-B ground station includes the aircraft's identification, altitude, speed, velocity, etc.

NEO by ERA - 4<sup>th</sup> generation of certified mature Multi-sensor Surveillance system MSS. This multi-solution system (MLAT, WAM, ADS-B, PRM, HMU) has a robust system design, enhanced signal detection, reduced power consumption and is compliant with international standards (ED-117, ED-142, ED-129, ICAO Annex10 volume IV, etc.)

"Our experience in the deployment of surveillance solutions in other states of South-East Asia was one of the key factors in selecting us for this project,"

Viktor Sotona

#### ON THE MST COMPONENT - PART OF ERIS BY ERA

The MST (Multi-Sensor Tracking) is up-todate data fusion developed for reception and processing of surveillance data received from individual sensors, its fusion and the creation of a real-time, unique air situation picture.

#### **ABOUT SRI LANKA**

Sri Lanka, officially the Democratic Socialist Republic of Sri Lanka and known from the beginning of British colonial rule until 1972 as Ceylon, is an island country in southern Asia near south-east India. Sri Lanka has maritime borders with India to the northwest and the Maldives to the southwest.

## ERA HAS SUPPLIED 150 SQUIDS TO BUCHAREST AIRPORT



The Bucharest Henri Coanda International Airport, Romania, has announced the delivery of 150 vehicle-mounted SQUID transmitters by ERA Company to be used as its surface vehicle tracking system.

"We are very pleased with the performance of the SQUIDS vehicle tracking units by ERA already in use at Bucharest Henri Coanda International Airport. It meets all the international standards as well as the custom requirements created by the client to customize the system to specific needs," stated Ramona Preoteasa, the Director of the Acquisition Department.

The newly deployed system improves the situational awareness of the ground operations and the efficiency of the runways, the apron, taxiways and parking gates. The ERA-designed SQUID self-contained vehicle tracking unit ensures airport safety by continuously broadcasting the exact position of all vehicles, for instance tugs, de-icing equipment, and fire and rescue vehicles. Each vehicle is clearly and uniquely identified so the control tower obtains a much better overview of the movement of the ground vehicles on the airport surfaces. SQUID also fully supports the concept of area management in order to limit non-essential transmissions.

Bucharest Henri Coandă International Airport, is Romania's busiest airport. It is located in Otopeni, 16.5 km north of Bucharest's city centre. It is currently one of the two airports serving the capital, with the other being Aurel Vlaicu Airport. In 2012 all Bucharest air traffic except for business was transferred to Henri Coanda Airport, which resulted in a 41 % increase in passengers to nine million in 2015. The airport is named after the Romanian flight pioneer and aeronautical engineer Henri Coandă, the builder of Coandă-1910 aircraft and the person who discovered the Coandă effect of fluidics.



# ERA'S SUBSIDIARY R-SYS HAS WON A TENDER AND WILL DELIVER THE NET BRIEFING SYSTEM TO HUNGAROCONTROL



RA is proud to announce that its subsidiary R-SYS Ltd. based in Slovakia (part of ERA's software development portfolio), has won a tender for development, delivery, installation and implementation of the Net Briefing System for Hungarian Air Navigation Services HungaroControl.

The Net Briefing System will provide web based flight planning and pilot briefing services including NOTAM and meteorological services with additional services for general aviation pilots. The system will support visual chart features based on geographical data, aeronautical information management



and services for general aviation with an emphasis on support for drone operations and management. Installation will begin this December with a transition into service at the end of March 2017.

The Net Briefing is an AIM tool based on a service oriented architecture, its development focuses on the latest ANSP data visualization requirements. Net Briefing follows SWIM principles — quality information delivered to the right people at the right time. The aviation operations become increasingly more data—driven and therefore more dependent on accurate and timely aeronautical information exchange. To cope with this fact aeronautical information in the Net Briefing system is available in a digital form and is visualized via graphic oriented interface to the users.

