

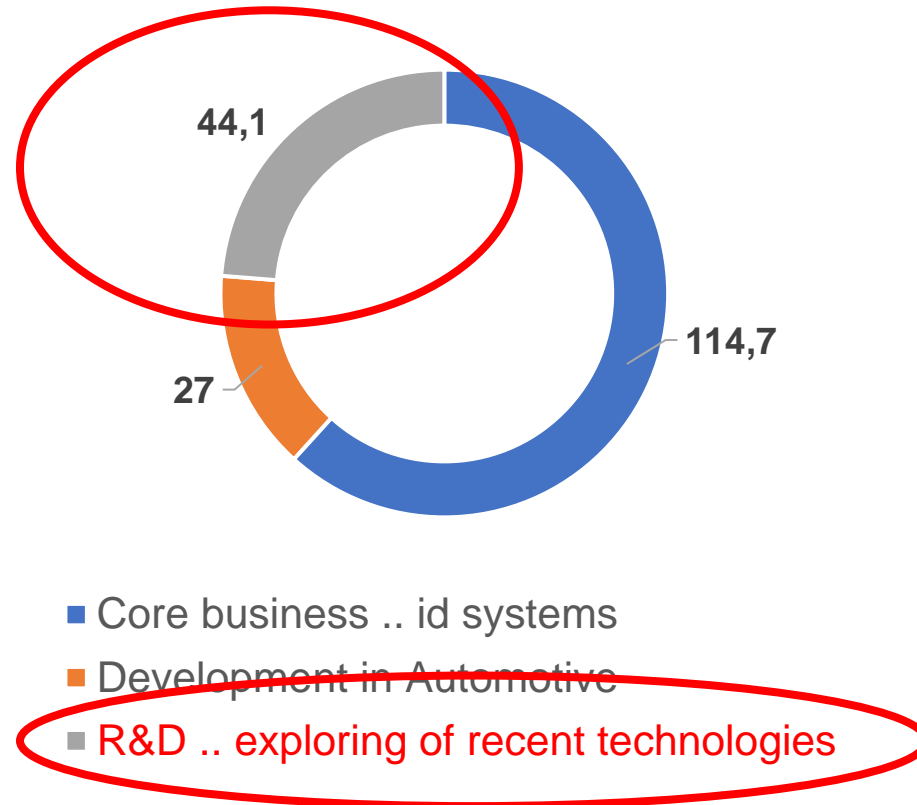
A note on R&D commercialization

Tomáš Trpišovský



LandscapE of IMA activities in 2023

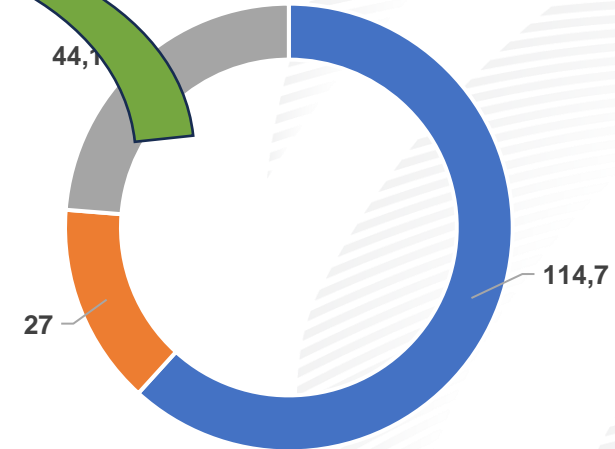
Revenue split [mil CZK]



How to strengthen commercialization?



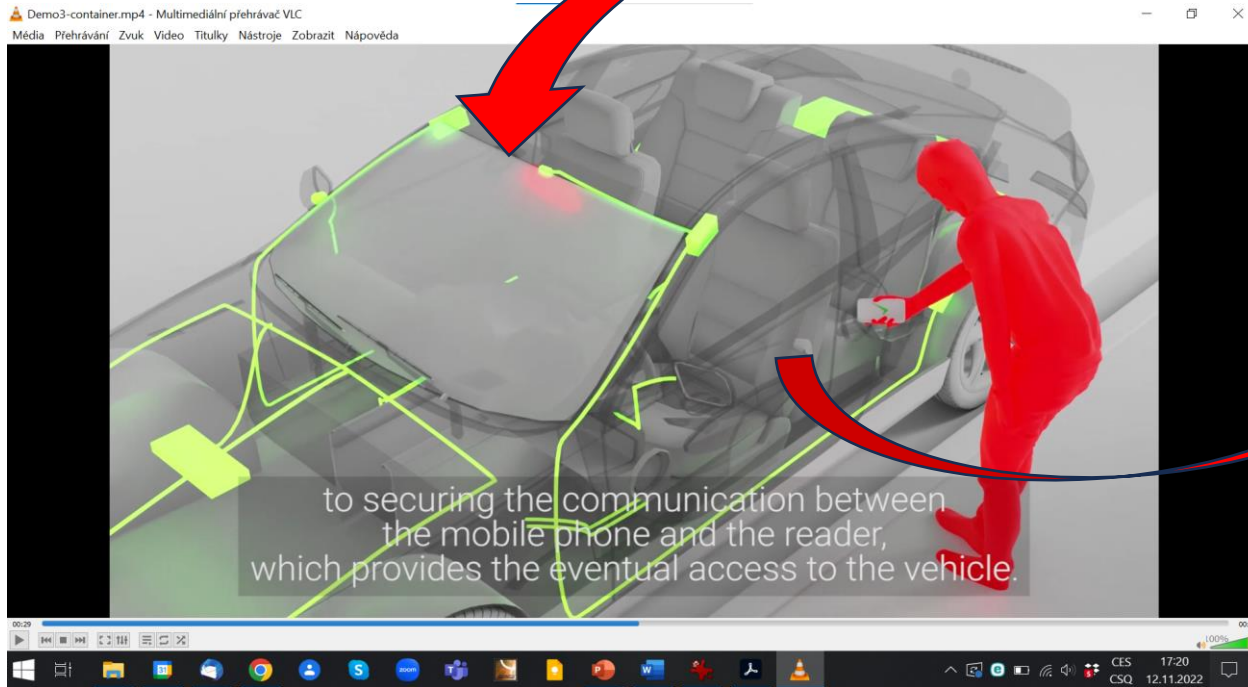
Revenue split [mil CZK]



