era

GROUP OMNIPOL

COMPANY PROFILE

BEYOND RADAR

OUR COMPANY

ERA (a member of OMNIPOL group) is a leading company in multilateration, multistatic surveillance, and reconnaissance technology. Unrivalled experience in passive surveillance sensor development provides ERA with unique know-how to deliver comprehensive solutions for global markets. We develop, manufacture and implement mission-critical systems for military and civil purposes.
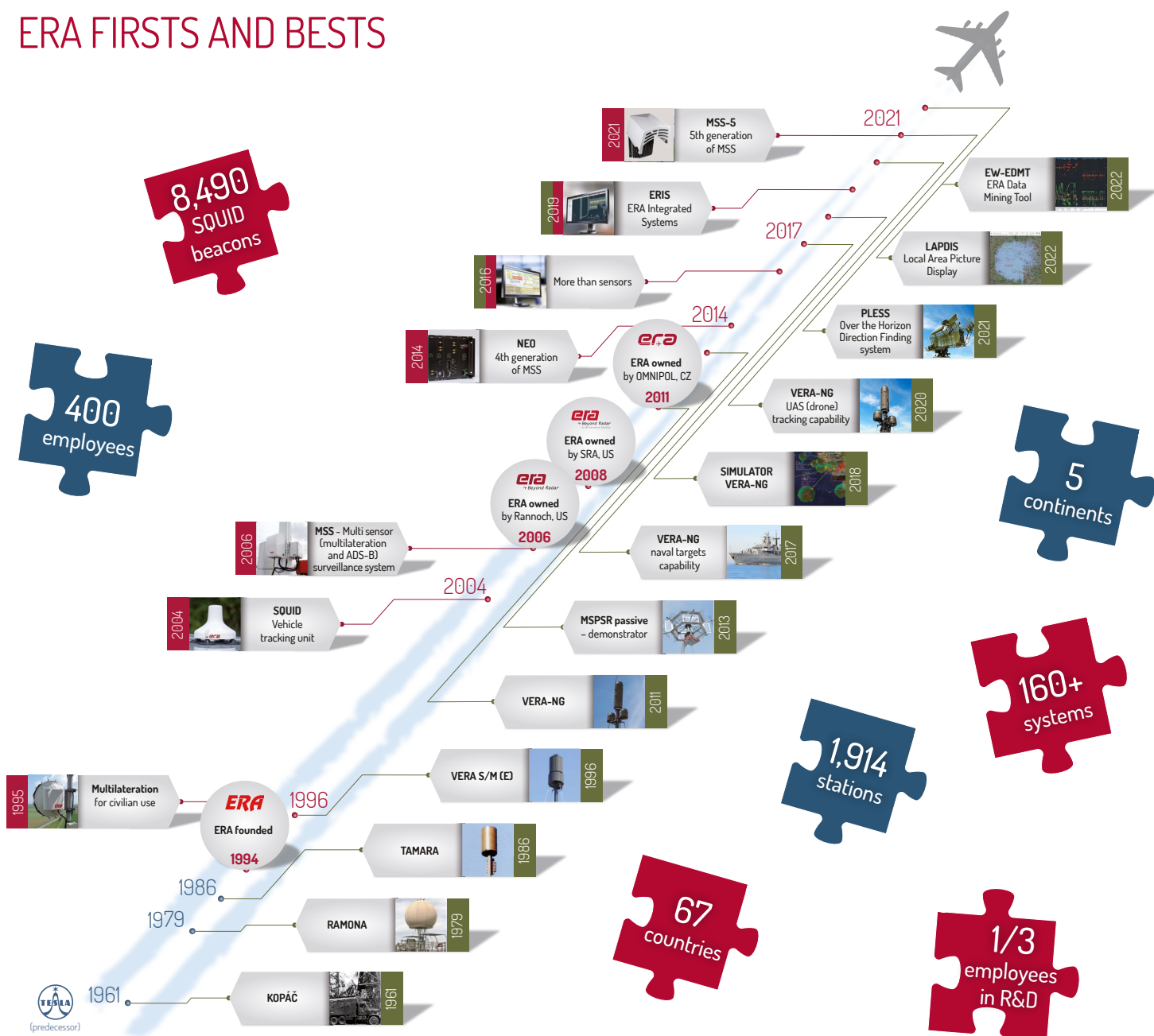
ERA made air traffic control history when deploying the first multilateration system and introducing gate-to-gate surveillance. ERA has brought to the world a novel passive medium range surveillance sensor category called Passive ESM Tracker (PET) for defence and electronic warfare purposes - which is today in its 5th generation known as VERA-NG - tailored for air, maritime and land target surveillance and reconnaissance. The company heritage and global experience in passive ESM/ELINT helped ERA introduce another