## R-SYS LTD. HAS JOINED SESAR JOINT UNDERTAKING ACTIVITIES

ERA is proud to announce that its subsidiary, the Slovak company R-SYS, (part of ERA's software development portfolio), has become a member of SESAR (Single European ATM Research) family. The membership was honoured, based on R-SYS long-term experience in producing air traffic management (ATM) systems.

The R-SYS company will work as a linked third party under a Public Private Partnership agreement for the Slovak Air National Service Provider, the company LPS and B4 Consortium in several SESAR Joint Undertaking (JU) projects. The core of R-SYS activities will be projects focused on airport safety nets, total airport management, remote tower operations and flight information services for low traffic density areas and airports and the General Aviation environment. R-SYS

contribution is aimed at operational assets, first hand expertise and tests as well as validation assets for common activities.

SESAR is a collaborative project for complete overhaul of European airspace and its air traffic management. SESAR JU is the European public-private partnership managing common and effective development of high-performance ATM infrastructure supporting the safe and environmentally friendly improvement of air transport.



R-SYS Ltd. is a middle-sized private company engaged in the development and production of innovative IT solutions for the aerospace, defence and security industry. The R-SYS product line consists of SW solutions in various domains such as ATM, Surveillance Data Processing, Aeronautical Information Management, Command and Control (C2/C3I), Geographical Information Systems (GIS) or Digital Audio, Video & Data Recording Systems.



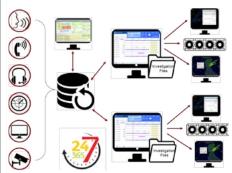
## RECORD&REPLAY&INVESTIGATOR – THE NON-STOP FUNCTIONING SYSTEM FOR ATM

**3**R (Record&Replay&InvestigatoR) is a modern tool increasing efficiency during the event investigations intended for safety enhancement, it has been tailored for Safety Department of ANSP. 3R is modular, multisource, multi-channel and nonstop recording system intended as a stand-alone system to any Air Traffic Management System or its part.

The system has been developed by R-SYS with a close cooperation with a Safety Department of Slovak Air Navigation Service Provider LPS s.p. and SkySoft-ATM. A maximum attention has been paid to the replay and investigation capabilities to provide user-friendly synchronous replay of all (or particular) sources. As a result of such effort, a unique subsystem of Technical and Investigation Client (TIC) has been made to simplify investigation of particular event for which an Investigation File is created, that can be easily shared across dedicated investigation team.

"3R is a complex system that provides us with synchronous communication and radar data recordings playback. System also allows our investigators active work with (raw) radar data records such as tracks vertical profile display, distance measuring tool and many others. Finally we can export data recordings





(together with other meta-data) into various formats or into self-extracted format. In short, it is comprehensive tool for our investigators with smart and user friendly HMI," stated Vladimir Zaborsky, Chief of Safety Department of LPS s.p.

In October 2016 a successful FAT of the system has been performed and installation

of the last version is in progress. System has been delivered in earlier versions for PANSA (Poland), MoD of Slovak Republic and Pakistan with different levels of recorded data integration according to customer requirements. 3R System running in continuous 24/7 operation is in compliance with ICAO Annex 10, 11 and Doc 4444.

#### **KEY FEATURES:**

- 3R inputs (Time synchronised Analogue and Digital voice channels, Data streams, Video channels and Screen record)
- Full redundancy
- · Stand-alone system to existing ATM system
- Linux-based software
- · Central on-line storage
- Advance user profile management and user activities log system

#### **KEY BENEFITS:**

- User friendly investigation module intended for easy selection of replayed sequences
- Sharing of the Investigation folder across investigation team
- Based on COTS HW components
- Easy export of given sequence
- Independent Data Display of surveillance data inputs (in ASTERIX Categories)

#### **ERA ATTENDED THE NATO DAYS AIR SHOW**

#### **CONTINUED FROM PAGE 1:**

The main programme consisted of a presentation of heavy military hardware, police and rescue equipment, dynamic displays of Special Forces' training, flying displays and presentations of the armaments, equipment and gear of individual units. To name merely a few: Eurofighter Typhoon, Jas 39 – Gripen,



L-39, F-16 Zeus, The Tigers Parachute Team, the Czech Police and Jordanian Female Unit rescuing of a hijacked plane, Aerobatic Group Frecce Tricolori, MiG-21, Bo-105, Titus and Tatra and many more.

