

AIXM/UML/XML/GML Workshop

ICAO SAM, Lima, Peru, 28-SEP – 02-OCT-2015

COMSOFT GmbH - Introduction



COMSOFT at a Glance



Founded in 1979

36 years of expertise in two business fields: main business Air Traffic Management, second pillar Industrial Communication.



90 +

With customers in more than 90 countries.



300 +

Around 300 employees from different cultures.



Global network

With six subsidiaries and over 50 representatives worldwide.

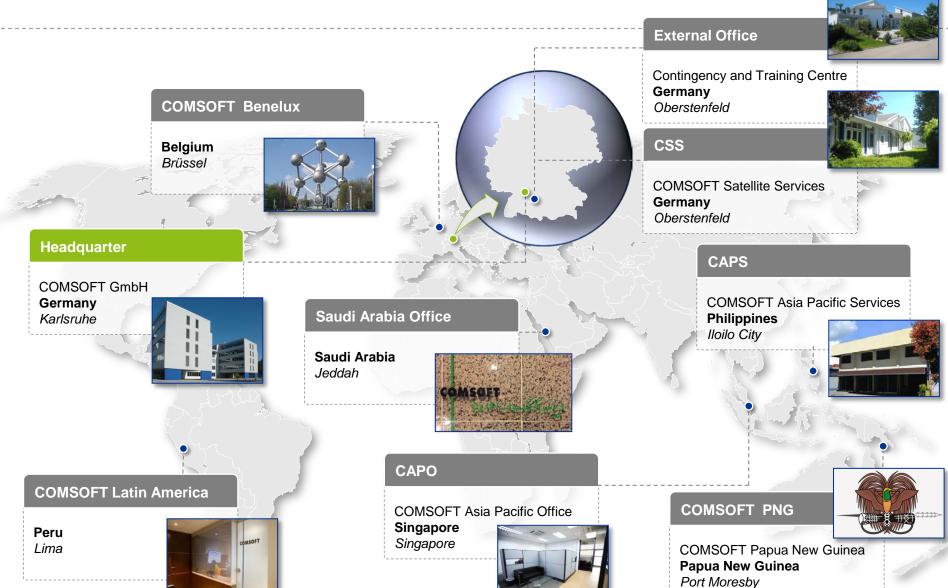


46 Mio +

Constantly growing revenue, 46 Mio € in 2014.