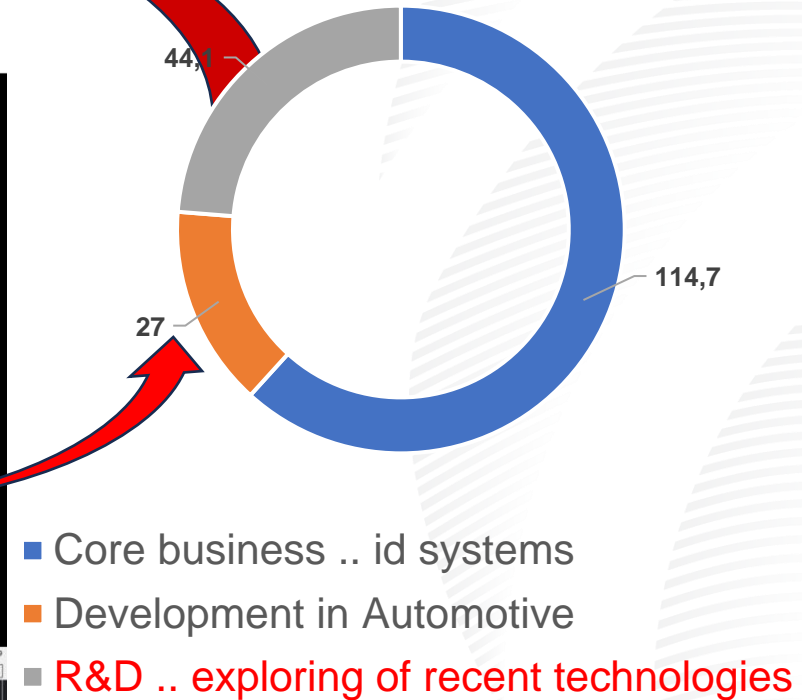
- Core business .. id systems
- Development in Automotive
- R&D .. exploring of recent technologies



Pave the way to novelties ...



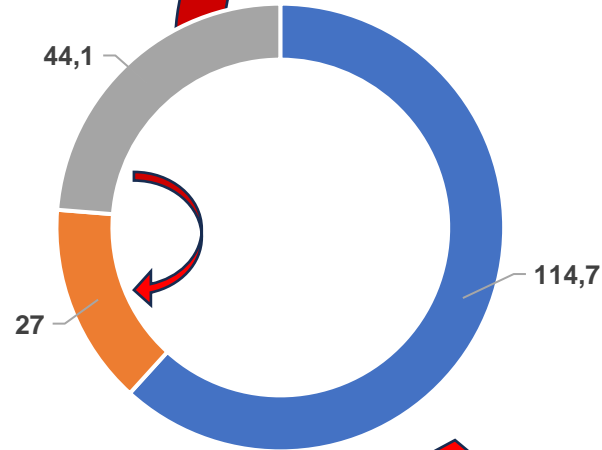
Revenue split [mil CZK]



✓ ... or support IMA core business through synergy



Revenue split [mil CZK]



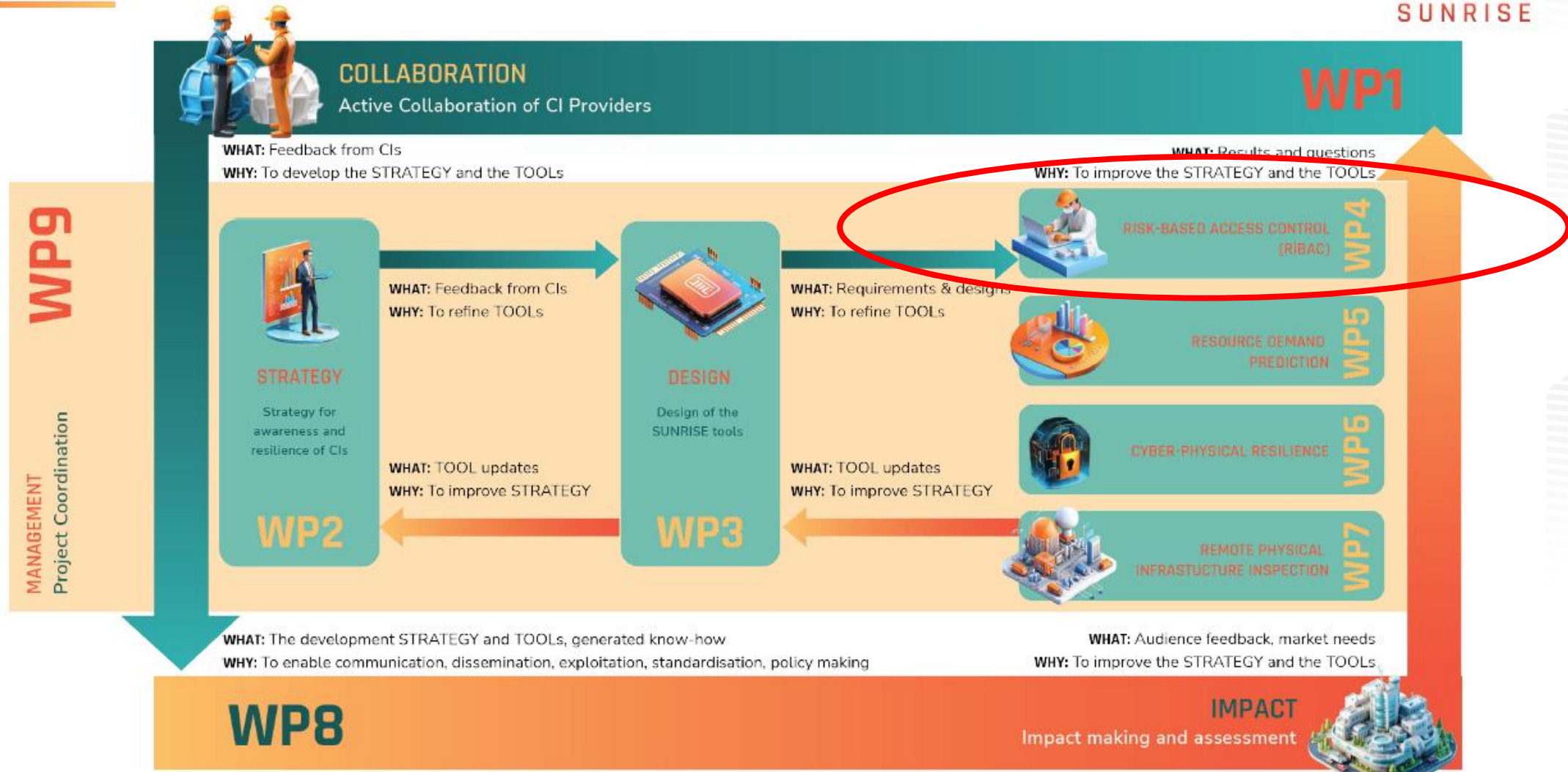
- Core business .. id systems
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RiBAC



