



BEYOND RADAR



REFERENCES

www.era.aero

ERA IN EUROPE



ARMENIA

Gyumri Airport

for ARMATS (Armenian Air Traffic Service)

2004

WAM

2014

WAM (Extension)

2017

WAM (Upgrade)

Yerevan Airport

for ARMATS (Armenian Air Traffic Service)

2004

WAM

2014

WAM (Extension)



AUSTRIA

Salzburg Airport

for Salzburger Flughafen GmbH

2016-2019

SQUID



BELGIUM

Brussel Airport

for Belgocontrol

2012-2018

SQUID



BULGARIA

Sofia Airport

for BULATSA (Bulgarian Air Traffic Services Authority)

2012

SURFACE

2017

WAM



CZECH REPUBLIC

Brno-Tuřany Airport

for ANS CR (Air Navigation Services of the Czech Republic)

2008

WAM

2017

WAM (Upgrade)

Karlovy Vary Airport

for ANS CR (Air Navigation Services of the Czech Republic)

2018

WAM

Leoš Janáček Airport Ostrava

for ANS CR (Air Navigation Services of the Czech Republic)

2001 WAM
 2008 WAM (Upgrade)
 2008 SURFACE
 2015 WAM (Upgrade)
 2008-2011 SQUID

Václav Havel Airport Prague

for ANS CR (Air Navigation Services of the Czech Republic)

1999 WAM + SURFACE
 2003 SURFACE
 2005 SURFACE (Upgrade)
 2006 WAM
 2010 WAM + SURFACE (Upgrade)
 2015 WAM (Upgrade)
 2004-2020 SQUID



DENMARK

Copenhagen Airport

for Copenhagen Airports

2003 SURFACE
 2009-2013 SURFACE (Extension)
 2014, 2016 SURFACE (Extension)
 2021 SURFACE (Extension)
 2004-2020 SQUID



ESTONIA

Tallinn Airport

for Estonian Air Navigation Services (EANS)

2008 SURFACE
 2017 SURFACE (Extension)
 2008-2017 SQUID



FINLAND

Helsinki Airport

for Finavia (Finnish Civil Aviation Administration)

2010-2021 SQUID



GEORGIA

Tbilisi International Airport

for Sakaeronavigatsia

2017 Dual ADS-B
 2017 ERIS



GERMANY

Berlin Brandenburg International Airport

for DFS Deutsche Flugsicherung

2010	SURFACE
2011	SURFACE (Upgrade)
2017	WAM (Upgrade)
2019	SURFACE
2021	CPS (Upgrade)
2009-2020	SQUID

Braunschweig Wolfsburg Airport

for DFS Deutsche Flugsicherung

2000	SURFACE
2005	SURFACE (Upgrade)
2011	SURFACE + WAM

Cologne/Bonn Airport

for DFS Deutsche Flugsicherung

2016	SURFACE (NEO)
2019-2021	SQUID

Countrywide system

for DFS Deutsche Flugsicherung

2022	ADS-B (MSS-5)
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Düsseldorf Airport

for DFS Deutsche Flugsicherung

2014	SURFACE (NEO)
2017-2021	SQUID

Hamburg Airport

for DFS Deutsche Flugsicherung

2007	SURFACE
2019	CPS (Upgrade)
2012 -2018	SQUID

Leipzig/Halle Airport

for DFS Deutsche Flugsicherung

2019	SURFACE (NEO)
2020	SQUID

Munich International Airport

for DFS Deutsche Flugsicherung, FMG Flughafen Muenchen

2006	SURFACE
2012	SURFACE (Extension)
2006-2020	SQUID

Stuttgart Airport

for DFS Deutsche Flugsicherung

2015	SURFACE (NEO)
2020	SQUID

Frankfurt am Main, Bremen, Langen, Nürnberg

for DFS Deutsche Flugsicherung

2008-2020	SQUID
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GREECE

Thessaloniki Airport „Makedonia“

for Hellenic Civil Aviation Authority

2010	SURFACE
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HUNGARY

Budapest Ferenc Liszt International Airport
for HungaroControl

2006 SURFACE
2014 SURFACE (Upgrade)
2018-2019 ADS-B
2020, 2021 SURFACE (Upgrade + Extension)
2006-2018 SQUID



IRELAND

Dublin Airport
for Irish Aviation Authority

2007 SURFACE
2010; 2021 SURFACE (Extension)
2007-2021 SQUID



ITALY

Turin Airport
for ENAV

2017 SURFACE



LATVIA

Riga International Airport
for Latvijas Gaisa Satiksme (LGS), International Airport Riga