COMSOFT Locations Worldwide





COMSOFT Locations Worldwide - Karlsruhe

Main entrance



COMSOFT GmbH

Wachhausstr. 5a 76227 Karlsruhe Germany



Reception



Meeting / Training room



Test room



Rear

COMSOFT Locations Worldwide - Oberstenfeld

External Office

& Training Center

COMSOFT

info@comsoft.aero www.comsoft.aero





Benzstr. 2 71720 Oberstenfeld Germany



Subsidiary

COMSOFT Satellite Services GmbH



info@comsoft-sat.com www.comsoft-sat.com





Fields of Business





Aeronautical Messaging and Information Management
Systems

Surveillance Systems

ATM Automation Solutions

Services

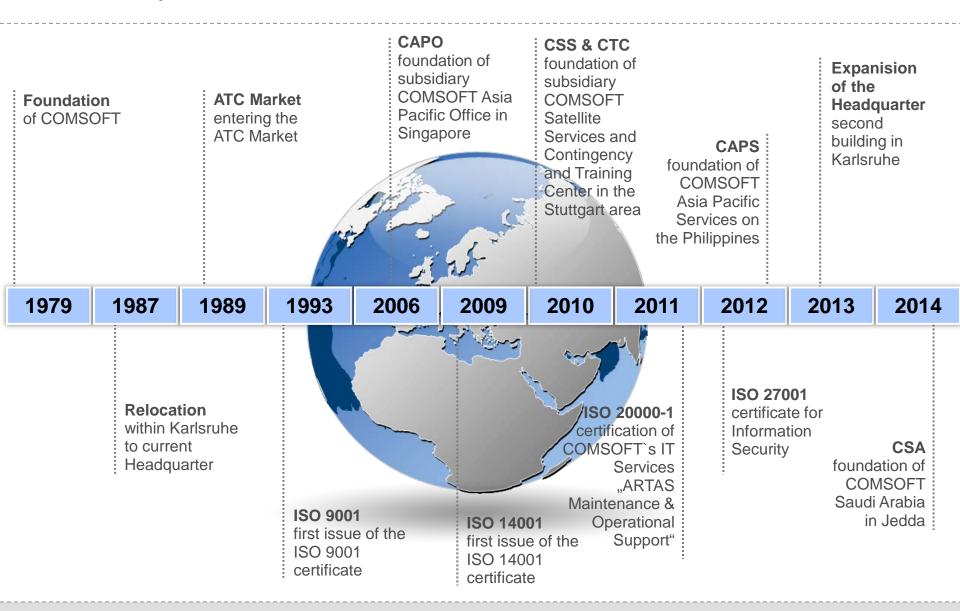
Profibus Products

Serial Products

Profinet Products

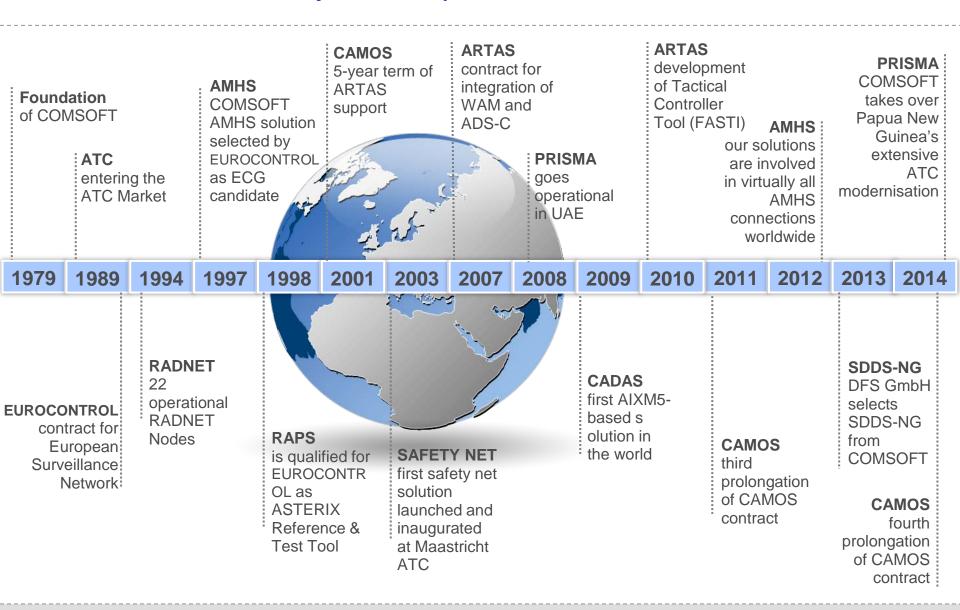


History in Short



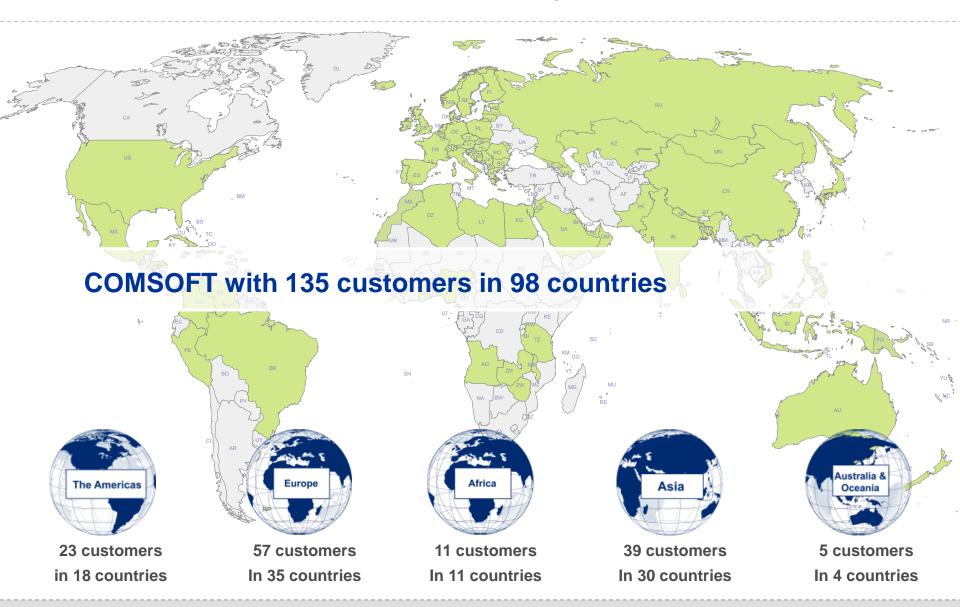


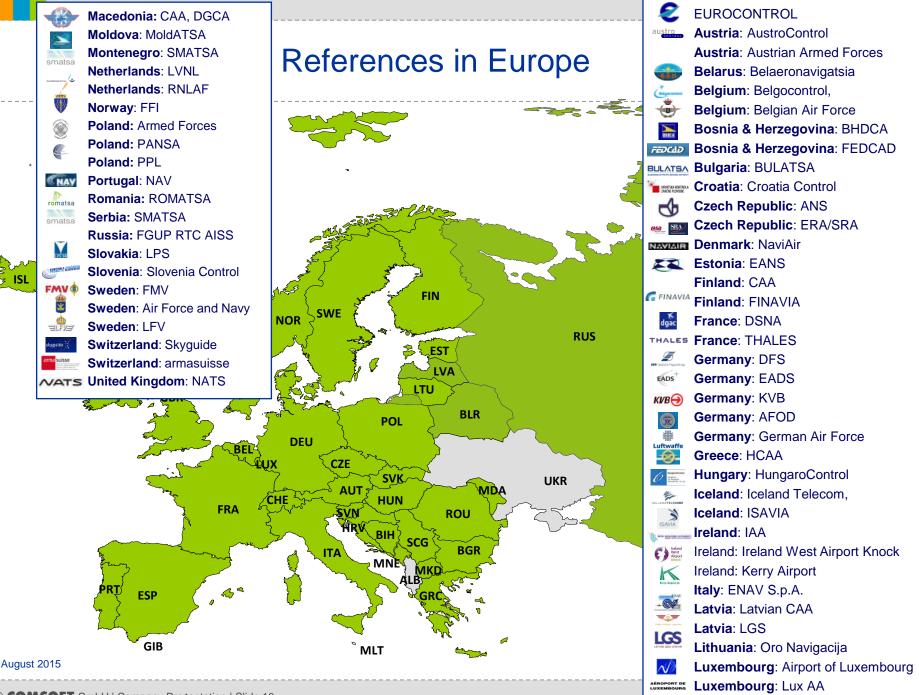
