Olivier Perrin
SAQ, Payerne, 31.05.2023

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Inn tive

What are Skyguide's main tasks?

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- Prevent collisions
- Ensure traffic efficiency
- Information for flight crews
- Alerting rescue services

What are the different air traffic control services?

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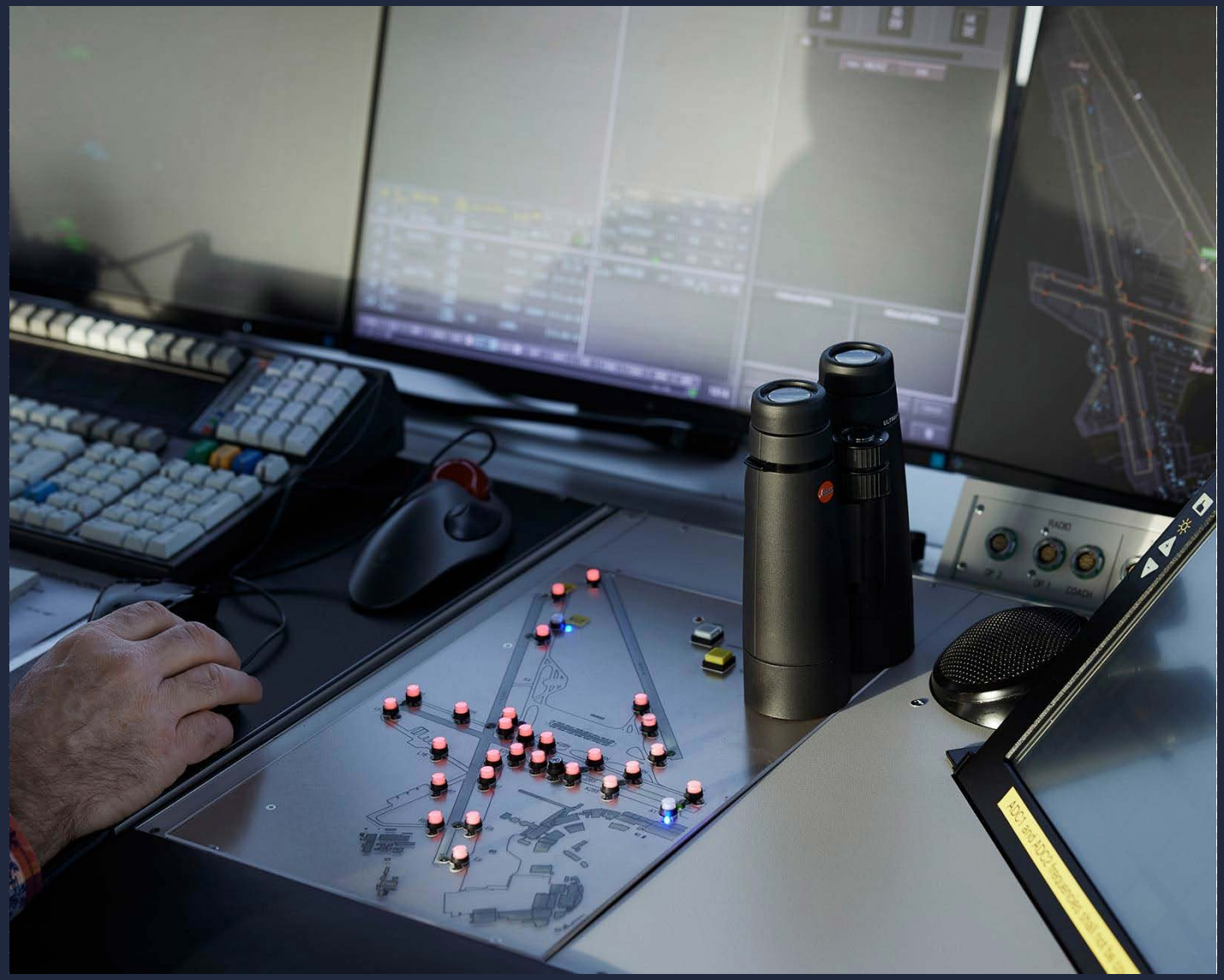
- ACC – Area Control Centre
  En-route
- APP – Approach
  Take-off and landing phases
- TWR – Tower
  Local control of aerodromes during take-off and landing phases
- ADDC – Air Defence and Direction Centre
  Military air traffic control



What is the mandate of the Swiss Air Force?

