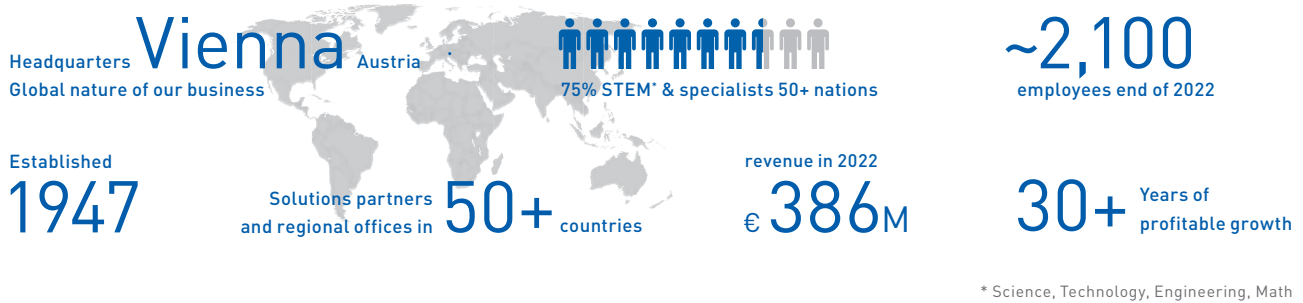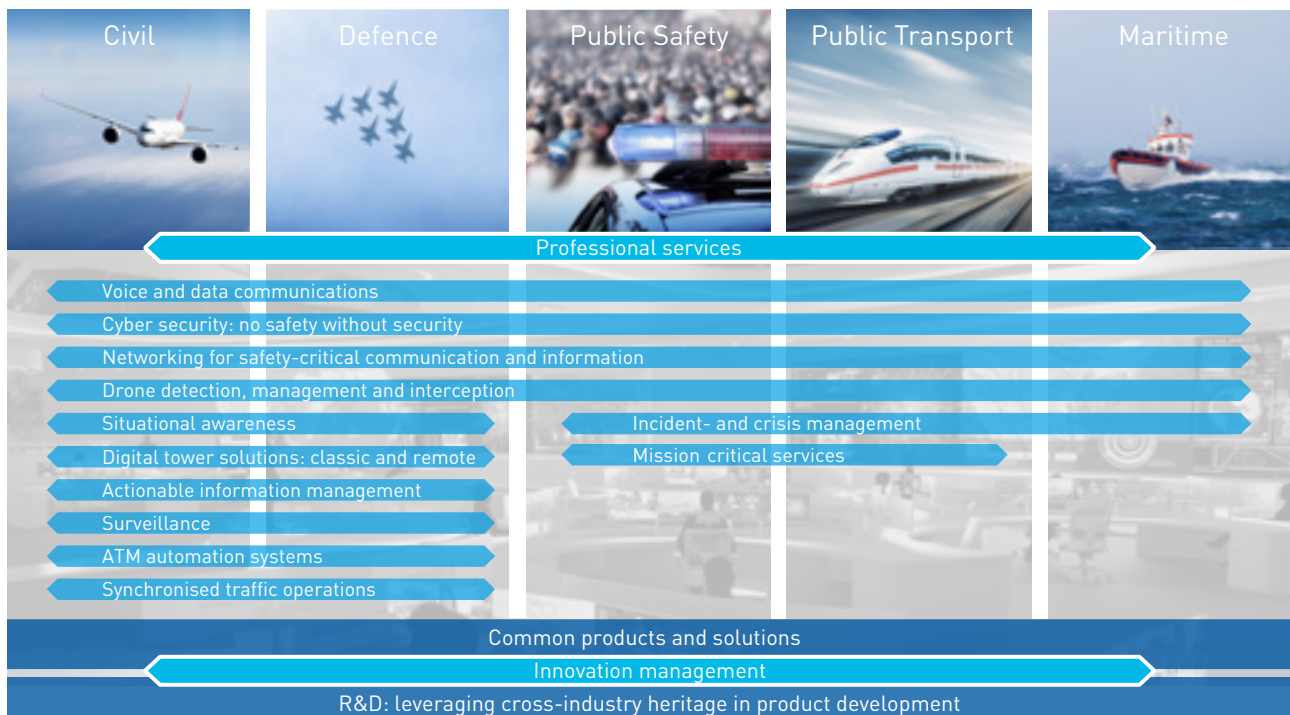# FREQUENTIS at a glance