2005 SURFACE
2007 WAM
2016 SURFACE (Extension)
2019 WAM (Upgrade)
2006-2018 SQUID

Countrywide system
for Latvijas Gaisa Satiksme (LGS)

2021 WAM



MOLDOVA

Chisinau International Airport
for Moldavian Air Traffic Services Authority (MoldATSA)

2014 SURFACE (NEO)
2014 WAM (NEO)
2020 SQUID



THE NETHERLANDS

Amsterdam Airport Schiphol

for Amsterdam Airport Schiphol

2005-2020 SQUID

North Sea

for Luchtverkeersleiding Nederland

2007 WAM
2014 SQUID



NORWAY

Oslo Airport

for LUFTHAVN

2007 SURFACE
2012 SURFACE (Extension)
2015, 2017 SURFACE (Upgrade)
2007-2019 SQUID



POLAND

Krakow Airport

for Krakow Airport

2007 SQUID

Warsaw Airport

for PANSA (Polish Air Navigation Services Agency)

2018 SURFACE (NEO)
2019 SQUID



PORTUGAL

Azores

for NAV Portugal E.P.E.

2009 WAM + ADS-B
2013 WAM + ADS-B (Extension)

Lisbon Airport

for ANA - Aeroportos de Portugal, S.A.

2017, 2021 SQUID



ROMANIA

Avram Iancu Cluj International Airport

for ROMATSA (Romanian Air Traffic Services Administration)

2010 WAM + ADS-B
2013 WAM + ADS-B (Extension)

Bucharest Henri Coanda International Airport

for ROMATSA (Romanian Air Traffic Services Administration)

2010 SURFACE
2015-2021 SQUID

Romania South Area

for ROMATSA (Romanian Air Traffic Services Administration)

2014

WAM



RUSSIA

Domodedovo International Airport

for Domodedovo International Airport - Moscow

2009

SURFACE + System Integration

2009

SQUID

2017

SURFACE (Upgrade)

Pulkovo Airport

for LEMZ

2010

SURFACE

2010

SQUID

Sochi International Airport

for LEMZ

2010

SURFACE

2010

SQUID



SPAIN

Asturias Airport

for AENA (Spanish Airports and Air Navigation)

2003

SURFACE + WAM

2017

SURFACE (Upgrade)

Madrid Barajas Airport

for AENA (Spanish Airports and Air Navigation)

2006

SURFACE

2010-2021

SQUID

2019

SURFACE (Extension)

Málaga-Costa del Sol Airport

Sea and Air Technology

2022

SURFACE (MSS-5)

Palma de Mallorca Airport

for AENA (Spanish Airports and Air Navigation)

2003

SURFACE

2021

SURFACE (Extension)

2010

SQUID

Tenerife North Airport

for AENA (Spanish Airports and Air Navigation)

2006

SURFACE

2014

SURFACE (Extension)



TURKEY

Ankara Esenboga Airport

for State Airport Authority (DHMI)

2009

SURFACE

2009

SQUID

Antalya Airport

for State Airport Authority (DHMI)

2009 SURFACE

2009 SQUID

Istanbul Sabiha Gökçen International Airport

for State Airport Authority (DHMI)

2009 SURFACE

2009 SQUID



UKRAINE

Boryspil International Airport, Kiev

for Boryspil International Airport, Kiev

2016 SQUID

Ukraine ATC Centres

for UKSATSE

2018 ERIS



UNITED KINGDOM

Birmingham International Airport

for BAL - Birmingham Airport

2016 SURFACE

2016 SQUID

Cardiff

for NATS UK (National Air Traffic Services)

2009 WAM (HMU)

East Midlands Airport

for Manchester Airports Group Plc (MAG)

2008 WAM + ADS-B

Edinburgh Airport

for NATS Ltd.