- Military air traffic control 7/24h, 365 days since 2021
- Safeguarding air sovereignty
- Air reconnaissance and air transport
- Air Traffic Controller training

What are the tasks of military air traffic control?

- Tower / Approach Control of military aerodromes
- Implementation of tactical air battles by fighter controller
- Provide air situation picture and recognized Air Picture
- Support the Swiss Air Force through air defence training («Defensive Counter Air»)

How is Skyguide financed?

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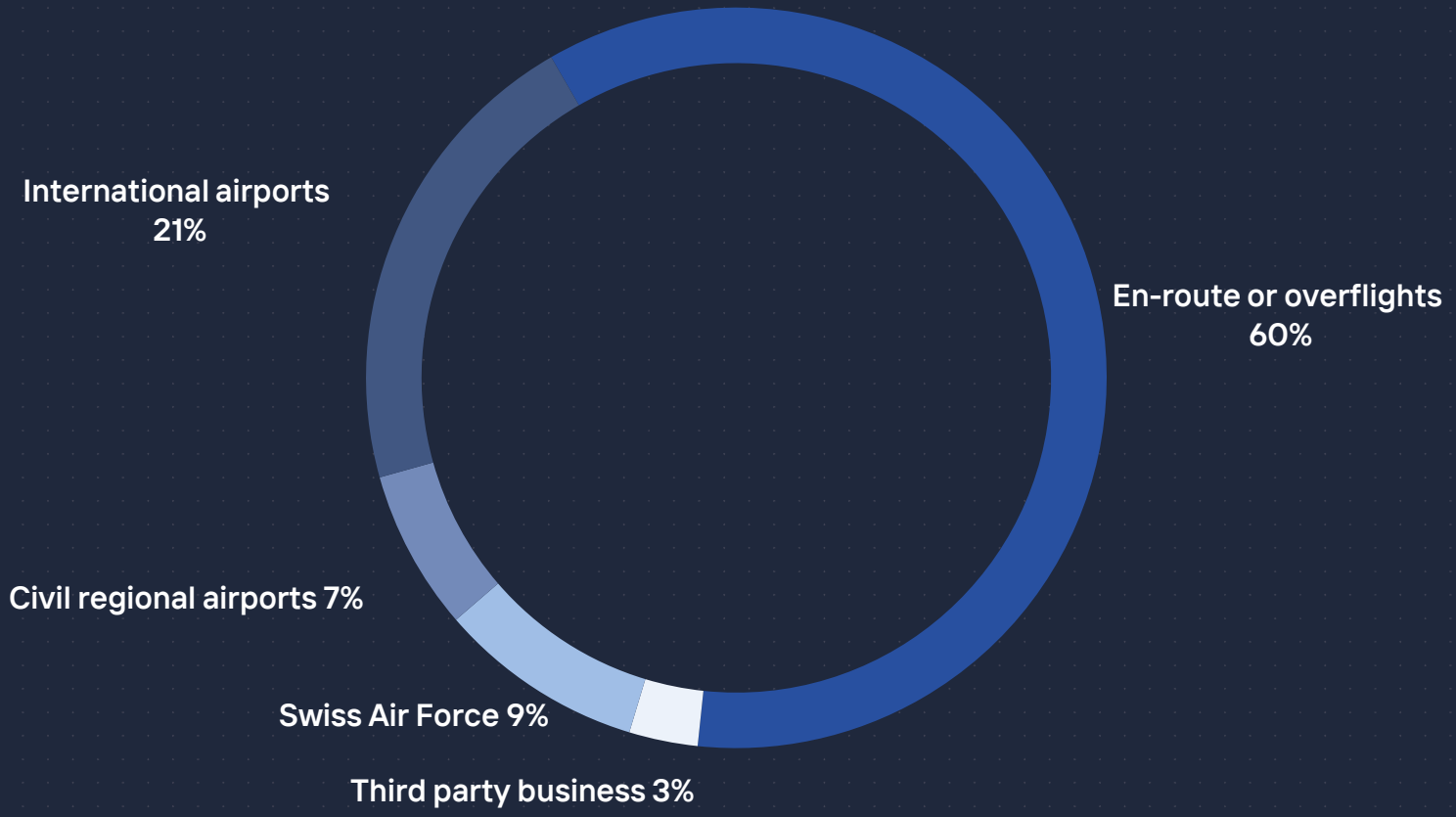

