



tekever

Infoday BES- H2020



Agenda

TEKEVER Group brief overview

Proposal idea

Closing remarks



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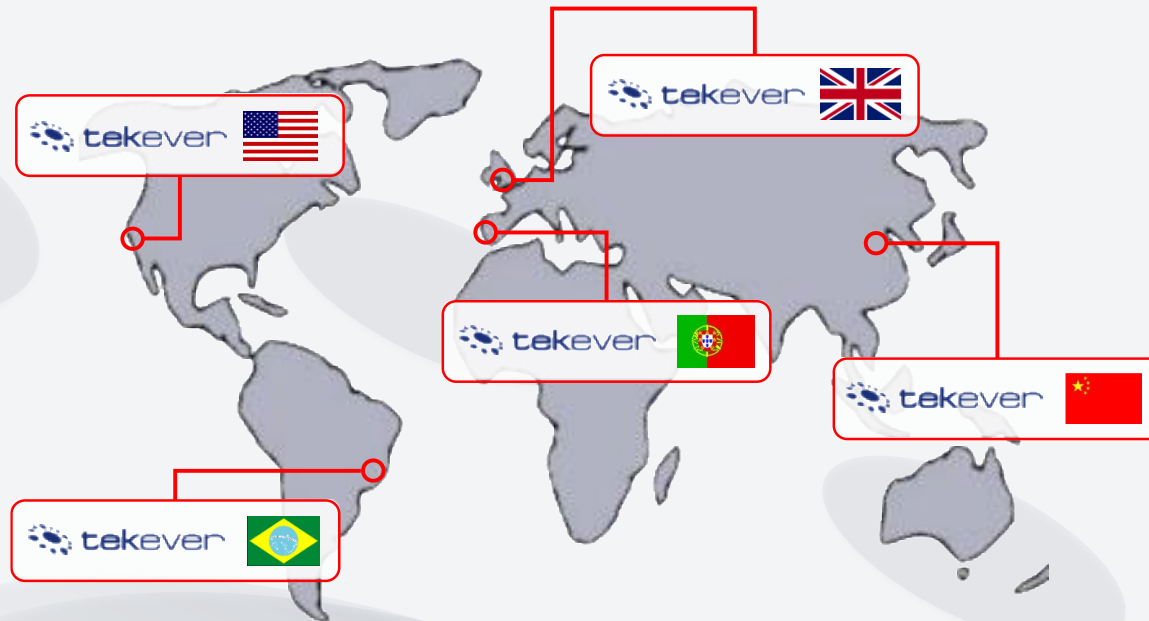
CORPORATE PROFILE

Focus on PRODUCTS

Continuous INNOVATION

Passion for TECHNOLOGY

André Oliveira



TEKEVER Worldwide

Technology group with core competencies in Software, Electronics and Communications

Founded in Portugal in 2001, international expansion began in 2006

Offices in 4 continents, international network of partners in expansion
and excellent international references



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Divisions & Companies



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INFORMATION TECHNOLOGIES



OZONO

Workforce and asset
management optimization

mobizy

Cloud-based enterprise
mobility platform and store



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AEROSPACE DEFENSE SECURITY

TEKEVER

Unmanned Aerial Systems



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SPACE

Space Systems



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COMMUNICATION
SYSTEMS

Tactical Communication
Systems



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Products



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INFORMATION TECHNOLOGIES

Core technology platform

MORE

Model Once Run Everywhere
B2E and B2C Mobility

New products



Customer-centric management
and optimization of healthcare
institutions



Smart-city integrated
mobility platform

Spin-offs



Workforce and asset
management optimization



Cloud-based enterprise
mobility platform and store



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Products



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AEROSPACE DEFENSE SECURITY

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AR3
NET RAY

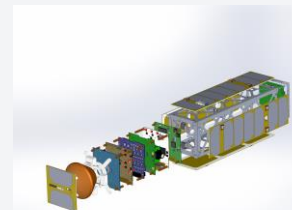
AR4
LIGHT RAY



AR5
LIFE RAY



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SPACE



GAMASAT

Complete technology
stack for NanoSats



GAMA
LINK

Internet-like
Space Comms



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COMMUNICATION
SYSTEMS

WAC

21st Century tactical
SDR Radio for
Land Forces





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Proposal Idea

Low levels of situational awareness on the EU borders, high at sea and on unpopulated or scarcely populated land areas, are important factors of cost of border surveillance.

Current border control systems involve a wide range of heterogeneous assets – manned and unmanned.