2017 SQUID

London Gatwick Airport

for Gatwick Airport

2017 SQUID

London Heathrow Airport

for NATS UK (National Air Traffic Services)

2008-2010 SQUID

Newcastle International Airport

for Newcastle International Airport

2011 WAM

2020 WAM (Upgrade)

2011-2012 SQUID

ERA IN ASIA & MIDDLE EAST



AZERBAIJAN

Heydar Aliyev International Airport
for AZANS/AZAL

2010	WAM
2011	SURFACE + System Integration
2015	WAM
2012, 2019	SQUID



BHUTAN

Countrywide system
for BCAA - Bhutan Civil Aviation Authority

2021	ADS-B
2021	ERIS



CHINA

Beijing Capital International Airport
for China ATMB (Air Traffic Management Bureau)

2006	WAM (PRM)
2006	SURFACE
2007	SQUID

Beijing Daxing International Airport
for CAAC

2017	SURFACE
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Changsha Huanghua International Airport
for Civil Aviation Air Traffic Management Equipment Engineering Company

2015	SURFACE (NEO)
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Shanghai Pudong International Airport
for East China Regional Air Traffic Management Bureau of Civil Aviation of China

2015	WAM (PRM)
2015, 2019	SURFACE (NEO)
2020	SURFACE (Extension)

Zhengzhou Xinzheng International Airport
for Civil Aviation Air Traffic Management Equipment Engineering Company

2014	SURFACE (NEO)
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INDIA

Chennai International Airport

for Airports Authority of India

2008 SURFACE

2008 SQUID

Kolkata Netaji Subhash Chandra Bose Int. Airport

for Airports Authority of India

2008 SURFACE

2008 SQUID

Chhatrapati Shivaji Maharaj Int. Airport, Mumbai

for Airports Authority of India

2008 SURFACE

2019 SURFACE (Extension)

2008 SQUID



INDONESIA

Banda Aceh, Cilacap, Bangka Belitung, Tangkupan Perahu

for Directorate General of Civil Aviation (DGCA)

2008 ADS-B

Soekarno-Hatta International Airport

for PT Angkasa Pura 2

2012 SURFACE

2020 SURFACE (Extension)

2008-2016 SQUID

Medan

for ATKP Medan

2015 ADS-B

2016 WAM



IRAN

Shiraz Shahid Dastgheib International Airport

for Havaei Industry

2014 ADS-B

2015 SQUID



IRAQ

Al Najaf International Airport

for Najaf Airport Administration

2016 WAM + ADS-B

Sulaimaniyah International Airport

for Sulaimaniyah International Airport

2017 WAM

2017 ERIS



ISRAEL

Israel South Area

for Israel Airport Authority (IAA)

2014	WAM
2017	WAM (Extension)
2020	WAM (Extension)



JAPAN

Hokkaido

for JCAB

2018	WAM
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Chubu Centrair International Airport, Nagoya

for JCAB

2011	SURFACE (HMU)
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Narita International Airport, Tokyo

for JCAB

2013	WAM (PRM)
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Okayama Airport

for JCAB

2010	WAM (HMU)
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Osaka International Airport

for JCAB

2009	SURFACE
2011	SURFACE (Extension)



KYRGYSTAN

Osh Region

for Kyrgyzaeronavigatsia

2017	WAM
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MALAYSIA

Kuala Lumpur International Airport

for Directorate of Civil Aviation

2007	SURFACE
2012	SURFACE (Extension)
2007, 2012	SQUID



MONGOLIA

Ulaanbatar Airport

for MCAA (Mongolian CAA)

2016	SURFACE
2016	SQUID



NEPAL

Tribhuvan International Airport

for CAAN (Civil Aviation Authority of Nepal)

2019

ADS-B



OMAN

Muscat International Airport

for Directorate General of Meteorology and Air Navigation (DGMAN)

2011

SURFACE

2012

SQUID

Salalah International Airport

for Directorate General of Meteorology and Air Navigation (DGMAN)

2011

SURFACE

2012

SQUID



PAKISTAN

Allama Iqbal International Airport, Lahore

for Airport Lahore

2016

SURFACE

2016

SQUID



SAUDI ARABIA

Abha Airport

for Saudi Air Navigation Services (SANS)