What is the traffic volume in the Swiss node?

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Flights per year 2022
~ **1 147 007 (2019 ~ 1.3 Mio)**

Landing and take-off
Zürich und Geneva 2022
~ **420 517 (2019 ~ 450 000)**

Military flights 2022
~ **88 154 (2019 ~ 95 000)**

Sites

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What are the key-milestones

1922
Foundation of the radio station Marconi AG

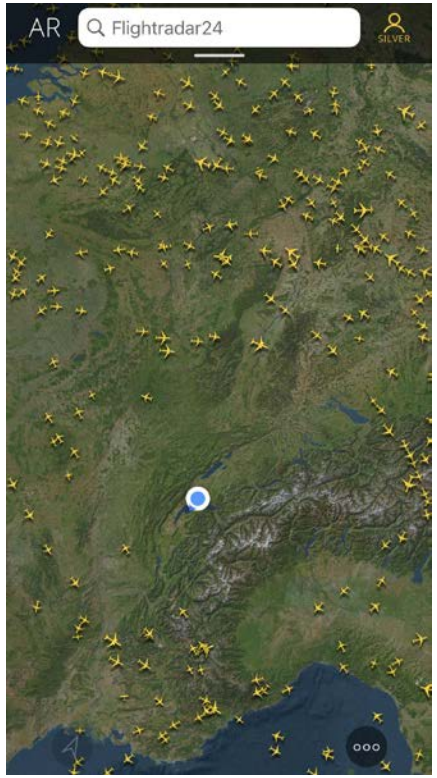
1928
Marconi AG changes its name to
Radio-Schweiz AG

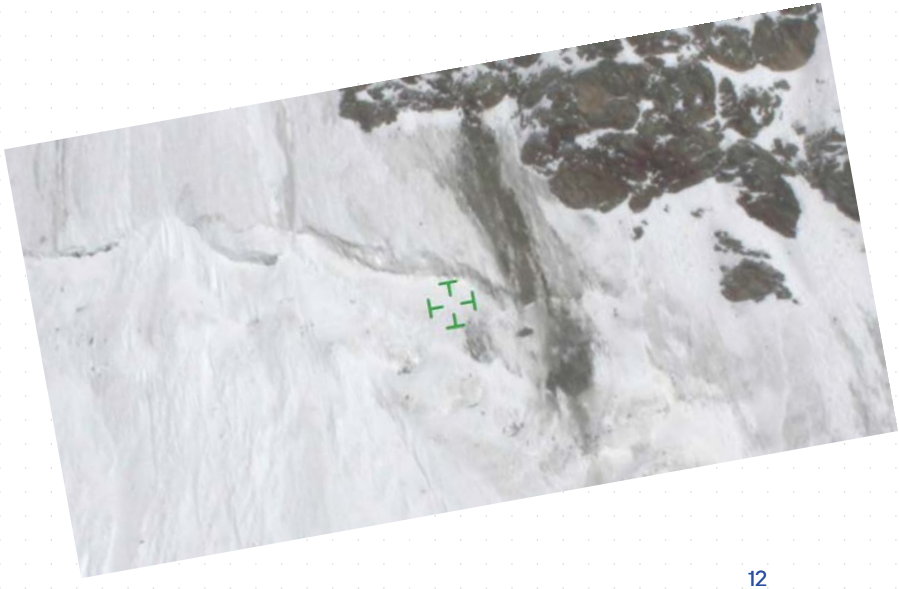
1931
Air traffic control on behalf of the Swiss Confederation