Proposal Idea

Multi-Service Multi-Domain C2

Develop, characterize and test building blocks for a multi-domain, multi-service, multi-role C2 system based on a state of the art architecture (e.g. NATO MDCS).

Addressing sub-topic: 2.Enhanced command and control systems for the surveillance of borders in a 3D environment Autonomous surveillance



Proposal Idea

Baseline

Agree on common architecture for C2 / GCS to which all partners will adhere (e.g. NATO MDCS framework;)

Building block examples include, among others:

- HMI blocks (3D visualization, haptic inputs, augmented reality)

- RVT or even CS based on tablets and smartphones

- Initialization and discovery protocols

- Autonomous cross-tasking and cueing between domains and platforms blocks

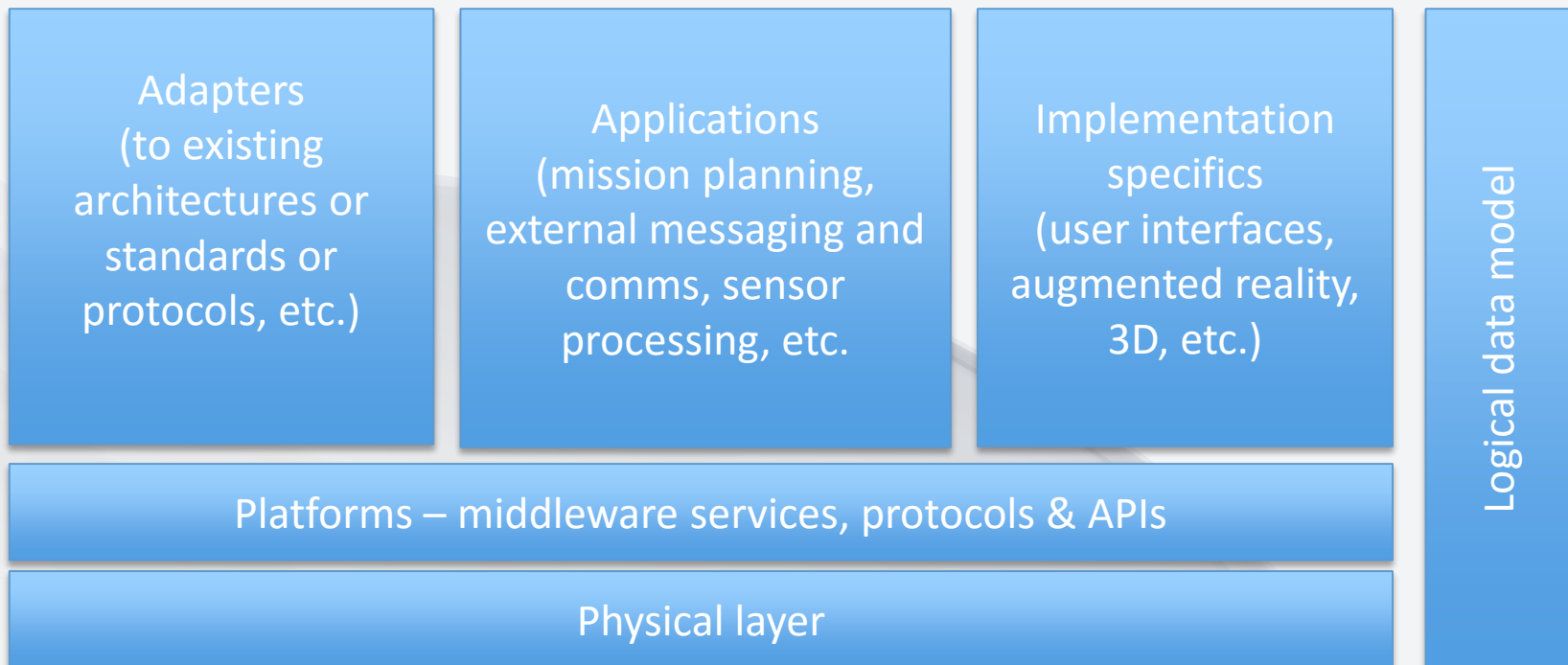
Each block will support at least one or two border surveillance use cases (e.g. coordination of unmanned platform missions, cueing sensors, assets hand-over, ...)