Horizon IA SUNRISE - Strategies and Technologies for United and Resilient Critical Infrastructures and Vital Services in Pandemic- Stricken Europe

SUNRISE



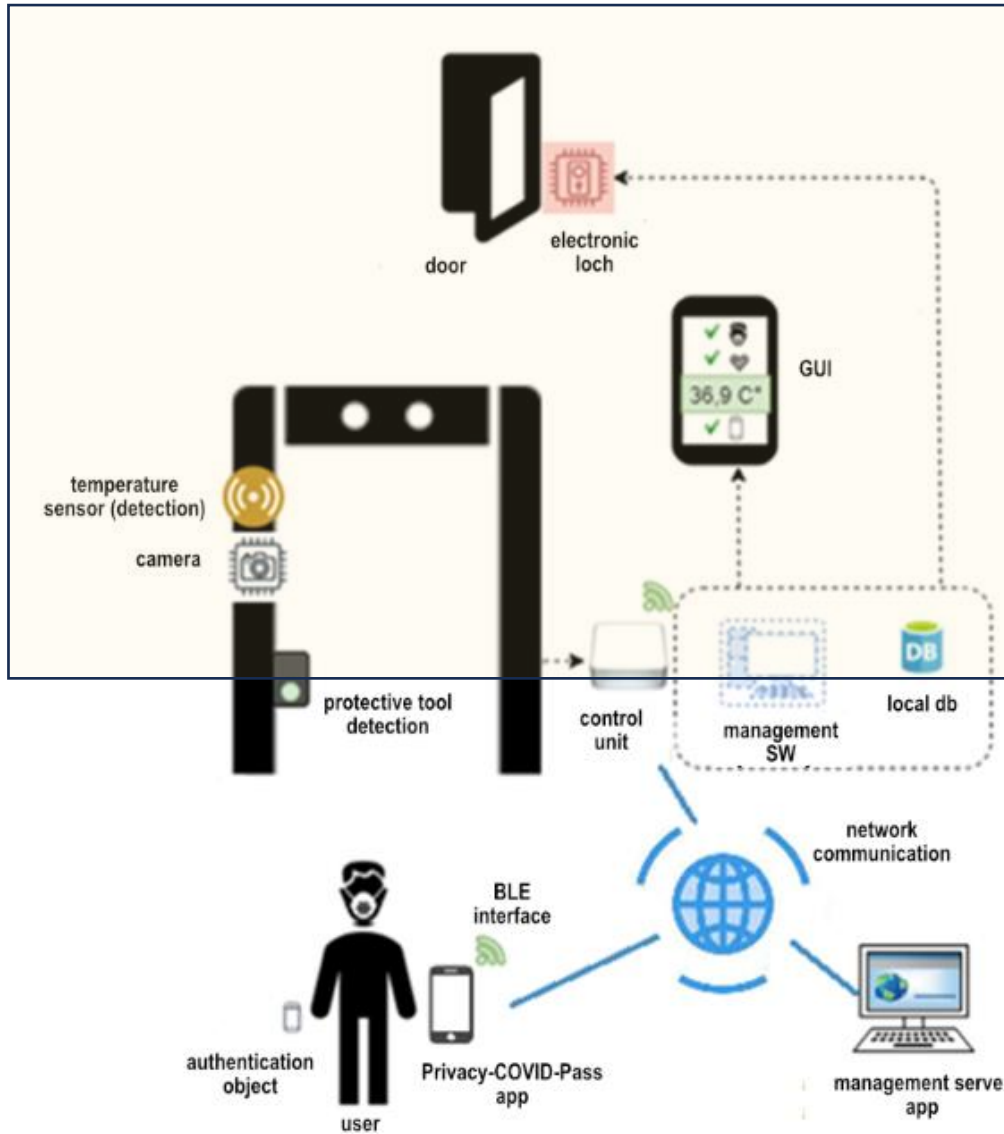
RiBAC Concept



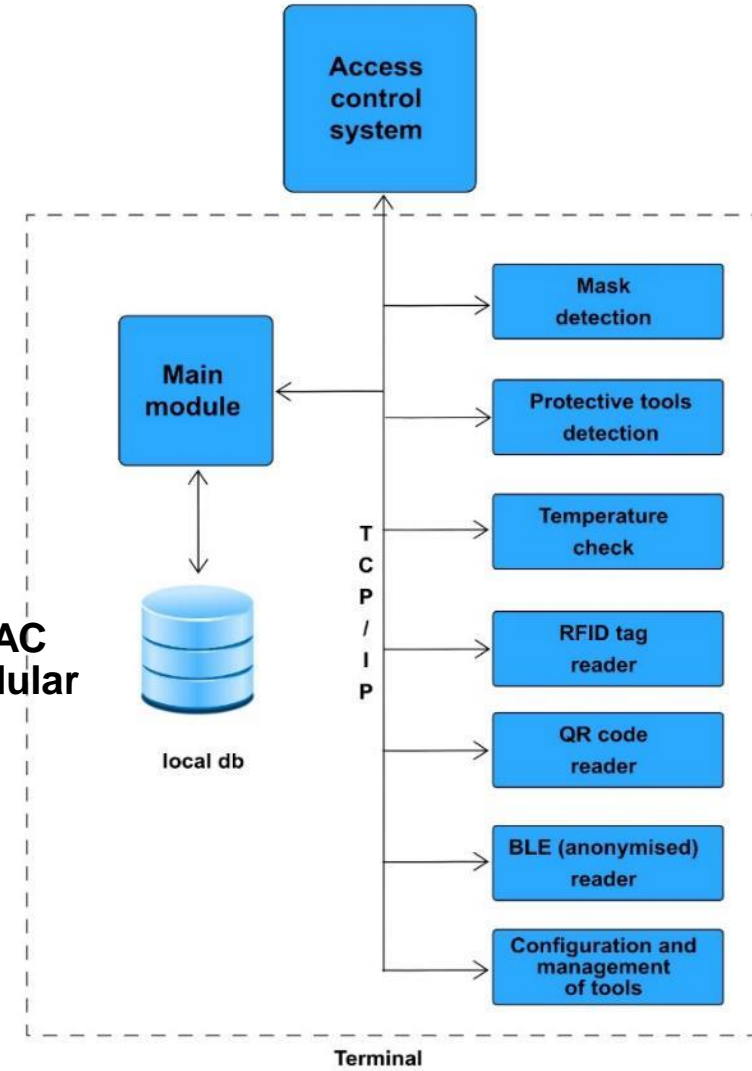
- + **Modular solution** for integration into existing physical access control solutions.
- + **Both scenarios** for **closed CI** with access for employees only, so as **open CI** accessed by everyone (hospitals, public transport, universities etc.).
