

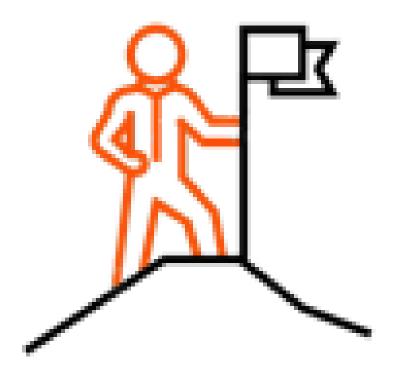


Start-up Accelerators: Catalysts for Defence Technology Evolution



WSL is...





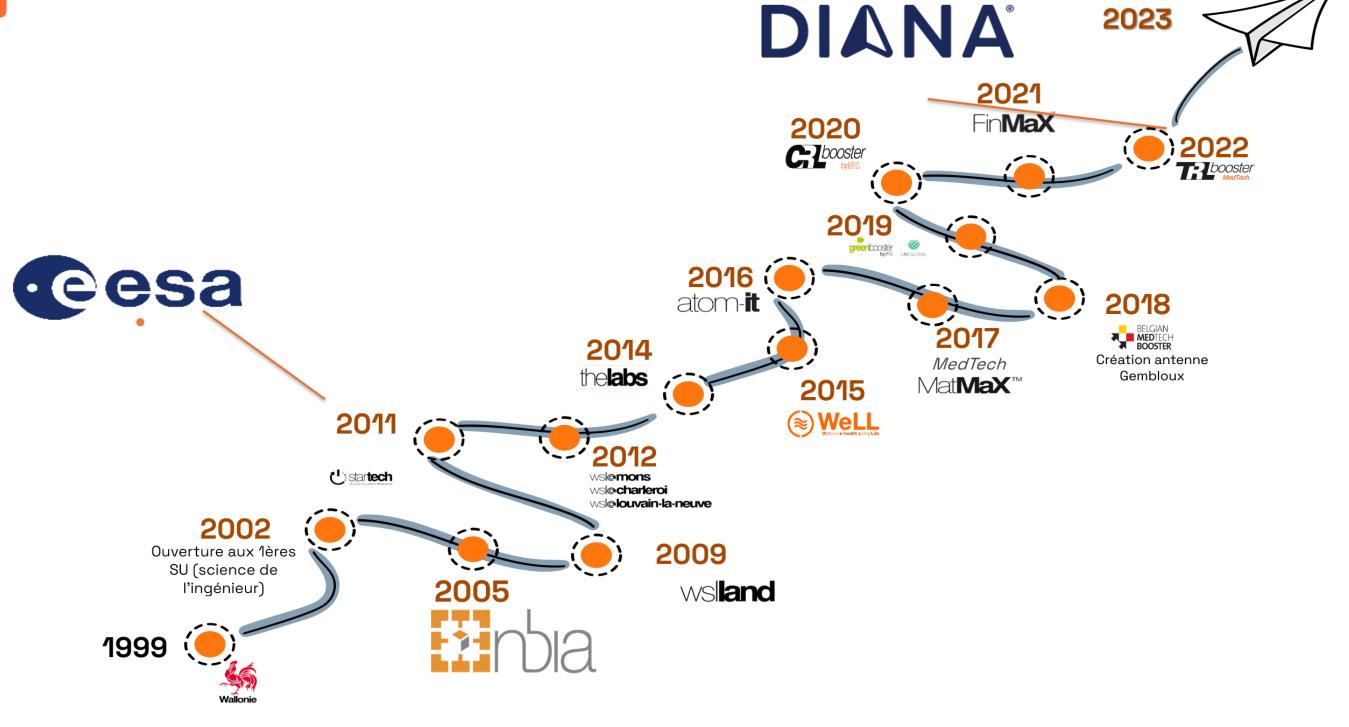
TO CONTRIBUTE TO THE DEVELOPMENT OF A NEW INDUSTRIAL FABRIC IN WALLONIA WITH STRONG RETENTION OF TALENTS AND TECHNOLOGIES.