...and from a Project Perspective



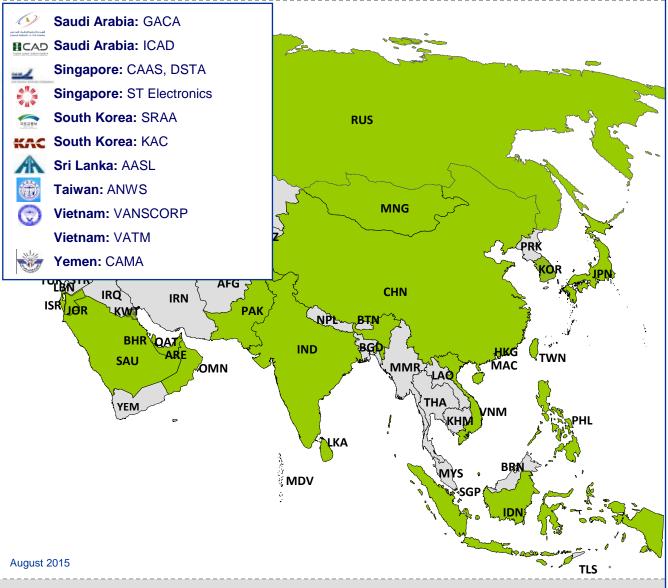


Our Customers – Air Traffic Management





References in Middle East & Asia





Abu Dhabi: GCAA

Azerbaijan: AZANS



Bangladesh: CAAB

China: CMC

Dubai: DCAA

Georgia: Sakaeronavigatsia

Hong Kong: HKCAD

India: AAI

Indonesia: AP II, STPI

Indonesia: DGCA Jakarta

Indonesia: Juwata Tarakan Airport

Indonesia: Palembang Airport

NEC Japan: NEC

Jordan: CARC

Kazakhstan: Kazaeronavigatsia

Kuwait: DGCA Macao: CAAM

Maldives: MACL

Mongolia: CAA

Nepal: CAAN

Oman: DGCAM

Pakistan: PCAA

Philippines: ATO, DOTC

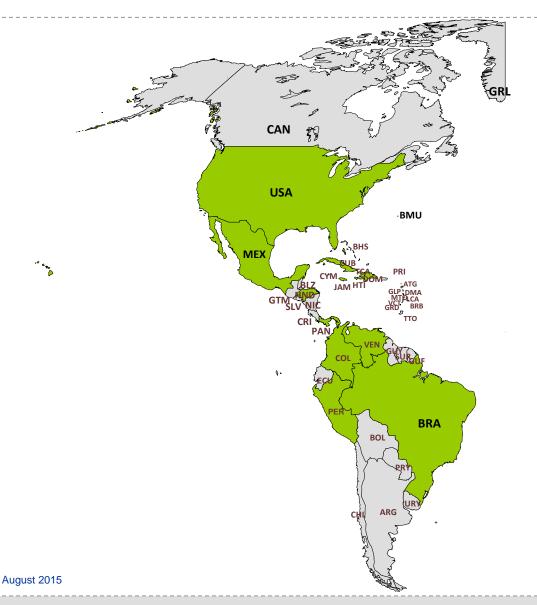
NDIA Qatar: NDIA

Qatar: QCAA

Russia: FGUP RTC AISS



References in the Americas







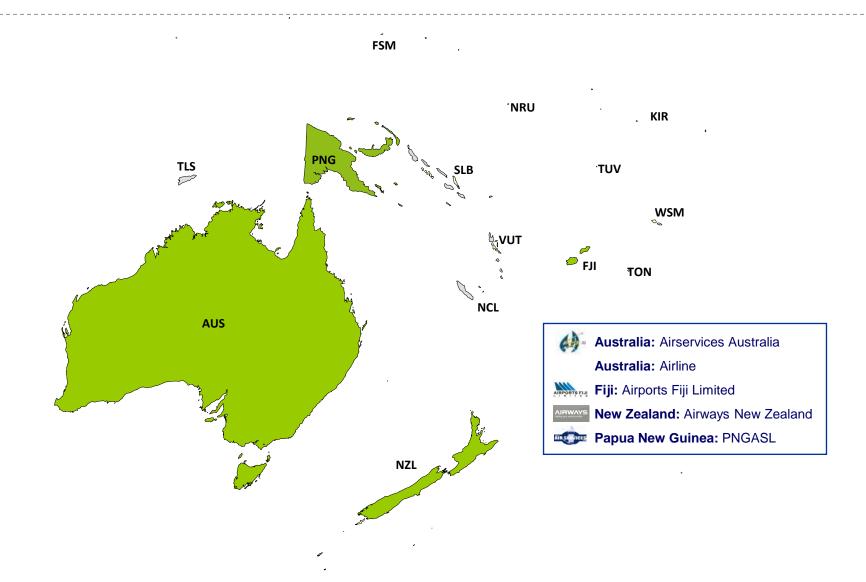
References in Africa







References in Oceania