- + Basic building blocks: **IDM server, Mobile app** and **HW accessory / readers**.
- + RiBAC will use selected results of previous SACON, CyberSec4Europe, CREDENTIAL and ADOPSIO projects.
- + New element: **European Digital COVID Certificate - EUDCC**



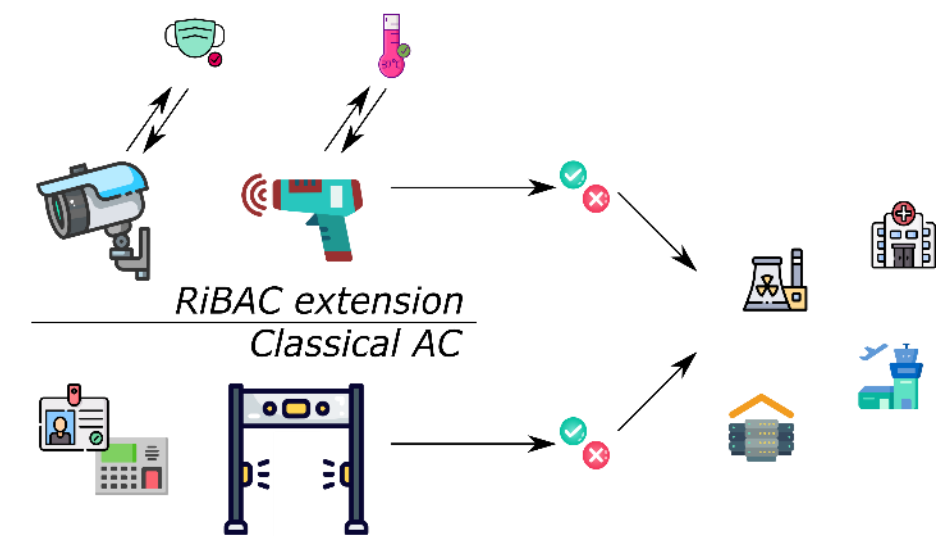
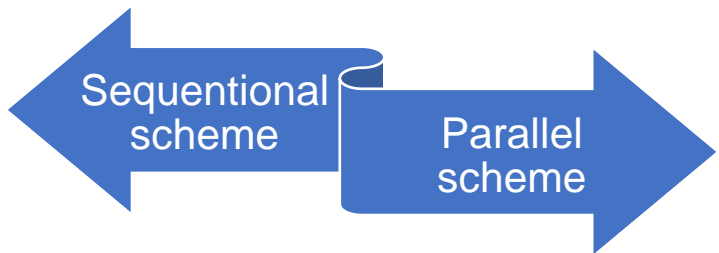
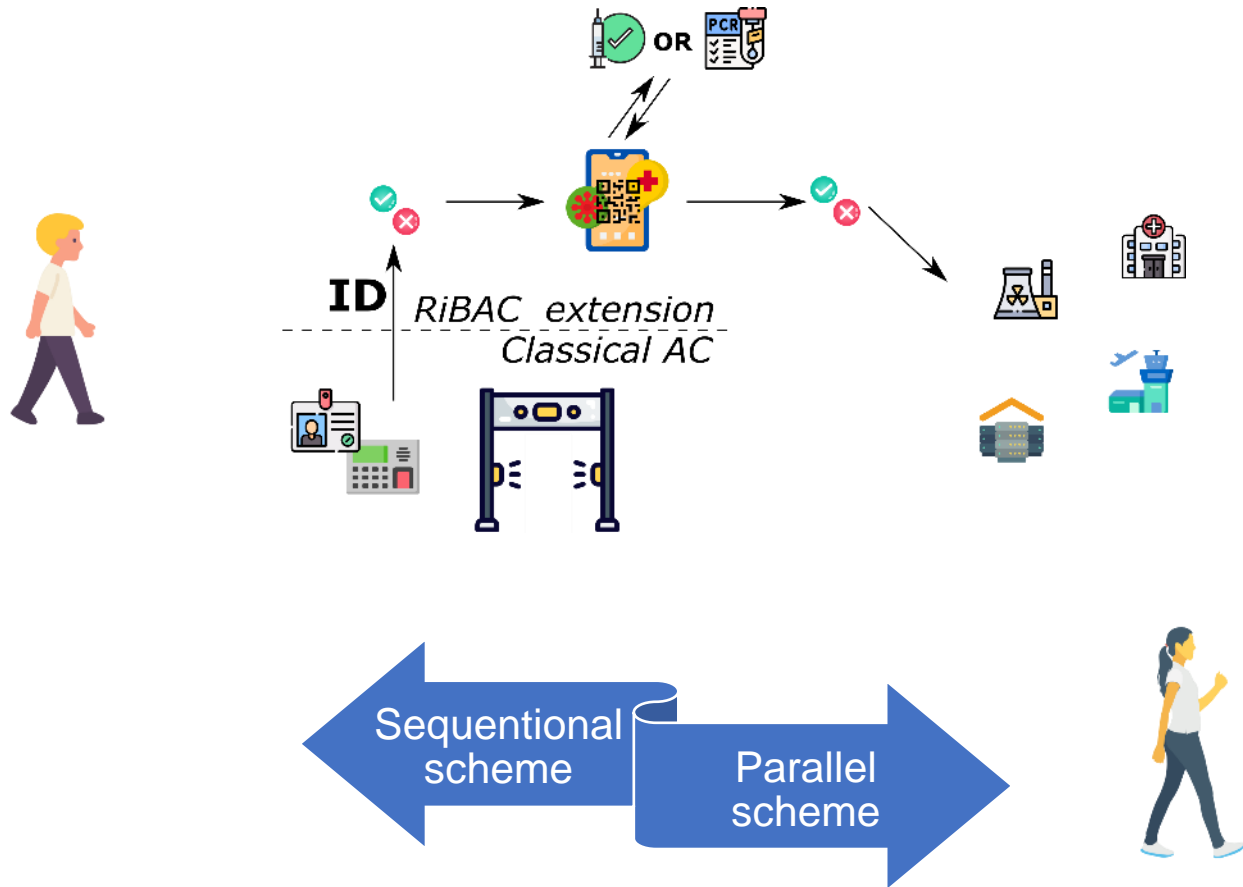
RiBAC Architecture