category of the Over the Horizon Direction Finding (OTH DF) long-range sensor, in its 2nd generation known as PLESS.
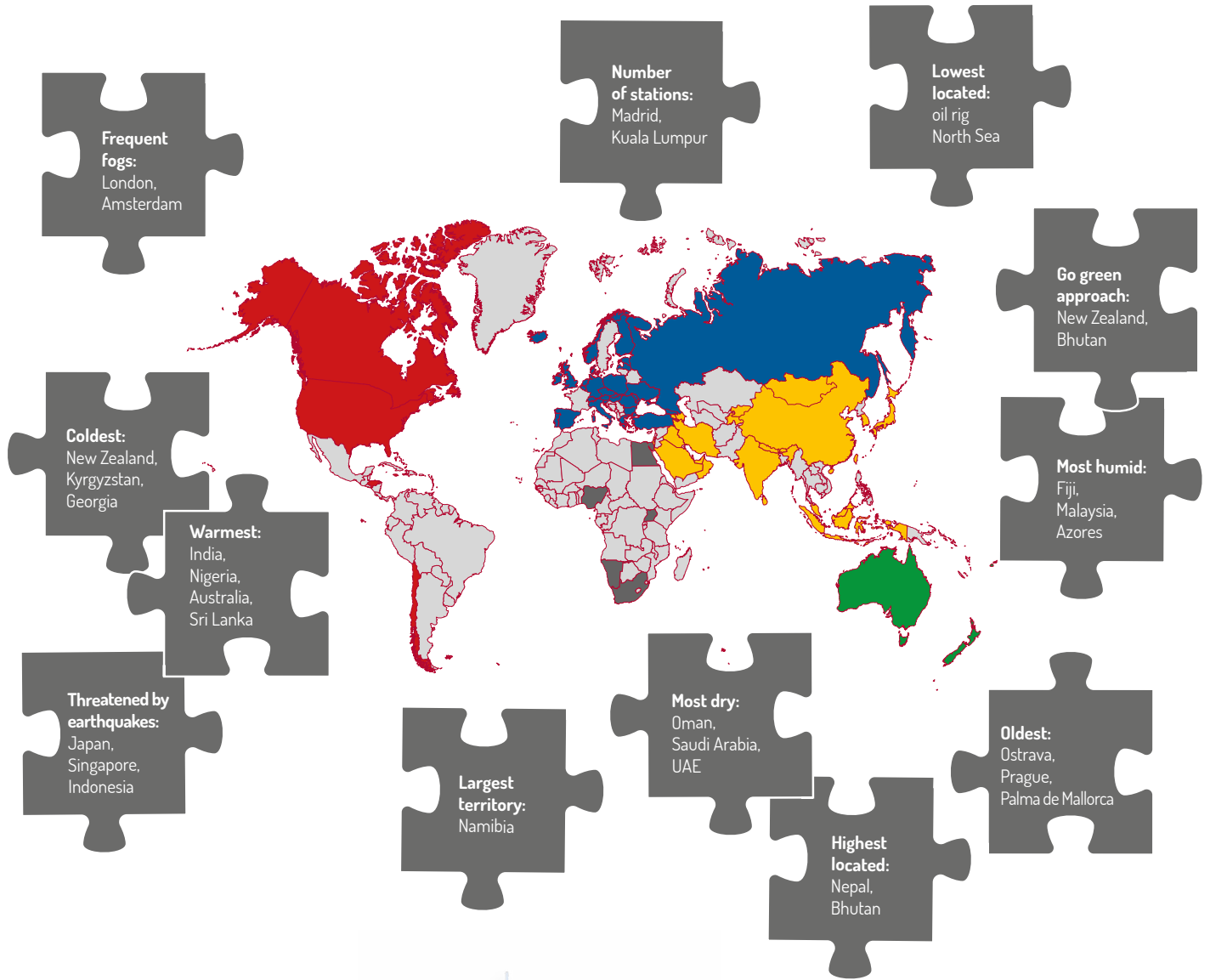
The above-mentioned sensors make possible a broad ecosystem consisting of sensor performance prediction and evaluation tools and data mining tools together with a full virtual EW scene simulator to help military intelligence.