1988
Foundation of Swisscontrol

2001
Integration of military air navigation services:
Swisscontrol becomes Skyguide

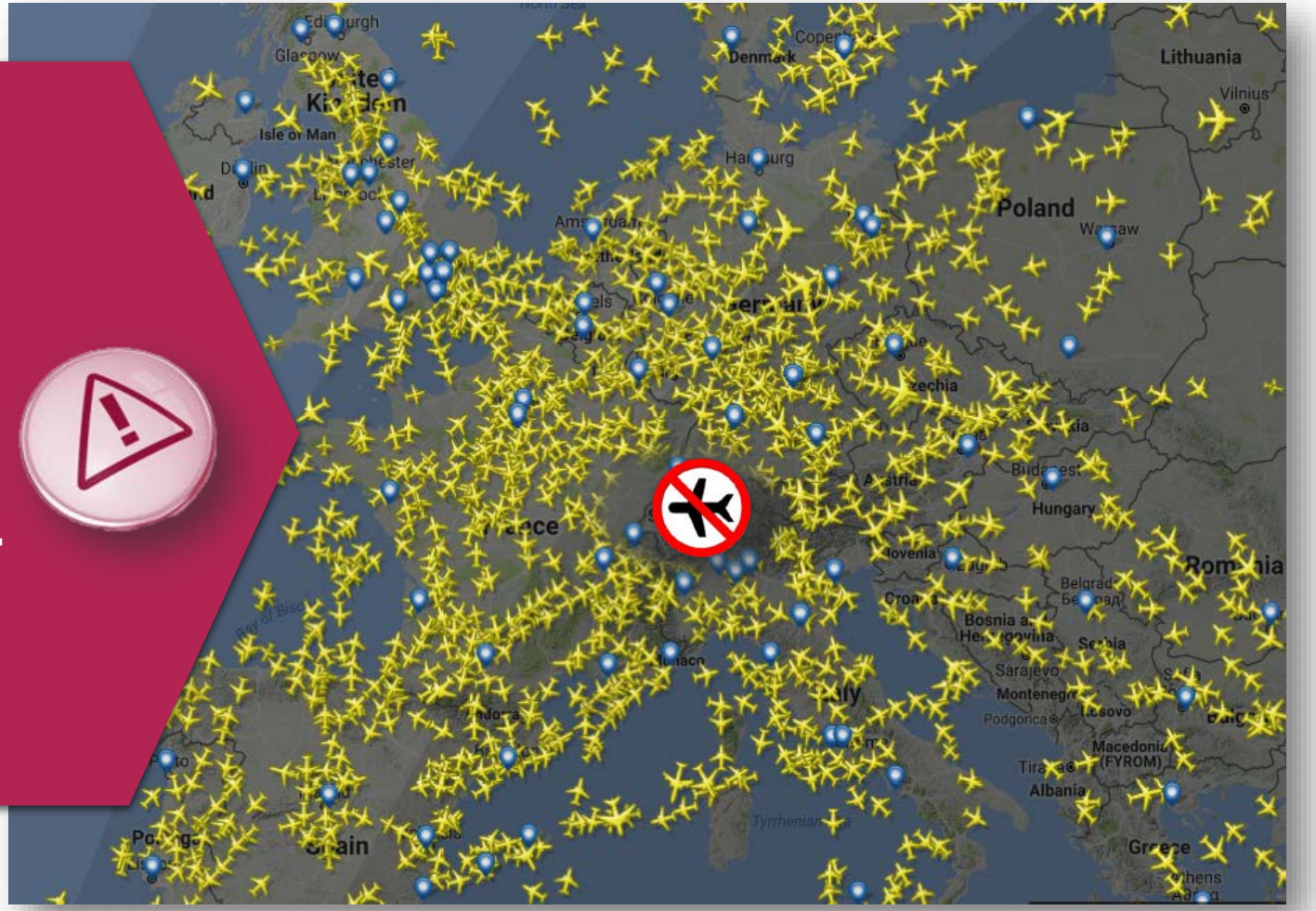
Crisis Management @ Skyguide


AR
Flightradar24
SILVER



- Terror Attack
- Accident
- Earthquake
- Flooding
- Power Outage
- Technical Incident
- Sabotage
- Bomb Threat
- Social Action
- Cyber Attack
- Pandemic
- Fire & Gas
- Other