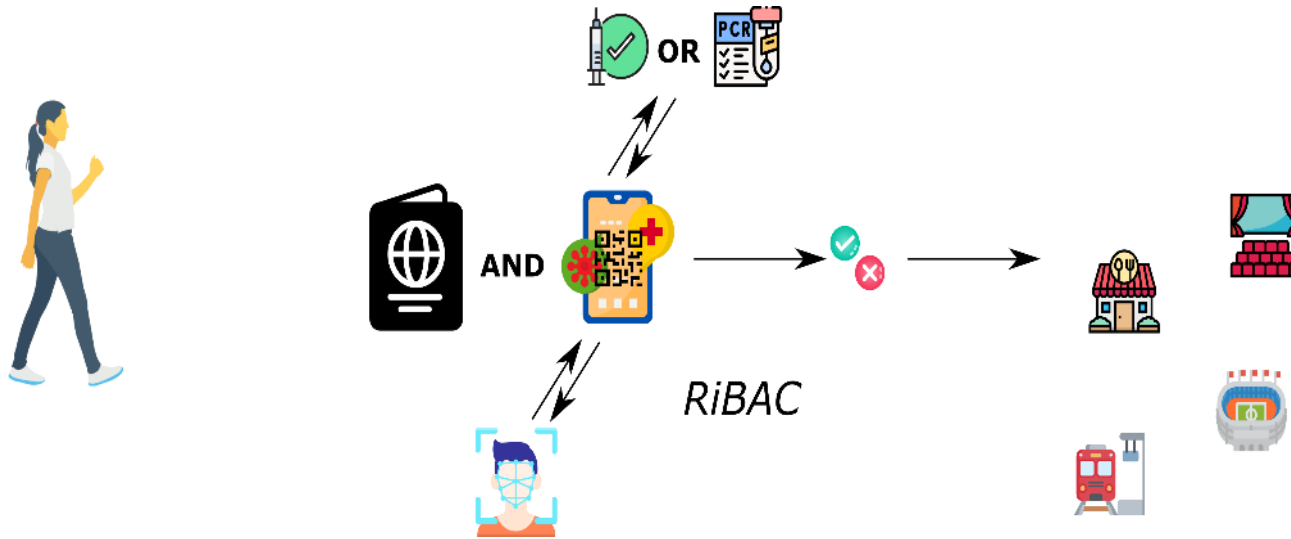
Legacy ACS
 RiBAC modular tool



RiBAC Scalable scheme



RiBAC Integration with legacy ACS by design



	Architecture		
	Parallel	Sequential	By-design
Security	●	●	●
Privacy	●	●	●
Unlinkability	○	○	●
Hardware requirements	●	●	◐
Scalability	●	●	◐
Integrability	●	◐	○
Interoperability	●	◐	○
Risk preservation	●	●	●
Tracing support	●	●	◐