Regular distinguished guests include representatives of the Czech government, NATO and the European Union, representatives of



regions, municipalities, ambassadors, military attachés - from the Czech Republic and from foreign countries, especially from Europe and the USA. The special national partner for this year became Germany. Among the VIP guests present were the Czech Prime Minister Bohuslav Sobotka, the first lady Ivana Zemanová, the Minister of Defence of the Czech Republic Martin Stropnický and the head of the Chamber of Deputies of Parliament Jan Hamáček.

NATO Days is the only event that brings together the technology used by soldiers, fire fighters, policemen, customs officers, the prison service, the municipal police and others in one location. Its key challenge is to present a wide spectrum of resources along with the capabilities of the Czech Republic and its allies in the field of security provision to the general public. It is also the most visited two-day family event in the Czech Republic.

# GENERAL JOSEF BEČVÁŘ, CHIEF OF THE GENERAL STAFF OF THE CZECH ARMED FORCES, VISITED ERA HEADQUARTERS

A delegation of Czech Armed Forces officials visited the ERA premises in Pardubice in August 2016. They met ERA managers to explore possibilities of expanding long-term cooperation with ERA.



eneral Josef Bečvář, Chief of the General Staff, his adjutant Major Karel Strejc and Colonel Vladimír Lang, Electronic Warfare specialist, travelled to Pardubice to meet ERA managers and explore possibilities of expanding long-term cooperation with ERA – a remarkable defence and security technology producer.

The Chief of the General Staff and his entourage were welcomed by the ERA

Managing Director Viktor Sotona and Commercial Director Ondřej Chlost at the Pardubice headquarters. The program began with a short introduction to ERA Company and those of its products suitable for defence purposes. Mention was made of ERA's latest achievements such as the NATO contract. There was also a guided tour of the ERA premises and a brief discussion of schooling, training, research & development and other

forms of collaboration between ERA and Czech Army experts.

"The cooperation of our company with the Czech Armed Forces, which have been using our surveillance system for decades, is the best reference for our potential customers and we highly appreciate it," stated Viktor Sotona, ERA Managing Director.

Josef Bečvář and other guests displayed a serious interest in the capabilities of VERA-NG such as identifying targets, low energy consumption and possible performance under harsh climate conditions. As part of the guided "sightseeing" tour around the facilities, the guests observed the actual process of assembling VERA -NG antennas before shipping them to ERA's most recent customers.

"We view ERA as reliable long-term partner for the Czech Army. Passive surveillance system VERA is one of the key parts of the national air defence," stated Josef Bečvář.

General Josef Bečvář (born 11 August 1958) is a Czech army officer. He graduated from the Military Academy in Brno including postgraduate study in command-staff, his specialty being rocket troops and artillery. He is the current Chief of the General Staff of the Armed Forces of the Czech Republic. Bečvář holds the position as of May 2015 when he succeed Petr Pavel.

#### **ERA TOOK PART IN THE EURASIA 2016 CONFERENCE**

Two sales managers from ERA Company were invited to the EURASIA conference held in the Armenian capital of Yerevan in June.

ERA has traditionally participated as a permanent observer at this gathering of the coordinating council and group of aero navigation experts (including the directors of the national Air Navigation Services Providers) from eight former Soviet Republics: Armenia as the host country, Russia, Belarus, Kazakh-



stan, Kyrgyzstan, Tajikistan, Uzbekistan and Tajikistan.

ERA is a well-known supplier of MLAT technologies in the post-soviet region with its systems employed in Russia, Tajikistan, Azerbaijan, Armenia (EURASIA members) as well as in Moldova, Estonia and Latvia. These references are crucial for other potential customers who are considering the acquisition of modern surveillance systems to guide their airports and/or the entire air space.