Communication and information solutions
for a safer world

FREQUENTIS

Specialist for communication and information solutions for safety-critical control centres
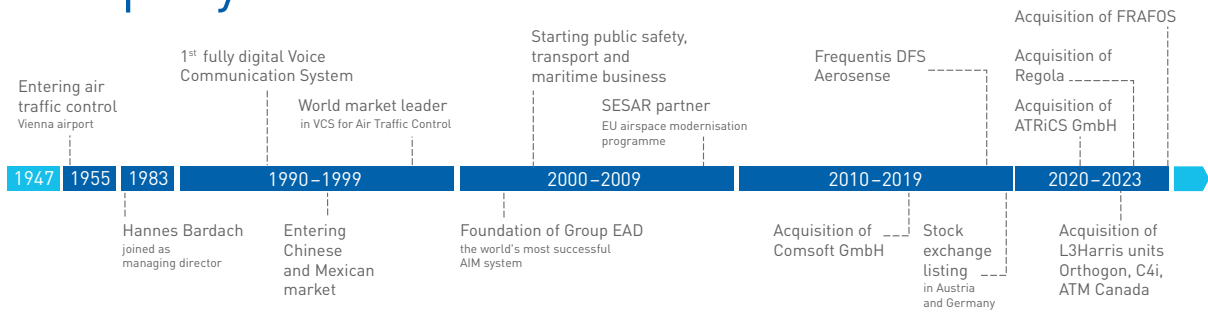
Safety-critical communication and information solutions from Frequentis leverage over 75 years of experience showcasing true leadership in this market. With deep cross-industry experience in civil aviation, defence, public safety, public transport and maritime markets built upon its initial control centre voice communications focus.

Headquarters **Vienna** Austria
Global nature of our business

75% STEM* & specialists 50+ nations

~2,100 employees end of 2022

Established
1947

Solutions partners and regional offices in **50+** countries

revenue in 2022
€ **386**M

30+ Years of profitable growth

* Science, Technology, Engineering, Math

75+ years of innovation in safety-critical solutions

| Civil | Defence | Public Safety | Public Transport | Maritime |

Professional services

Voice and data communications

Cyber security: no safety without security

Networking for safety-critical communication and information

Drone detection, management and interception

Situational awareness

Digital tower solutions: classic and remote

Actionable information management

Surveillance

ATM automation systems

Synchronised traffic operations

Incident- and crisis management

Mission critical services

Common products and solutions

Innovation management

R&D: leveraging cross-industry heritage in product development

Company milestones

Acquisition of FRAFOS

Acquisition of Regola

Acquisition of ATRiCS GmbH

1st fully digital Voice Communication System

Starting public safety, transport and maritime business

Frequentis DFS Aerosense

Entering air traffic control
Vienna airport

World market leader in VCS for Air Traffic Control

SESAR partner
EU airspace modernisation programme

| 1947 | 1955 | 1983 | 1990–1999 | 2000–2009 | 2010–2019 | 2020–2023 |

Hannes Bardach
joined as managing director

Entering Chinese and Mexican market

Foundation of Group EAD
the world's most successful AIM system

Acquisition of Comsoft GmbH

Stock exchange listing
in Austria and Germany

Acquisition of L3Harris units Orthogon, C4i, ATM Canada

Sustainable growth for more than 30 years
Revenue, employees, and lighthouse projects

1) Average 2022, in full-time equivalents (FTE); 2) Deutsche Flugsicherung 3) London Area Control Centre, operated by NATS