Disruptive Event

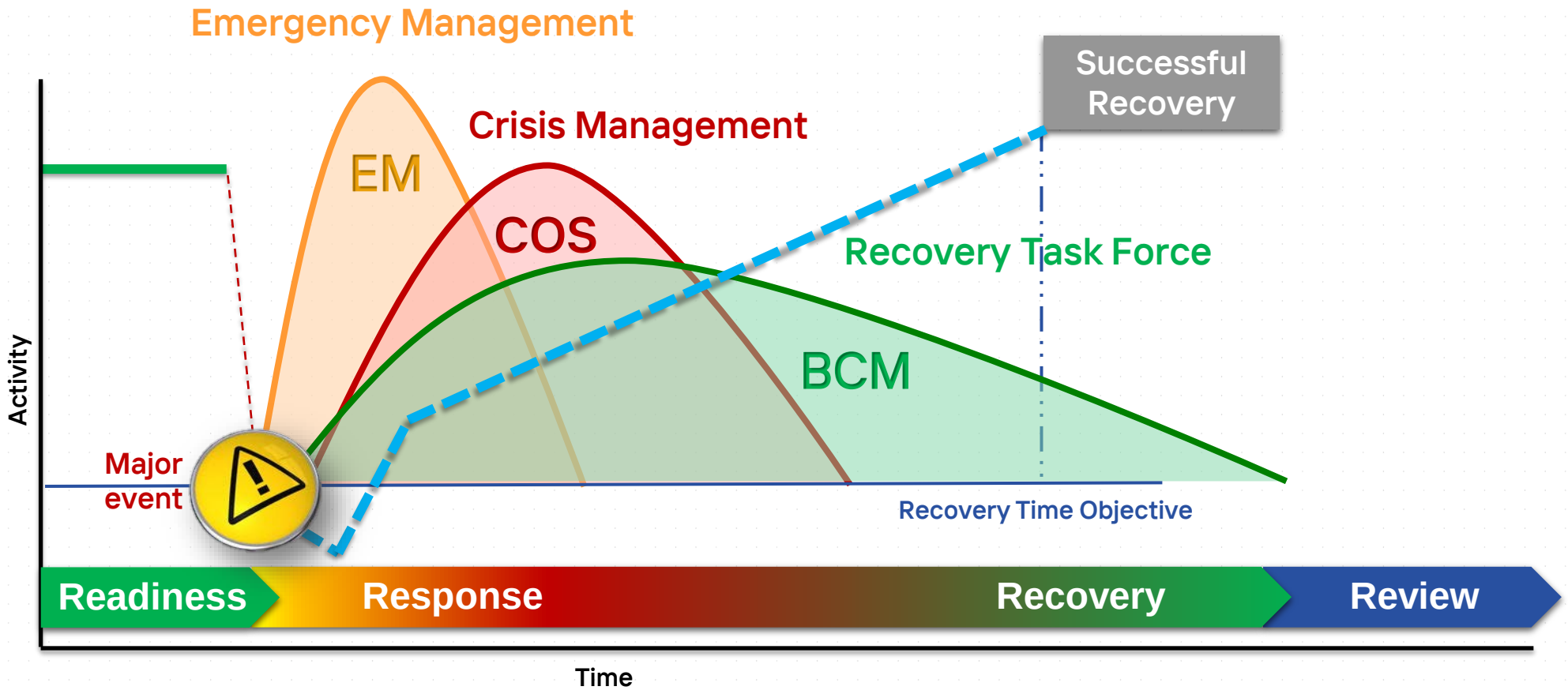


Assure a quick reaction to any crisis or extraordinary event and maintain a safe provisioning of all ATC services

Guarantee the **mobilisation** of the crisis staff at any time

Enable a well structured, objective-oriented **crisis management**

Have good command of **communication** in crisis situations


Emergency Management
Crisis Management
EM
COS
BCM
Successful Recovery
Recovery Task Force
Major event
Recovery Time Objective
Activity
Readiness
Response
Recovery
Review
Time