Over the last 3 decades, ERA has reached a number of more than 160 installations, deployed in over 67 countries on 5 continents with 24/7 operations fulfilling demanding customer requirements. More important, however, than the given number of references is the experience we have achieved and lessons learnt during implementation of our solutions. We intend to continue introducing new technologies to adapt to tomorrow's challenges.

ERA FIRSTS AND BESTS

8,490 SQUID beacons

400 employees

5 continents

160+ systems

1,914 stations

67 countries

1/3 employees in R&D

2021 — MSS-5 5th generation of MSS

2022 — EW-EDMT ERA Data Mining Tool

2019 — ERIS ERA Integrated Systems

2017

2022 — LAPDIS Local Area Picture Display

2016 — More than sensors

2021 — PLESS Over the Horizon Direction Finding system

2014 — NEO 4th generation of MSS

2014 — era ERA owned by OMNIPOL, CZ **2011**

2020 — VERA-NG UAS (drone) tracking capability

era – Beyond Radar ERA owned by SRA, US **2008**

2018 — SIMULATOR VERA-NG

era – Beyond Radar ERA owned by Rannoch, US **2006**

2006 — MSS – Multi sensor (multilateration and ADS-B) surveillance system

2017 — VERA-NG naval targets capability

2004

2004 — SQUID Vehicle tracking unit

2013 — MSPSR passive – demonstrator

2011 — VERA-NG

1995 — Multilateration for civilian use

ERA ERA founded **1994**

1996

1996 — VERA S/M (E)

1986

1986 — TAMARA

1979

1979 — RAMONA

TESLA (predecessor)

1961

1961 — KOPÁČ

ERA INSTALLATIONS – HIGHLIGHTS AND EXTREMES

Frequent fogs:
London, Amsterdam

Number of stations:
Madrid, Kuala Lumpur

Lowest located:
oil rig North Sea

Go green approach:
New Zealand, Bhutan

Coldest:
New Zealand, Kyrgyzstan, Georgia

Warmest:
India, Nigeria, Australia, Sri Lanka

Most humid:
Fiji, Malaysia, Azores

Threatened by earthquakes:
Japan, Singapore, Indonesia

Largest territory:
Namibia

Most dry:
Oman, Saudi Arabia, UAE

Oldest:
Ostrava, Prague, Palma de Mallorca

Highest located:
Nepal, Bhutan

ERA BUSIEST AIRPORTS

- Beijing Daxing, **China**
- Beijing Capital International Airport, **China**
- Dubai International Airport, **UAE**
- London Heathrow Airport, **UK**
- Shanghai Pudong International Airport, **China**
- Amsterdam Airport Schiphol, **The Netherlands**
- Frankfurt Airport, **Germany**
- Seoul Incheon International Airport, **South Korea**
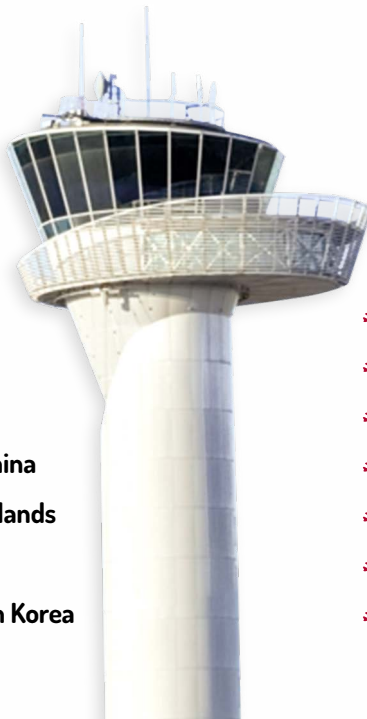
- Jakarta Soekarno–Hatta International Airport, **Indonesia**
- Changi Airport, **Singapore**
- Kuala Lumpur International Airport, **Malaysia**
- Madrid Barajas Airport, **Spain**
- Mumbai Chhatrapati Shivaji International Airport, **India**
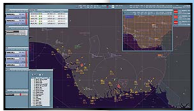- Toronto Pearson International Airport, **Canada**
- Munich Airport, **Germany**