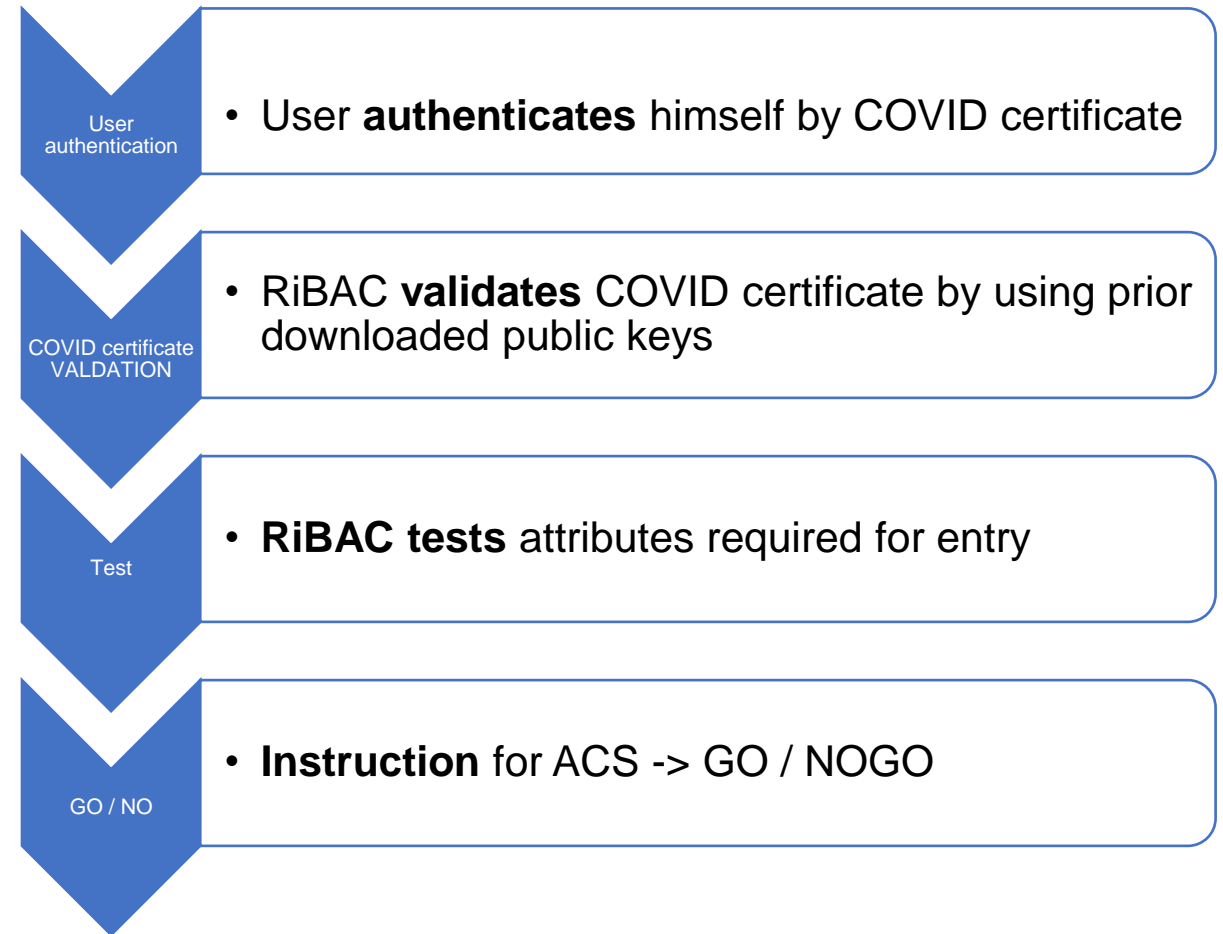
Table 1: Evaluation of the different approaches relative to the requirements (●=fully satisfied, ◐=partially satisfied, ○=not satisfied)

RiBAC becomes a new part of the legacy access system with all the privacy implications