Alerting

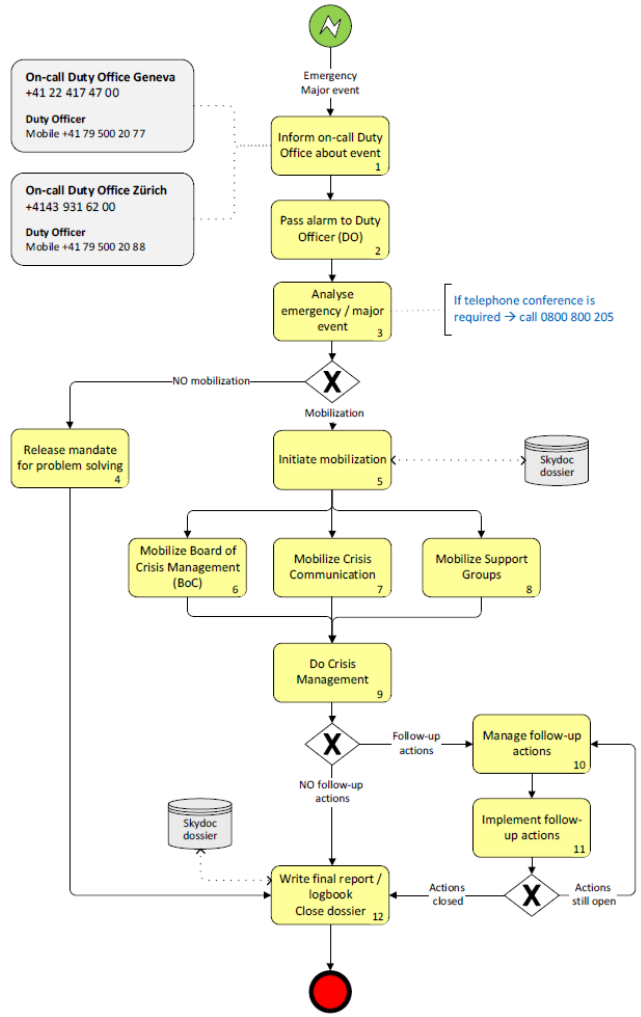
Inform Duty Officer | Analyze Extraordinary Event

Mobilization

Initiate Mobilization | Mandate Problem Solving

Crisis Management

Do Crisis Management | Manage Follow-up Actions



Com Center
SPVR AIM
Duty Officer GVA
Duty Officer ZRH
Crisis Manager
4 Chief of Staff GVA
4 Chief of Staff ZRH
Crisis Communication Cell
BoC Board of Crisis Management
Support Group GVA & ZRH