ATM PRODUCTS

era
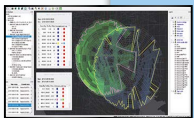
ERIS-A
ERA INFORMATION SYSTEM
Advanced airport ground control system

ERIS-ATM
ERA INFORMATION SYSTEM
Air Traffic Management and Control System

ERIS-DART
DATA ANALYSIS AND REPLAY TOOL
Surveillance data analysis and evaluation

IXO
INTEGRATED ATM/UTM/AIS SYSTEM
Aeronautical Data and UAV management

3R
RECORD & REPLAY & INVESTIGATOR SYSTEM
Non-stop record&replay system with Technical and Investigation Client

SQUID
VEHICLE TRACKING UNIT
Vehicle-mounted ADS-B transmitter

MSS-5
MULTILATERATION AND ADS-B SYSTEM
The 5th generation of Multisensor Surveillance System

SENSORS

MORE THAN SENSORS

AIRPORT/ANSP

Advanced Surface Movement Guidance and Control System (A-SMGCS)

Surface Multilateration (MLAT) and ADS-B

Vehicle Tracking System (VTS)

Common Ground Surveillance System (CGSS)

Record, Replay investigation (R&R)

Integrated Aeronautical Information System (AIS)

UAV Traffic Management (UTM)

TMA

Airport Approach Surveillance (APP)

Precision (Parallel) Runway Monitoring (PRM)

Approach Path Monitor (APM)

ADS-B

era

WO
O
TECHN

CUSTOMER SUPPORT | T

SOLUTIONS

Wide Area Multilateration (WAM)

Height Measurement Unit (HMU)

Automatic Dependent Surveillance Broadcast (ADS-B)

EN-ROUTE

era

SURVEILLANCE & RECONNAISSANCE

Electronic Warfare (EW)

Air, Maritime, Land Surveillance and Reconnaissance

Electronic Intelligence (ELINT)

SOLUTIONS

SURVEILLANCE

En-route/Approach/Ground Surveillance for military Air Traffic Control

Precision Approach

Test Range Air Surveillance

WORLD OF TECHNOLOGY

TRAINING | CONSULTANCY

AIRBASE/OPERATION CENTRE

Military Air Traffic Control (MATC)

Air Command & Control System (AirC2)

Airbase Multilateration Surveillance

Record, Replay, De-Briefing (R&R)

VERA-NG
PET - PASSIVE ESM TRACKER

Passive surveillance and reconnaissance multistatic system

PLESS
PASSIVE LONG-RANGE ESM SURVEILLANCE SYSTEM

Over The Horizon system on the direction-finding principle

ERIS-COMMS
SURVEILLANCE DATA DISTRIBUTION SYSTEM

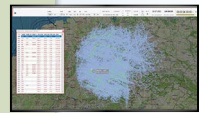System for SW data routing and dissemination

MIPS
MISSION PLANNING AND PREDEPLOYMENT

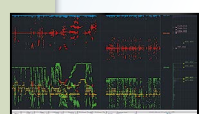Coverage simulation tool for surveillance systems

LAPDIS
LOCAL AREA PICTURE DISPLAY

Situational display and interoperability interface

EW-EDMT
ERA DATA MINING TOOL

Post-mission analysis and building reference database of targets

EW-SIM
ELECTRONIC WARFARE SIMULATOR

Training tool for Passive ESM Systems

QUALITY MANAGEMENT

ERA's management system is based on quality management standards and continuous process improvement to ensure the successful achievement of all specified needs for its customers. ERA's products are backed with the MasterCare program – a complete portfolio of services and comprehensive range of assurance offerings that can be customized to the unique customer, deployment site and service level requirements.