(as of: 4/2023)
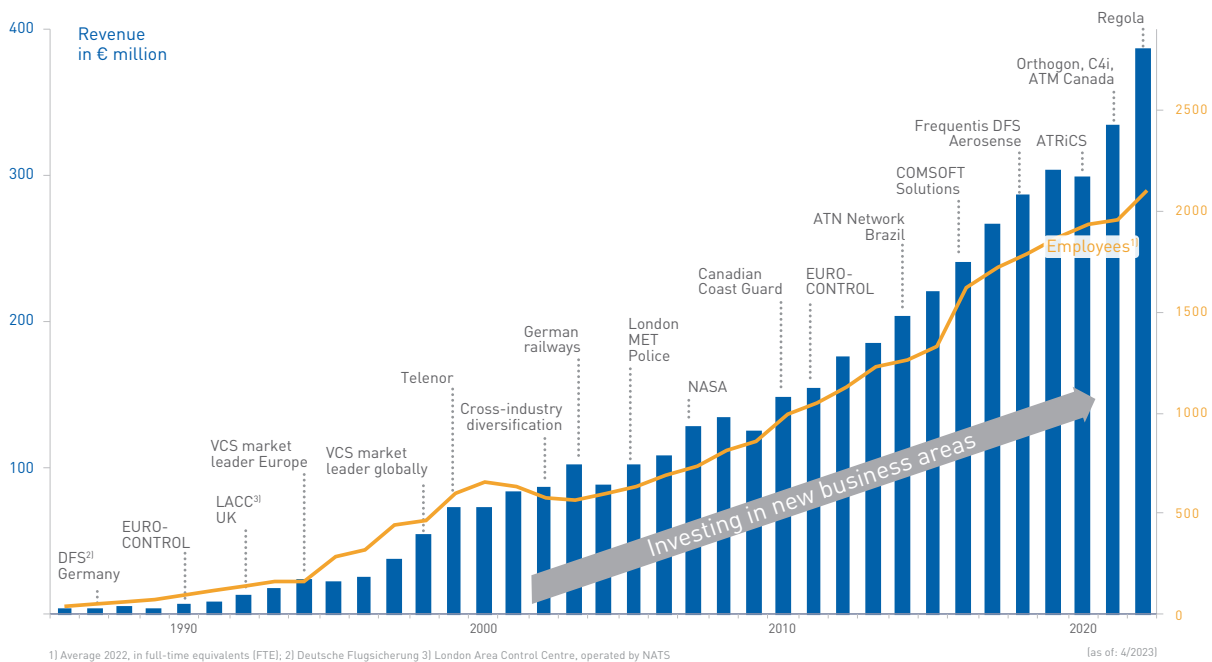
Group structure

FREQUENTIS AG, Austria			
Regional Sales & Operations	Products, Sales & Operations	Group Services	Special Purpose or Minority Shareholdings
Europe Frequentis Deutschland, Germany	ATRiCS, Germany, 51%	Frequentis Czech Republic	AIRlabs Austria, 18%
Frequentis France	CNS-Solutions & Support, Austria	Frequentis Romania	Aviamaps, Finland, 25%
Frequentis Norway	ELARA Leitstellentechnik, Germany, 51%	Frequentis Solutions & Services, Slovakia	FRAFOS, Germany, 77%
Frequentis UK	Frequentis Comsoft, Germany	PDTS, Austria	Frequentis DFS Aerosense, Austria, 70%
	Frequentis Orthogon, Germany		Frequentis Invest4Tech, Austria
	Regola, Italy, 51%		GroupEAD Europe, Spain, 28%
			Mission Embedded, Austria, 20%
			Nemergent Solutions, Spain, 15%
			Secure Service Provision, Germany, 80%
			Systems Interface, UK, 51%
			team Technology Management, Austria, 51%
Australia/Asia Frequentis Australasia, Australia	C4i, Australia	AIRNAV Technology Services, Philippines, 65%	
Frequentis Middle East, UAE			
Frequentis Shanghai, China			
Frequentis Singapore			
Americas Frequentis Brazil	Frequentis California, USA		
Frequentis Canada			
Frequentis Defense, USA			
Frequentis USA			

Simplified visualisation; all shareholdings 100% unless otherwise stated. Company names abbreviated. As at March 2023.

Frequentis at a glance

Selected projects

The company's products and solutions equip more than 45,000 operator working positions in over 150 countries.

Air traffic management   **Defence**

Ciscea, Brazil Nationwide ATM-grade network incl SDDS-NG & NetBroker; remote digital tower.

DFS, German Air Traffic Control VCS in ACC, APP and towers; Divos, VCX, radar transmissons, RAPS; remote digital tower; SDDS-NG, AIDA-NG.

Federal Aviation Administration/ National Aeronautics and Space Adminsitration, USA Largest air traffic control VCS rollout program in the world. Mission Operations Voice Enhancement (MOVE) program.

Eurocontrol Largest AIM system worldwide, shared by 50+ ANSPs and 300+ organisations, ARTAS service.

AirNAV, Indonesia Full ATM automation system at Indonesia's main hub.

Airservices Australia Key technology partner OneSKY communication and airfield management.