SHOCKWAVES
COS Mini Exercise 2022

PANDORAS CLOCK
COS Mini Exercise 2022
MALWARE

ARMAGEDDON
COS Mini Exercise 2022

BLACKOUT
COS Mini Exercise 2022

MELTDOWN
COS Mini Exercise 2022

OFF COURSE
COS Mini Exercise 2022

LOST CAUSE
COS Mini Exercise 2022

UNSTOPPABLE
COS Mini Exercise 2022

INFERNO
COS Mini Exercise 2022

WITHOUT WARNING
COS Mini Exercise 2022

THE LAST STAND
COS Mini Exercise 2022

DEEP IMPACT
COS Mini Exercise 2022

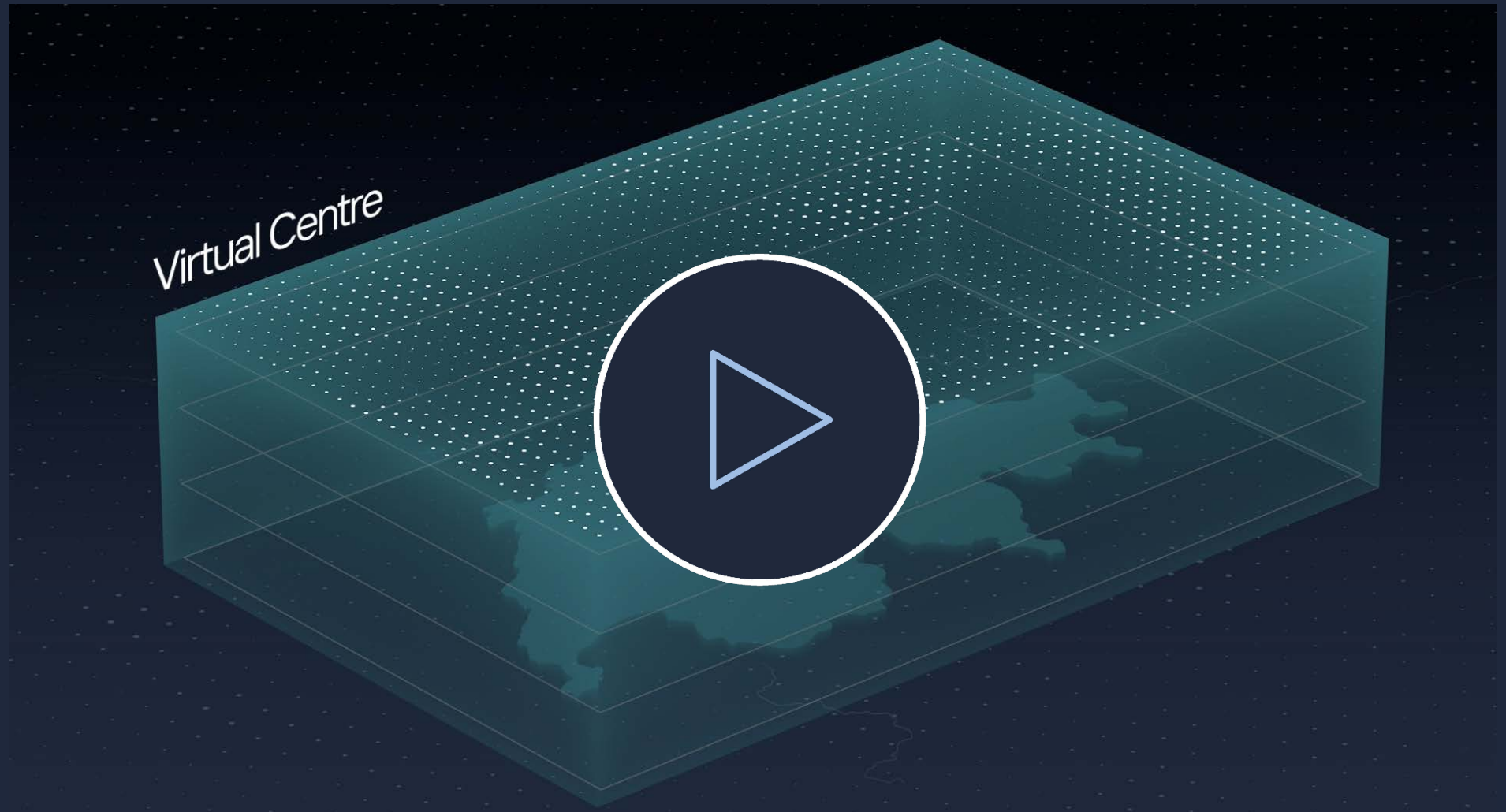
Innovation **strategy**

Vision 2035

- Location-independent operations, in CH and abroad
- From assets to services
- System Switzerland: complementary civ/mil systems
- Drone disruptors lead the digitisation revolution
- From controlling to air traffic management

Strategy

- Efficiently managing the airspace
- Agility of structure for cost
- Shape regulatory and institutional framework
- Creating new business
- Workforce of tomorrow


Virtual Centre

Fragmented airspace and air traffic management in Europe is inflexible and inefficient