AWARDS AND PRIZES

ERA has been awarded numerous awards and prestigious prizes by international juries, namely:

2007 Jane's ATC Industry Development Award, Maastricht
2007 Frost & Sullivan Award for ADS-B Technology
2009 Leadership Gold Medal IDET News for VERA-NG, Brno
2013 Prestigious award IDET News for Silent Guard, Brno
2015 Silver DSEI medal in the nomenclature of PSS, London
2017 Company of the Year; ERA HQ – Building of the Year, Pardubice
2019 Golden IDET award for Passive ESM Tracker Simulator, Brno
2020 NCIA Defence Innovation Challenge winner for the ATC application ERIS

CERTIFICATES

ERA's quality system has been certified to the ISO 9001 standard since 1997 and is regularly audited and recertified by the Certification Authority TÜV SÜD Czech. ERA complies with NATO design, development and production requirements. The AQAP 2110 certificate is issued by the Defence Standardization, Codification and Government Quality Assurance Authority and is based on the ISO 9001:2016 standard. Since 2017 the company has been certified to the ISO 14001 - Environmental management system and recently ERA obtained certification to ISO/IEC 27001 - Information security management systems.

INTELLECTUAL PROPERTY RIGHTS

Reasearch and development is a cornerstone for ERA, which means protection of intellectual property, but at the same time continuous increase of global knowledge by sharing technological breakthroughs. ERA follow both principles with more than 30 patents and by publishing papers in impacted journals. Moreover, ERA employees contribute to major conferences, R&D panels and standardization groups (EUROCONTROL, EUROCAE).

SPORT

ERA has been actively supporting basketball in CZ at various levels for several years. It's a key partner of the best basketball club of Czech NBL and regular participant in the European Champions League" – ERA Basketball Nymburk. It supports the development of the best basketball talents in ERA Golden talents Pardubice. ERA has been the general partner of the Golf Club resort Pardubice and its golf course in Bohdaneč Spa. ERA also supports additional regional sport events such as the summer "Sport Park" for children in Pardubice, the bicycling competition for employees "On Bike to Work" and tournaments for disabled sportsmen organized by Athletics Without Barriers.

CHARITY

In connection with the corporate responsibility programme, ERA's main partner has become a school for children with special learning needs Svítání (Dawn). ERA has sponsored a number of projects for its students. ERA has also repeatedly subsidized the charity event Philanthropic Exchange which donates to non-profit organizations such as the rehabilitation programmes for the ill and seniors, eco centres or regional children's homes.

EDUCATION

Support for activities such as school competitions, scientific exhibitions and university conferences is part of ERA's official HR policy. ERA has subsidized the Secondary School of Electrical Engineering and the University of Pardubice based in ERA's home-town. ERA also closely cooperates with the University of Defence and the University of Technology, both in Brno, and the Czech University of Technology in Prague.

CULTURE

ERA has had a long-term relationship with East Bohemian Theatre, the Pardubice city drama company. ERA traditionally subsidizes the Association of Professional Photographers of the Czech Republic and its Personality of Czech Photography award and the publishing of textbooks focused on the history of air traffic management and related issues.

CORE VALUES

Tradition

More than half a century of pioneering in the field of passive radiolocation

Reliability

More than 1 billion operating hours of working modules at ERA's surveillance systems worldwide over 25 years

Safety

Certified surveillance systems by ERA guard the airspace over 5 continents

Future

Our heritage of proved innovation continues with a constant focus on research and development

GROUP OMNIPOL

Prague

Pardubice HQ

nekázanka 1

Brno

Uherské Hradiště

Strakonice

R-SYS Slovakia

ERA a.s.
Průmyslová 462
530 03 Pardubice
Czech Republic

GPS: 50.025520, 15.802160

SALES DEPARTMENT
+420 467 004 387
sales@era.aero

www.era.aero