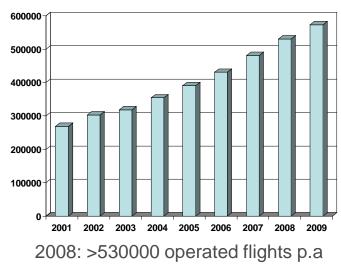


GCAA ATC Operations



- 6 Radar Sectors
- Integrated Military Approach/Civil Approach MICA (scheduled for end 2009)
- 2 Major International Airports (DXB, AUH)
- Remote terminals (Military, AUH)

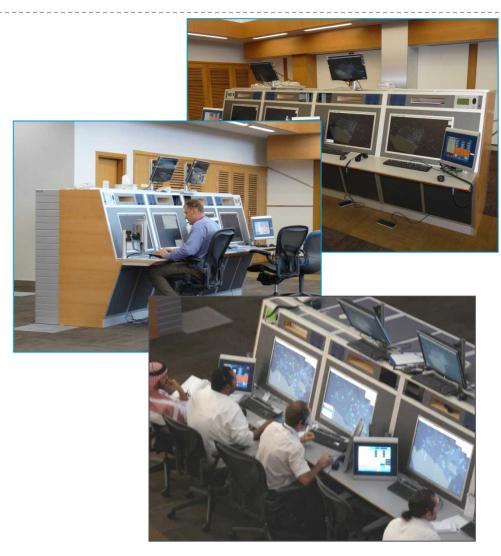




24h UAE Air Traffic

Sheikh Zayed Centre – Abu Dhabi GCAA UAE

- 6 Operational Sectors
- >1500 flights per day
- Military Coordination Cell
- Stripless operation
- Jurisdiction and Silent Hand-over
- OLDI Connections
- Safety Net functions
- Integrated Surveillance Data Processing
 - 6 Radars
 - 3 redundant ADS-B Ground Stations
- Autonomous Diversity System





Sheikh Zayed Centre - ACC GCAA UAE – Reference Project

- Redundant AIDA/AMHS
 - First operational AHMS Connection in Middle East
- CADAS ATS User Agent
 - 50 Terminals (throughout the UAE)
 - ROBEX
- Redundant FDPS
 - First OLDI Connection in Middle East
 - First RNP-1 Route in Middle East
- Redundant ARTAS Tracker
 - Fusion Tracking of Radars and ADS-B
- Non-Redundant Fallback Tracker
- Safety Net Function
 - Predictive Safety Nets STCA / MSAW / APW
 - Safety Awareness CLAM / HOLD
- Data Recording Sub-System
 - Data Recording
 - Screen Content
- Quadrant ADS-B/MLAT
- C-NMS
- Diversity Display System
- Remote OLDI Terminals at Abu Dhabi
- Advanced Arrival Sequence Managment (September 2009)





Memberships in International Organisations



ATCA

Air Traffic Control Association



CANSO

Civil Air Navigation Services Organisation



EUROCAE

European Organisation for Civil Aviation Equipment



IFAIMA

International Federation of Aeronautical Information Management Associations



OGC

Open Geospatial Consortium, Inc.