# ERA HOSTED EUROCAE WORKING GROUP TO SET NEW ATM STANDARDS





RA, a fast growing company, has been building its new modern headquarters and expanding its branch offices in Brno and Prague. These developments have opened a great possibility to organize meetings with ERA's customers and partners such as the very recent event that took place at Wenceslas Square in the Prague city centre. Surveillance experts of ERA frequently contribute and provide professional support to EUROCAE but for the first time ERA was pleased to be able to invite members of EUROCAE Working Group 51 Sub-Group 4 to continue their work on developing EUROCAE Documents (EDs).

A dozen WG members gathered there for three days and significantly progressed on the creation of revision A of the EUROCAE Document ED-142 – Technical Specification for Wide Area Multilateration Systems. Discussions were focused on the definition of a WAM/ADS-B Composite solution, Mode-S to ASTERIX mapping and, a current and hot topic, how to minimise the rates of RF interrogation.

The participants appreciated both ERA's

hospitality and the magnificence of Prague itself and suggested that they would be flattered to visit ERA again on some future occasion.

#### **ABOUT EUROCAE**

EUROCAE was founded in 1963 at Lucerne, Switzerland as a not-for-profit organisation focusing on the development of aviation related standards. It is now headquartered in Malakoff, in the south of Paris, France. 200 member organisations from around the world send experts to the Working Groups to develop standards in a voluntary effort. Currently more than 1400 experts are active in 36 Working Groups. Activities cover areas like avionics and ATM ground systems, but also more exotic fields like weight and balancing systems or hydrogen fuel cells. EDs are developed as consensus based standards and the Open Consultation procedure ensures that the result is fit for purpose. Close cooperation with other standards making organisations, like RTCA or SAE, ensures global harmonisation.

#### POLISH MINISTRY OF DEFENCE AND ERA EXPERTS IN MUTUAL COOPERATION



Adelegation of the Polish Ministry of Defence visited ERA headquarters in mid-September. The main goal of the visit was the introduction of alternative radiolocation methods by ERA experts, a presentation of the ERA solutions portfolio and a tour of the ERA premises.

An official visit of Polish representatives of the Ministry of Defence was focused on the role of passive surveillance systems within the modern air defence concept. The visit was organized as a workshop, where both the theory of given technology as well as practical demonstration of passive surveillance systems were provided by ERA experts. In addition to Passive ESM Tracker and Passive Coherent Location, a family of passive surveillance systems, ERA also presented the capability of C2 (Command and Control) systems for air defence.

The entire program clearly demonstrates the fact that ERA has become a leading supplier of multilateration technology and a pioneer in its usage for the armed forces and ATM industry. They have sold the systems all over the world over the last two decades.





# THE EUROPEAN CHAMPION, SPEED SKATER KAROLINA ERBANOVA WON A GOLD MEDAL WITH THE ERA LOGO ON HER HOOD



The remarkable Czech speed skater Karolina Erbanova, who the ERA company has subsidized for three years, has delighted Czech speed skating fans again. In the beginning of January Karolina took part in the European Championship in her current home of Heerenveen, the Netherlands, and won a gold medal in the combined sprint races of speed skating on 500 and 1000 metres tracks, becoming European champion for this year. Karolina had great success in this competition with participants from throughout Europe,

defeating the Russian Olga Fatkulina and the Dutch Jorien Ter Mors.

A month later Karolina Erbanova won three more medals and in ISU World Cup Speed Skating at the Sportforum in Berlin. After winning the European Sprint title the Czech sprinter now took two silver medals in the 500 metre track only behind the this time unbeatable Japanese skater Nao Kodaira. In the 1000 metre race Karolina finished third after Heather Bergsma and Marrit Leenstra. The American Bergsma has won all of the

1000 m World Cup races this season, Marrit Leenstra from the Netherlands took the silver and Karolina grabbed the bronze medal.