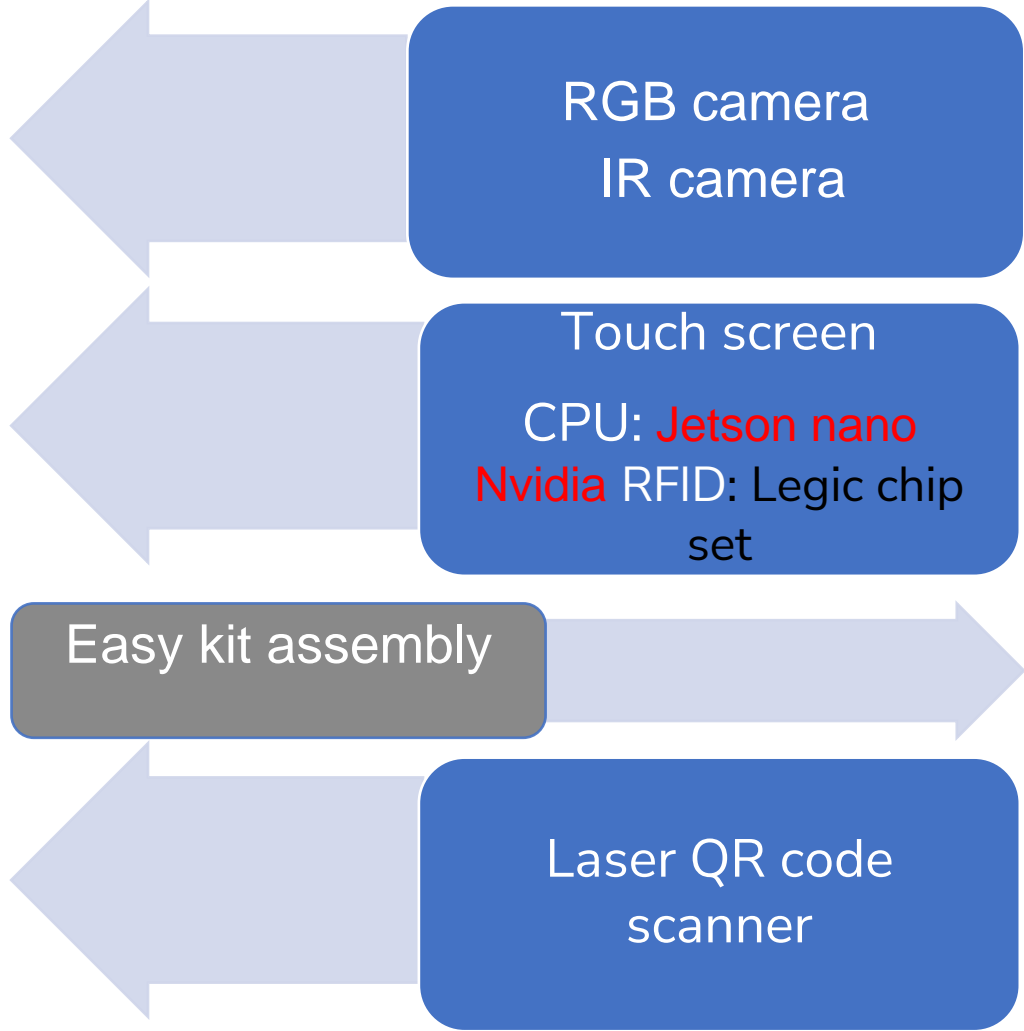
RiBAC Basic set of functions



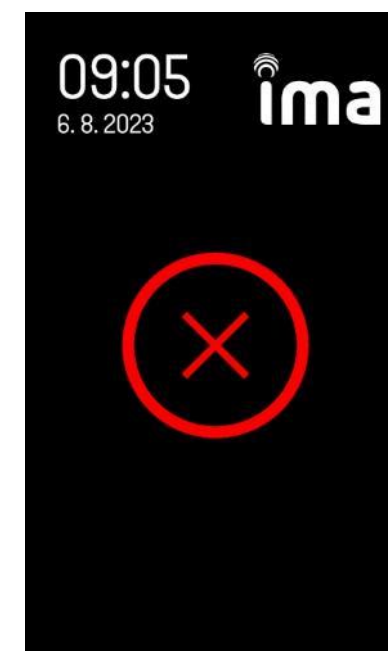
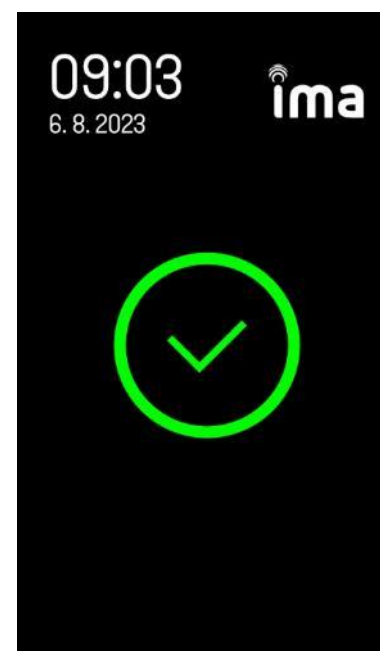
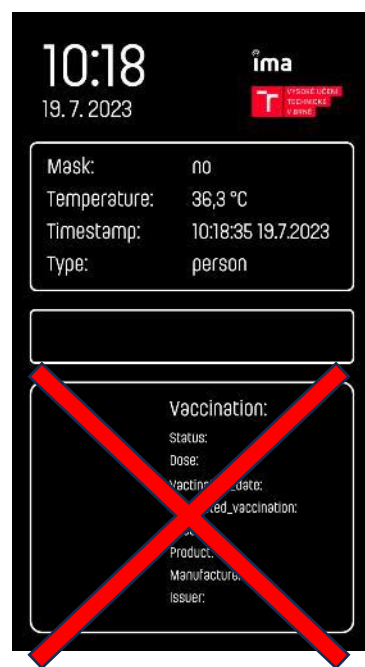
- + Facial temperature check
- + Mask fit check
- + Checking the wearing of the mask and the temperature of the face
- + **Checking the validity of the COVID certificate (CZ version)**
- + Checking the presence of personal protective equipment



RiBAC Equipment



RiBAC User interface



Welcome ACS screen

Application home screen

List of requirements

Access granted

Access denied

RiBAC Envisioned commercialization



+ RiBAC during a pandemic

- › Basic security solution for physical access to CIs
- › Stand-alone or integrated solution
- › Programmable set of functions
- › Security level vs. check in time can be set in accordance with the needs of the operator

+ Use of RiBAC in normal period - > no need to remove the system

- › Remote management of the active feature set (optimization of passages)
- › RiBAC will be used as advanced part of legacy ACS
- › Standard static or temporary (mobile) access check points

RiBAC Envisioned commercialization



RiBAC Tool (Risk-based Access Control)

Type of Innovation: New Product

Target Customers: Hospitals, CI operators, utility companies, industries

Market Dynamics: Growing

Unique Benefits: Advanced risk-based access control, integrated protective tools, enhanced security