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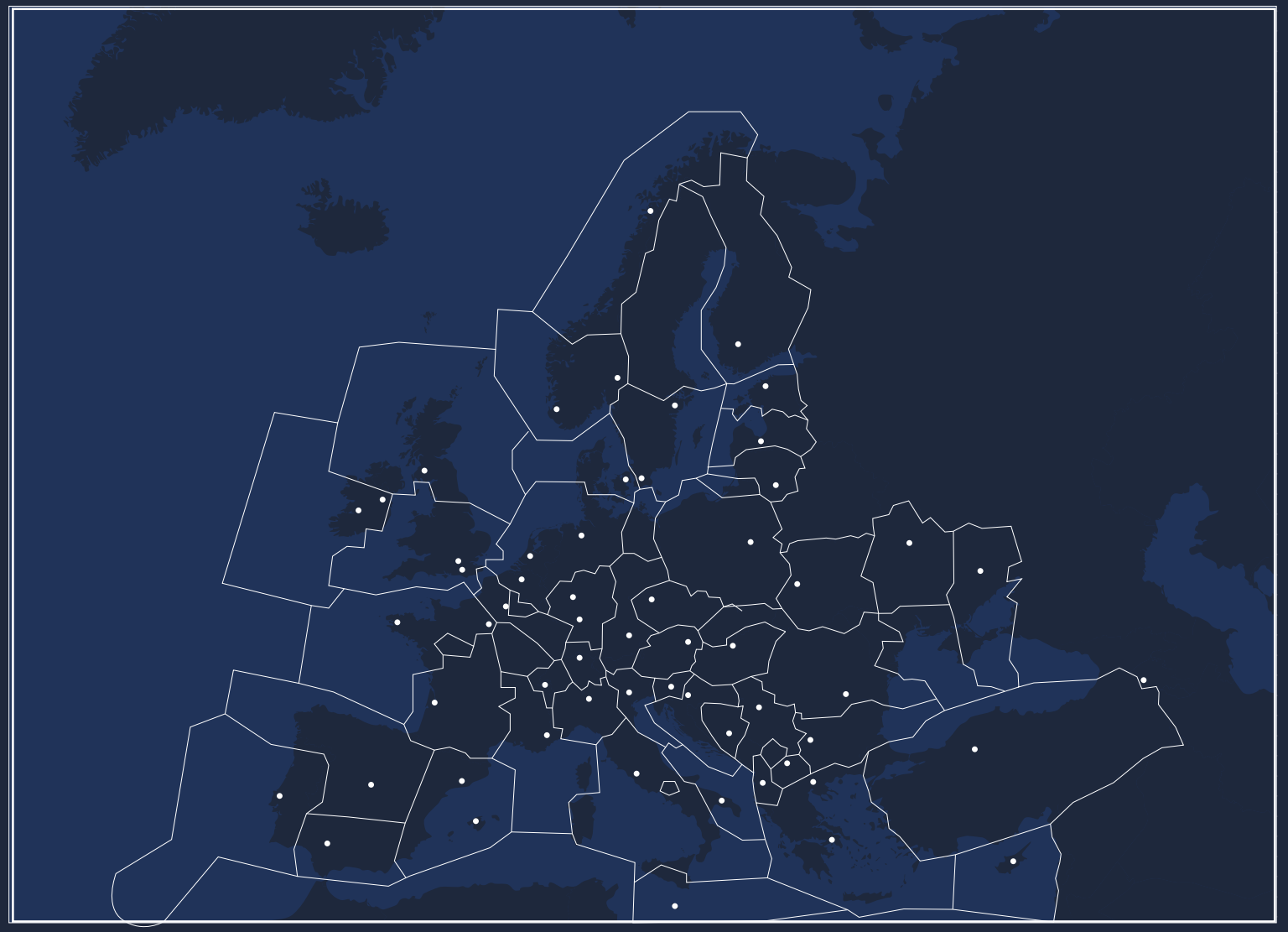

The Virtual Centre already provides and will continue to provide benefits

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VCT1

VCT2

VC touchdown

2014

2016–2017

2021-2022

2027

Setting the scene

Creating the foundations

Harvesting operational benefits

We improve our operations to cope with increasing traffic demand and customer needs while ensuring service quality

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One Swiss-wide flexible airspace

Improved Air Traffic Flow and Capacity Management

Digitalisation and Automation

Thank you for your attention