Erbanova is now seventh in the World Cup rankings. She has thus easily qualified for the World Sprint Speed Skating Championships which will take place in Calgary, Canada, at the end of February. ERA signed a contract of partnership with Karolina in 2014 and has supported her ever since and now is pleased to congratulate her for this crowning achievement in her sports career thus far.

Karolina Erbanova (born in 1992 in Vrchlabi, Czech Republic) is a short track speed skater. She cross-country skied and played ice hockey as a girl. She was very fast on skates and at the age of 13 was recommended to Petr Novak (the couch of Olympic champion Martina Sablikova) as the prospect. She has been a member of his NOVIS Team as of 2006. She was initially seen as a middle track skater but later decided to specialise on sprints. As of May 2014 she has been training with the Holland Continu team in Heerenveen, the Netherlands, the so-called "speed skating Mecca". ERA has signed a contract of partnership with this talented youth to support her training abroad.

## ERA HAS SUPPORTED THE PUBLICATION OF A HISTORICAL DOCUMENTARY BOOK ANTHROPOID

**E**RA recently became involved in the publication of a new book on a popular contemporary topic, the operation Anthropoid. This documentary book describes the main success of the Czech resistance movement during World War II, the assassination of Reinhard Heydrich by exile Czechoslovak soldiers in 1942. The author Jaroslav Čvančara made use of a number of remarkable archive materials, especially some, up until now, unpublished photographs.

Operation Anthropoid was the code name for the assassination of SS Obergrupenführer and General der Polizei, the acting Reichsprotektor of the Protectorate of Bohemia and Moravia. The operation was

carried out in Prague on 27 May 1942 after having been prepared by the British Special Operations Executive with the approval of the Czechoslovak government-in-exile. Wounded in the attack, Heydrich died of his injuries several days later and his death led to a wave of merciless reprisals by German SS troops, including the destruction of villages and the killing of civilians. Anthropoid was the only successful assassination of a senior Nazi leader during the war.

The event recently gained wider public attention thanks to the new film Anthropoid, a historical thriller of Czech, French and British co-production, directed by Sean Ellis, starring the superstars Cilian Murphy, Jamie Dornan and a great number of Czech actors.

# Jaroslav Čvančara V 10410 PRAVOSLAVNEN CHRANI SVATIRO VALINA S MIRODI BILE UT 1842 AMODDI BILE UT 1844 AMODDI BILE UT 1844 AMODDI BILE UT 1844 AM



#### **ERA SIGNED AN AGREEMENT OF COOPERATION WITH YET ANOTHER TECHNICAL UNIVERSITY - VUT BRNO**





RA would like to announce the signing of an agreement for future cooperation in research and development with Faculty of Information Technology (FIT) of Brno University of Technology (VUT). This agreement involves a partnership between FIT VUT and ERA Pardubice regarding the R&D activities and exchange of information

especially in the field of civil and military air surveillance systems and other applications of information technologies.

ERA is in constant search of young talented people and support activities such as school competitions and scientific conferences.

FIT VUT provides education and research in the field of information technology.

The faculty consists of four departments, computer centre and research centre. The research is conducted by FIT academic staff, researchers employed by FIT, students of the Ph.D. degree programme and also students of the final year of Master studies. FIT is active in a number of research projects.

#### **ERA SUBSIDIZES A COMPETITION FOR THE** YOUNGSTERS TO MOTIVATE THEM FOR IT



he Secondary School of Electrical I Engineering based in ERA's hometown of Pardubice organized a competition in IT knowledge for primary school graduates at the beginning of December. ERA Company, which is in constant search for young talented people interested in technical disciplines, supported the event by providing the prizes for the winners in five categories.

ERA also supplied a schooling expert who delivered a lecture for secondary education level students on ERA's pioneering role in passive radiolocation and its place in the fast developing industrial district of Pardubice, which has become well known for its tradition in electrical technology disciplines.