US Department of Defence Remote digital tower technology capability assessment for usage for military ATC. Shipboard ATC voice and mission critical communication systems for the US Navy. ATC voice communication systems for the US Army.

German Armed Forces Major supplier for voice communication in military ATC, air defence and search and rescue.

Public safety

Fire Brigades and Police Hamburg, Germany Data-center hosted 3020 LifeX communication platform serving control rooms of fire brigades and police.

**London Metropolitan Police Service, UK** Largest single command and control operation in Europe.

Police North Rhine-Westphalia, Germany Modernisation and standardisation of control centre technology.

Airservices Australia 3020 LifeX mission-critical multimedia communication and OnSite incident and resource management platform for Aviation Rescue Fire Fighting Service across 27 airport airport fire fighting control centres.

Public transport

Swiss Federal Railways First georedundant solution for nationwide implementation.
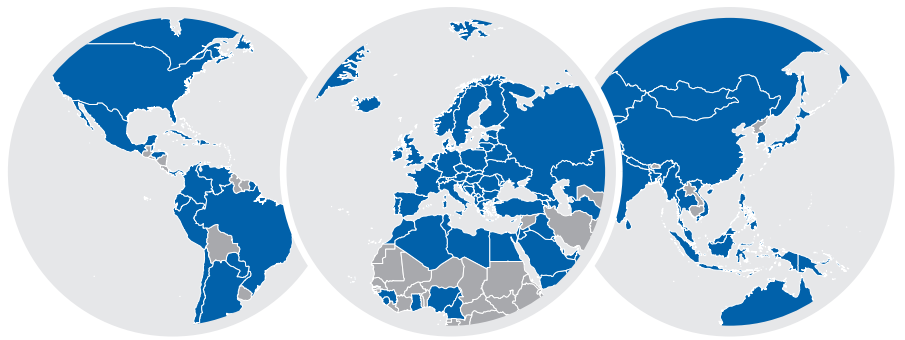
German Federal Railways First nationwide GSM-R implementation in Europe with more than 2,400 DICORA dispatcher terminals.

Network Rail, UK Countrywide GSM-R system.

Sydney Trains Incident Management solution consolidating disparate processes within a single tool increasing efficiency in the centralised Rail Operations Centre.

Maritime

Canadian Coast Guard Nationwide system covering 240,000 km – the largest coastline globally.

Maritime Port Authority, Singapore Maritime communication system for two vessel traffic centres of the world's busiest port.

Telenor Kystradio, Norway New Norwegian Coastal Radio (NCR2).

Australian Maritime Safety Authority Global maritime distress and safety system.

Awards

1995	First Place EU-Export-Award; Euro Market Award
1998	Kaplan Medal Award (for the most innovative company)
1999	ATCA Chairman's Citation of Merit Award
2001	Hermes Award for outstanding entrepreneurial performance; Winner of the Mercur Award for Innovation (DSC Analyser)
2003	Nominated for the Adolf Loos Design Award (smartStrips)
2004	ATC Maastricht Award for Innovation (Aircraft Identification Tag); Second Place EEEfCOM German Innovation Award (Airbox)
2006	Viennovation – Award of Innovation, 3rd price (Security Improvement in ATM)
2007	MCA Management Technology Award for UCMP; Multimedia State Award (Category e-marketing and company presentation)
2009	"Deeds, no Words" Award for women and family friendly measures
2011	NASA Commemorative Medal
2015	Winner of the Austrian Export Award; Winner SESAR SWIM Master Class

2016	Winner IFATCA Technical Award, smartSTRIPS electronic flight strips; International Critical Communications Award, Best use of TETRA for Public Safety (G7 summit, Bavarian Police)
2017	IHS Jane's ATC Technology Award; ATCA Award (FAA VCS and first Remote Virtual Tower for DFS in Germany)
2018	NATS Collaborative Supplier Award
2019	IHS Jane's Technology Award
2020	European Small and Mid-Cap Awards: Star of Innovation
2020	ATM Award: ATM/UTM Integration
2021	Maverick Sustainability Award: AMAN system
2022	Critical Communication Award in the category "Control Room Innovation"; Vienna Stock Exchange Mid Cap Award; silver award from EcoVadis confirming sustainable corporate governance
2023	Frequentis and Avinor win the "Overall Excellence" Air Traffic Management Award for demonstrating safe operation of drones and air ambulance

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