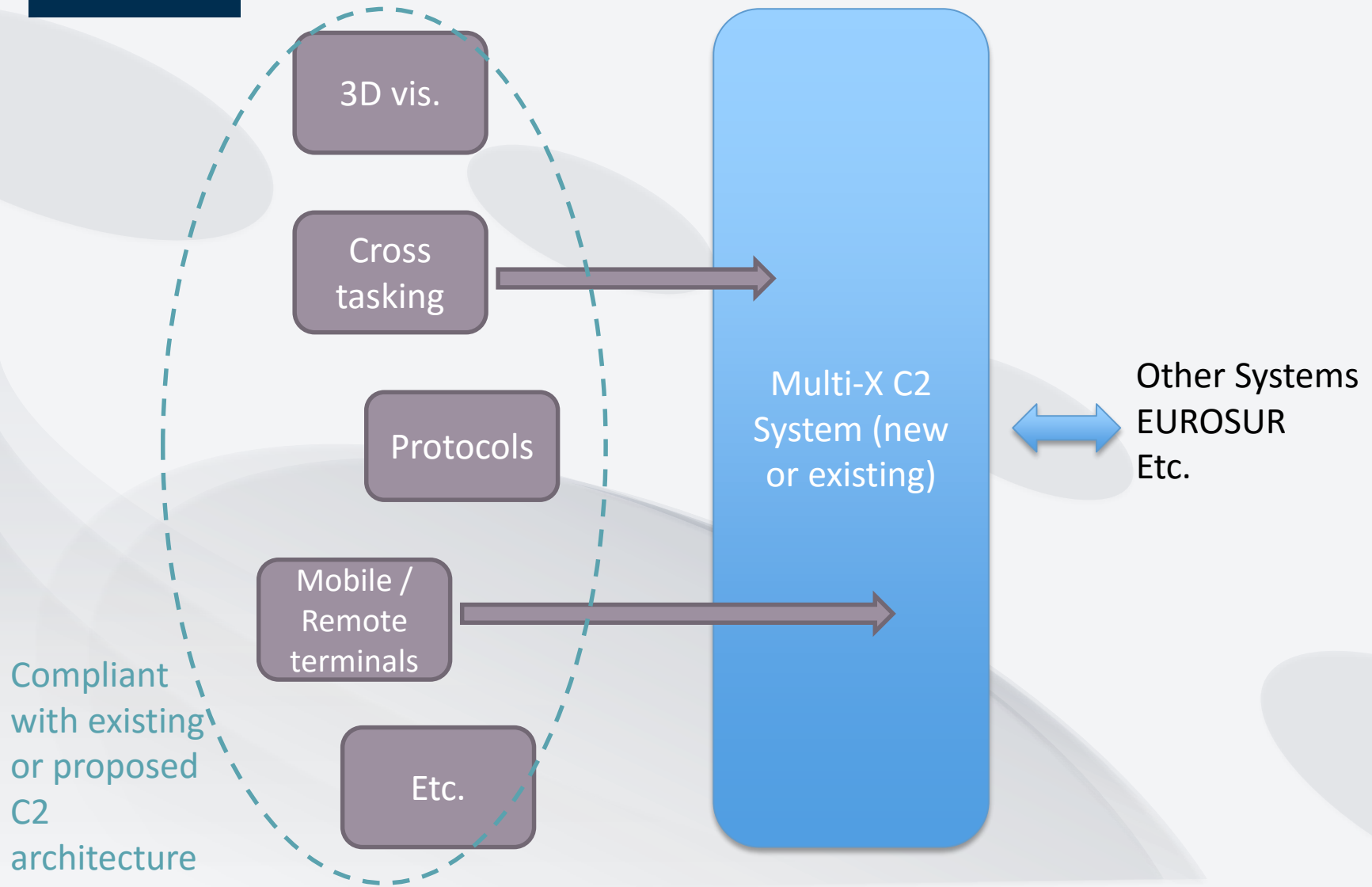
Proposal Idea

Expected results

A library of the characterized building blocks will be created for use by a C2 system designer (pick and mix).



Proposal Idea





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Proposal Idea

Participants

Coordinator: *TEKEVER ASDS (SME)*

Partners:

International R&D institute

International organization

Companies (FR, UK, PL, GR)

University (ES)

Looking for end-users with an interest in testing technologies, functionalities and capabilities which may be integrated in the future with their existing C2



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Closing remarks

Importance of End-user participation

- Mandatory involvement as beneficiaries as per work programme
- Assume they are part of peer review process
- Help define the use cases
- Validate the proposed work
- New technical partners considered if they bring along end-users



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THANK YOU!

André Oliveira

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