2019

WAM (NEO)

Gassim Airport

for Saudi Air Navigation Services (SANS)

2019

WAM (NEO)

Hail Airport

for Saudi Air Navigation Services (SANS)

2019

WAM (NEO)

Countrywide system

for Saudi Air Navigation Services (SANS)

2019

ADS-B



SINGAPORE

Singapore Changi Airport

for Civil Aviation Authority of Singapore

2006

SURFACE

2012; 2016

SURFACE (Extension)

2007-2020

SQUID



SOUTH KOREA

Incheon International Airport

for Incheon International Airport Corporation (IIAC)

2014 SURFACE
2020 SURFACE (Extension)
2014 SQUID

Jeju International Airport

for Hanjin Information Systems and Telecommunication Co.Ltd.

2019 SURFACE (NEO)
2021 SQUID

Seoul

for SM CNS Corporation

2019, 2021 SQUID

Yangyang International Airport

for Public Procurement Services - Korea

2014 WAM (NEO)



SRI LANKA

Bandaranaike International Airport

for Airport & Aviation Services (Sri Lanka) Limited (AASL)

2015 ADS-B,
2015 ERIS



TAIWAN

Taiwan Taoyuan International Airport

for Union Security & Engineering Corp.

2021 SQUID



TAJIKISTAN

Khujand International Airport

for Tajikaeronavigation

2010 WAM + ADS-B
2012 WAM + ADS-B (Extension)



UNITED ARAB EMIRATES

Abu Dhabi International Airport

for Abu Dhabi International Airport

2017 WAM
2017 SURFACE

Dubai International Airport

for Dubai International Airport

2014-2018 SQUID

Fujairah International Airport
for Fujairah International Airport

2011 WAM
2018 WAM (Extension)

ERA IN AFRICA



EGYPT

Cairo International Airport
for NANSC

2010 SURFACE + ADS-B
2016 SURFACE (Extension)
2007, 2012 SQUID



NAMIBIA

Windhoek, Walvis Bay, Caprivi, Hosea Kutako, Eros
for Namibia Directorate of Civil Aviation

2009 WAM Windhoek
2010 WAM (Extension)
Walvis Bay and Caprivi
2012 WAM (Extension)
Hosea Kutako and Eros



NIGERIA

Niger Delta
for NAMA (Nigeria Airspace Management Agency)

2018 WAM
2018 ERIS



SOUTH AFRICA

Cape Town International Airport
for ATNS (Air Traffic and Navigational Services)

2005 WAM
2005 SURFACE
2005 SQUID

O. R. Tambo International Airport, Johannesburg
for ATNS (Air Traffic and Navigational Services)

2007 SURFACE
2008 SQUID

ERA IN AMERICAS



CANADA

Montréal-Dorval International Airport

for Aéroports de Montréal

2013-2019 SQUID

Québec City Jean Lesage International Airport

for Porter Airlines Inc.

2015 SQUID

Toronto Pearson International Airport

for GTAA (Greater Toronto Airports Authority)

2014-2018 SQUID



GUATEMALA

La Aurora International Airport Guatemala

for Cocesna

2017 WAM (Study)



CHILE

Arturo Merino Benítez International Airport

for DGAC

2005-2013 SQUID



USA

Miami International Airport

for Logistic Global - Contact Group Corp.

2015 SQUID

Truckee Tahoe Airport, California

for Truckee Tahoe Airport

2009 WAM

Washington Dulles International Airport

for FAA

2011 SQUID

ERA IN AUSTRALIA & PACIFIC ISLANDS



AUSTRALIA

Brisbane Airport

for Airservices Australia

2014 - 2020 SQUID



FIJI

Republic of the Fiji Islands

for Airports Fiji Limited (AFL)

2008 WAM + ADS-B + System Integration
2019 ADS-B



NEW ZEALAND

Auckland Airport

for Airways New Zealand

2007 SURFACE
2008-2017 SQUID

Christchurch International Airport

for Airways New Zealand

2014-2019 SQUID

Queenstown Airport

for Airways New Zealand

2007 WAM + ADS-B
2012 WAM + ADS-B (Extension)

ERA SQUIDS WORLDWIDE - in total 8 490 pcs