Short-term Exploitation Plans: Consulting services, new research projects, sales

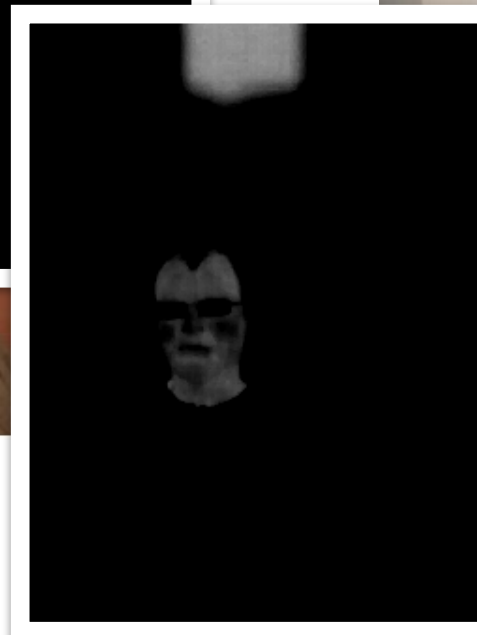
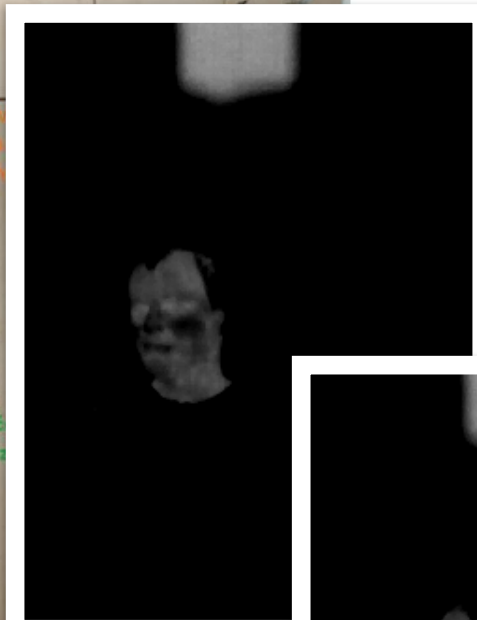
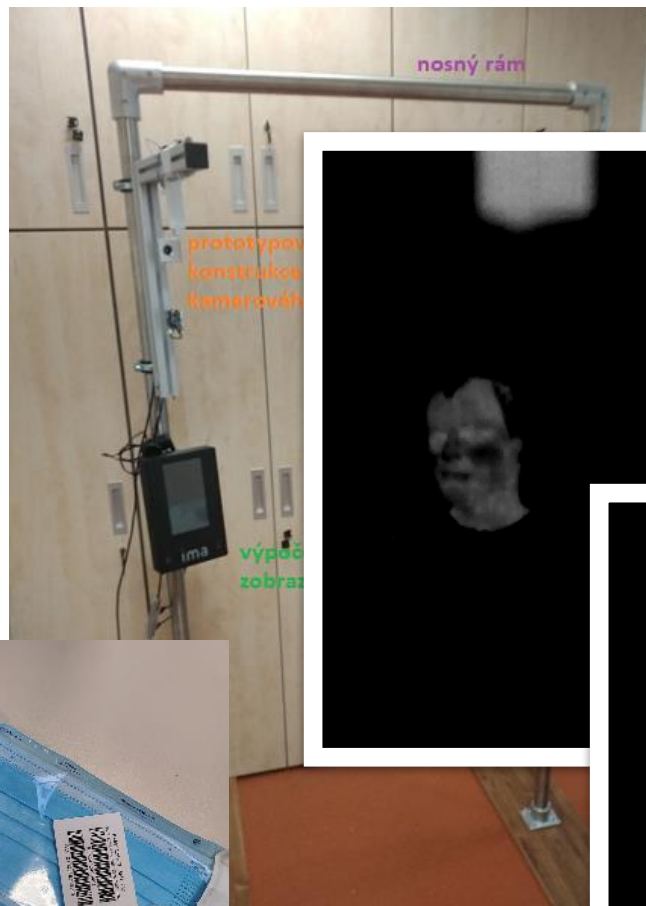
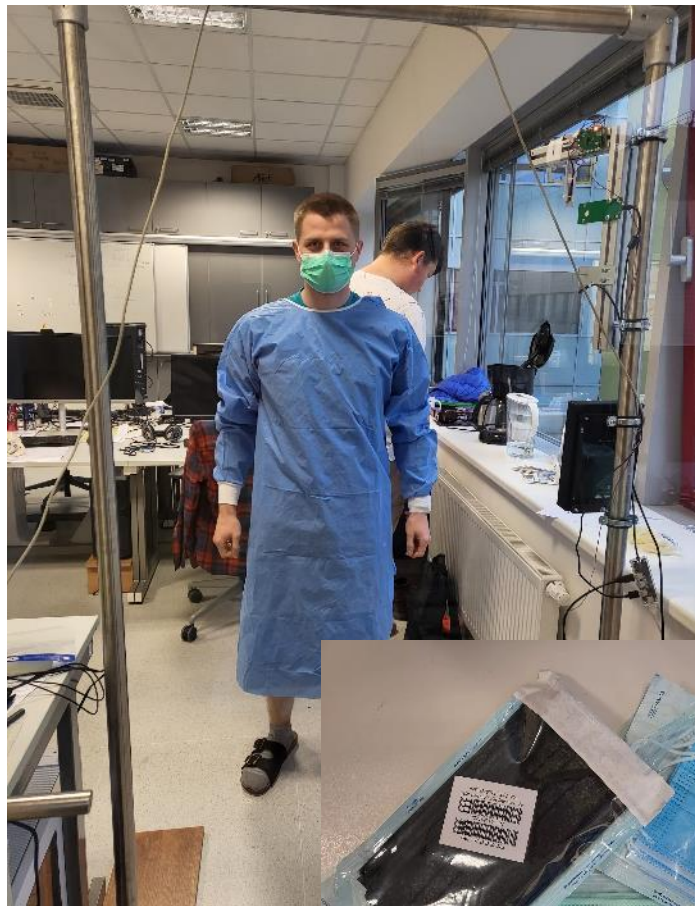
Marketing Strategy: Online platforms, direct sales, presentations

Revenue Generation: Licensing model, customization options (project)

Vision for Exploitation: Go-to solution for access control, training programs



RiBAC Laboratory testing



RiBAC Perspective of the end-user



- + RiBAC tool will be validated by CI operators in Czechia, Slovenia and Italy
 - > **Czechia:** pilots are planned in ČEZ, UVN, WITTE (and/or CTU)



CEZ Group (Energy)



Military University Hospital in Prague (Health)



WITTE production site (Other)

RiBAC Perspective of the end-user



- > **Italy:** validation is envisioned in FVG (Health), INS (Digital), CAF (Water)



Insiel HQ Trieste

- > **Slovenia:** planned pilots in UKC (Health), TS (Digital), SZ,SZI (Transport)



RiBAC for UKC



University Medical Centre Ljubljana ...

+ Leading medical institution in Slovenia and one of the largest hospitals in central Europe

Employees	8,535
Medical Doctors and Dentists	1,502
Registered researchers	1,012
Nurses	3,840
Beds	2,141
Admissions	113,254
Length of stay	6,1 days
Transplantations	350
Outpatient visits	648,024
Outpatient visits+diagnostics	1,922,823
Income in 2021	704,210,307 €



Member of





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