Memberships in Working Groups

ADS-B-SITF ADS-B Study and Implementation Task Force

AFSG

Aeronautical Fixed Services Group A sub-group of the European Air Navigation Planning Group (EANPG)

AUG ARTAS User Group

EUROCAE

Working Group 50, Sub-Group 4, Ground Recording Requirements

SPIN

Safety nets: Planning Implementation and eNhancement (Task Force)

RDEFG

Radar Data Exchange Focus Group

SUGCT

Surveillance User Group on Center Tools Eurocontrol EATMP working group

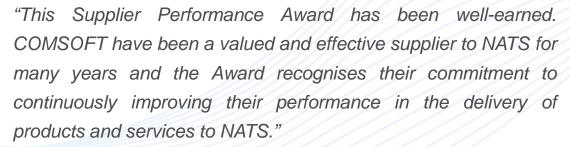
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COMSOFT & NATS - more than two decades of working relationship

- NATS and COMSOFT's bond stretches back to 1993 (UK-RADNET)
- Further successful projects over the last years: AMHS-UK,
 ERCAMS/GCAMS, first transatlantic AMHS connection to the USA
- April 2013: COMSOFT win prestigious
 NATS Supplier Performance Award



Tim Bullock, NATS Director of Supply Chain Management







COMSOFT Standards

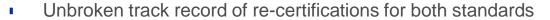






1993: issue of ISO 9001 certificate

2009: issue of ISO 14001 certificate







"A customer-focused and service-oriented approach lies at the heart of our philosophy. Safety and security are paramount in the solutions we provide to our customers."



Application of safety standard EUROCAE ED-153 (SWAL 3/4) in conjunction with EUROCONTROL Safety Assessment Methodology (SAM)



- 2011: certification of COMSOFT's IT Services "ARTAS Maintenance & Operational Support" according to ISO/IEC 20000-1
- 2012: issue of ISO 27001:2005 certificate for information security



Service Management

"Customer-focused and a service oriented approach lies at the heart of our philosophy."



Diversity



Our employees come from DIFFERENT COUNTRIES, like:



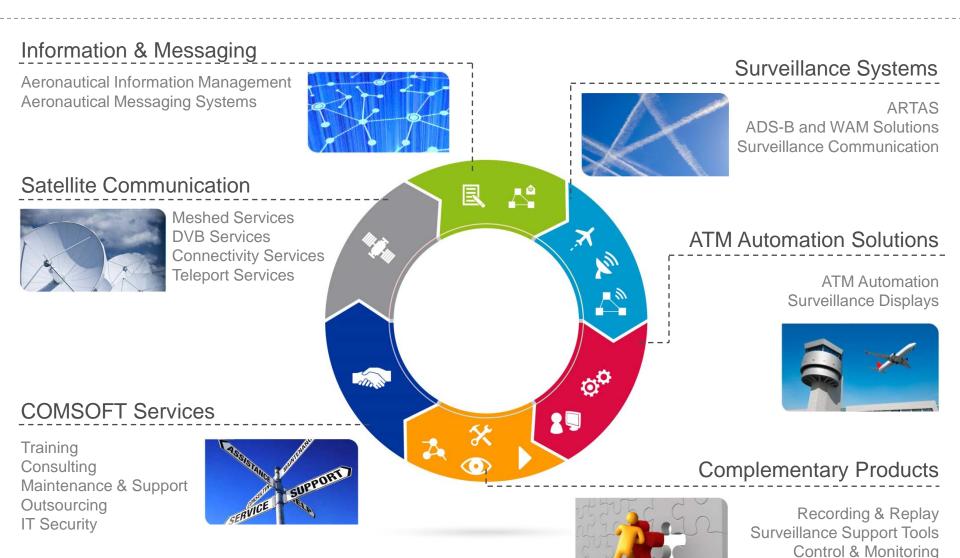
More than 25 LANGUAGES spoken





IT Infrastructure Solutions

COMSOFT – Your Integrated ATM Solutions Partner





COMSOFT – Your Integrated ATM Solutions Partner

"COMSOFT's product portfolio covers the entire chain of air traffic control and information management services."