Support for the activities at the School of Electrical Engineering is part of ERA's unofficial HR policy as well as its long-term



THE WINNERS IN SEVERAL CATEGORIES OBTAINED DOZENS OF "MOTIVATING" PRIZES.

cooperation with this institution which has traditionally educated highly valued and needed experts in this field of industry. A number of the school's alumni already work for the company and ERA has high hopes for ongoing future recruitment.

Apart from the Secondary School of Electrical Engineering, ERA has subsidized the Faculty of Information Technology and the Faculty of Electrical Engineering and Communications of the Brno University of Technology, the Faculty of Electrical Engineering and Informatics at University of Pardubice, the University of Hradec Kralove and the Department of Air Defence Systems of the Faculty of Military Technology of the University of Defence in Brno.

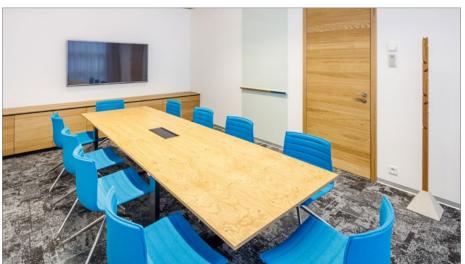
The students competed in three disciplines entitled PC expert, S-Robot and Electronics in a different perspective and Milan Stary, ERA Marketing Director, congratulated the winners.



# ERA EMPLOYEES HAVE MOVED TO BRAND NEW HEADQUARTERS BUILDING















#### **ERA AND OMNIPOL EXHIBITED** AT INDODEFENCE FAIR IN JAKARTA

he Indodefence international defence and aviation exhibition took place in Jakarta, Indonesia on 2 – 5 November 2016. ERA participated in the exhibition as part of the official Czech exhibition with its parent company OMNIPOL. ERA introduced its unique passive surveillance system VERA-NG to a number of distinguished visitors including Jusuf Kalla, Vice-President of the Republic Of Indonesia and Ryamizard Ryacudu, the Minister of National Defence of Indonesia, who both stopped by the Czech stand in order to learn about the passive systems by ERA.

Representatives of ERA and OMNIPOL also had the opportunity to conduct negotiations with several other national delegations. The accompanying program also consisted of conferences with aerospace professionals, which were focused on air space safety as novelties in the aviation and maritime industries.

The Indodefence fair returned to the Indonesian capital after two years. The largest event in the Asia-Pacific region attracted over



25.000 visitors and more than 750 exhibitors from 55 countries. Remarkable companies from 30 countries such as Airbus, Saab or Lockheed Martin had their own stands. Apart

from the Czech Republic, there were also exhibitors from Slovakia, Germany, India, Australia, South Korea, the United States, Russia, etc.

#### **ERA ATTENDED ADEX IN BAKU – ONE OF** THE BIGGEST EXHIBITION OF MILITARY **TECHNOLOGIES IN POST-SOVIET REGION**



**E**RA Company together with its parent company OMNIPOL exhibited its proven solutions for air defence highlighting the passive surveillance and reconnaissance system VERA-NG at ADEX (Azerbaijani International Defence Exhibition) held at Baku Expo Centre in Baku, the capital of Azerbaijan. The 2<sup>nd</sup> edition of this international event, widely recognized by military organizations and defence and security producers in Caucasus region, is organized biannually, this year from September 27 to 30.

ERA and OMNIPOL presented the last generation of the unique VERA-NG military surveillance system along with other Czech companies Česká zbrojovka and Meopta to delegations of army specialists. They were primarily interested in details of its usage for air defence forces and the performance of Passive ESM Tracker VERA compared



to traditional radars. The president of the Republic of Azerbaijan Ilham Aliyev was also among VIP guests visiting ERA stand.

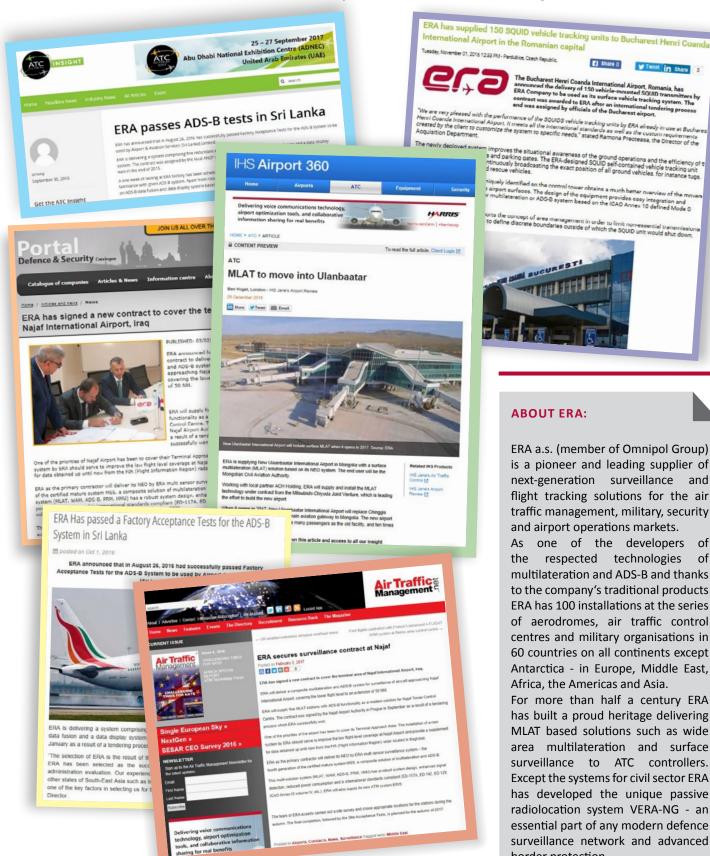
ERA is not unknown company in Azerbaijan,

it has had its airport surface management system A-SMGCS deployed at Heydar Aliyev International Airport in Baku. This ERA MLAT surface system has been developed as extension of previously implemented Wide Area Multilateration system monitoring low flying helicopters and aircraft over the Caspian Sea since 2010.

ADEX 2016 is a grand display of modern weaponry and equipment, the show of the force and power of the military-industrial complex, the exhibition has been supported by the Ministry of Defence of the Republic of Azerbaijan. This year, ADEX was attended by 216 companies from 34 countries, and 29 delegations from 21 countries. The geographical spread of the participants has expanded to countries such as Croatia, Estonia, the Czech Republic Latvia, and Montenegro.

#### **MEDIA COVERAGE - ERA IN NEWS**

Read more at www.era.aero in section News/press release - media coverage.



#### **ABOUT ERA:**

ERA a.s. (member of Omnipol Group) is a pioneer and leading supplier of next-generation surveillance and flight tracking solutions for the air traffic management, military, security and airport operations markets.

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The Bucharest Henri Coanda International Airport, Romania, ha announced the delivery of 150 vehicle-mounted SQUID transmi ERA Company to be used as its surface vehicle tracking system contract was awarded to ERA after an international tendering pro and was assigned by officials of the Bucharest airport.

improves the situational awareness of the ground operations and the efficiency a and parking gates. The ERA-designed SQUID self-contained vehicle tracking ur filtinuously broadcasting the exact position of all ground vehicles for instance tu direscue vehicles.

guely identified so the control tower obtains a much centre commence of the integration and import surfaces. The design of the equipment provides easy integration and multilateration or ADC-0 system based on the ICAO Annex 10 defined Mode 0

quely identified so the

As one of the developers of the respected technologies of multilateration and ADS-B and thanks to the company's traditional products ERA has 100 installations at the series of aerodromes, air traffic control centres and military organisations in 60 countries on all continents except Antarctica - in Europe, Middle East, Africa, the Americas and Asia.

For more than half a century ERA has built a proud heritage delivering MLAT based solutions such as wide area multilateration and surface surveillance to ATC controllers. Except the systems for civil sector ERA has developed the unique passive radiolocation system VERA-NG - an essential part of any modern defence surveillance network and advanced border protection.