BY HELPING DEEP TECH START-UPS TO LAUNCH AND GROW



WSL is... A story

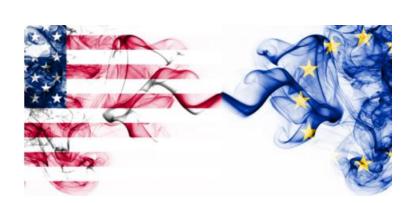






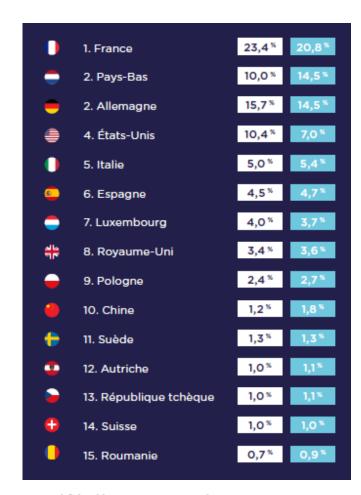
WSL long last history with <u>US</u>

























* The context

- **Historical Context:** Wars have historically driven major technological innovations, which later found civilian applications (e.g., GPS from the U.S. military).
- Shift in Innovation Drivers: Military research programs are no longer the primary drivers of technological innovation.
- Emerging and Disruptive Technologies (EDT): These are dual-use technologies, including AI, autonomous systems, quantum technology, and biotechnology, which are reshaping military innovation.
- Private Sector Leadership: Big Tech, startups, and SMEs now lead the development of EDTs, reversing the traditional roles where military institutions were the main innovators.
- Implications for the Military: Armed forces must adapt and leverage the opportunities offered by EDTs to remain competitive and effective in future warfare.
- Recent worldwide Crisis: Covid-19, Ukraine War, Energy crisis

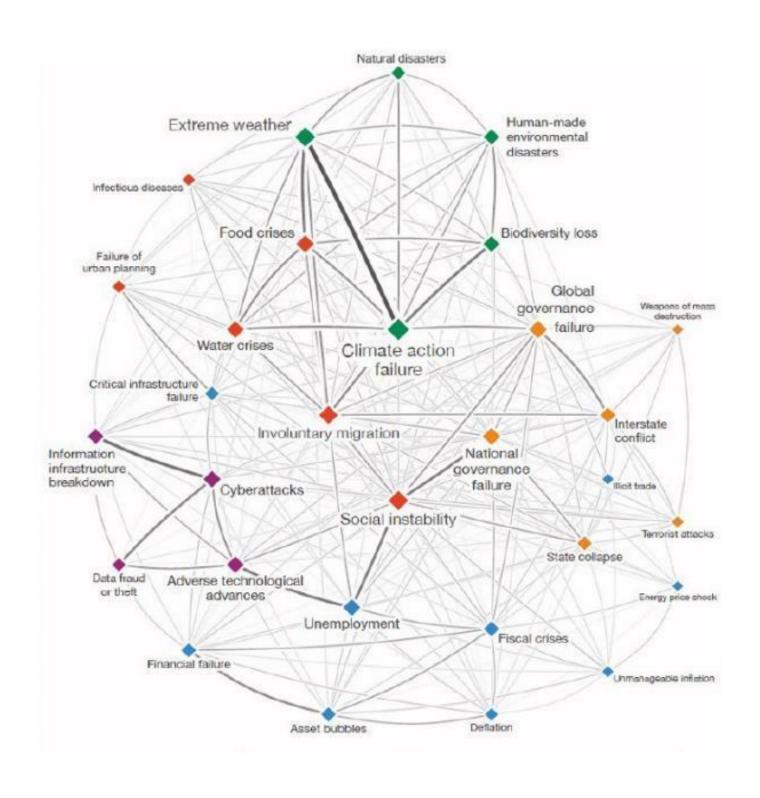






For techno entrepreneurs

- Insecurity is driven by complex, inter- related global challenges, e.g. environmental changes, scarcity of resources, economic instability, hostile threats from state and non-state actors
- Understanding and tackling these challenges requires world-leading science and technology







The response

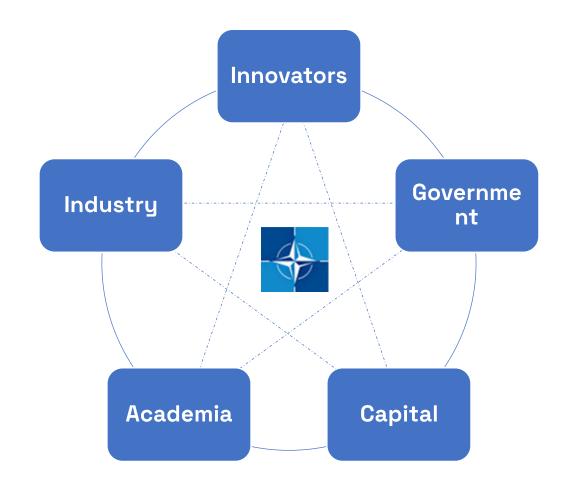
To address the complex inter-related challenges -> create an

Allied innovation ecosystem that:

- Develops and adopts new technologies at the pace of relevance
- Fosters stronger innovation partnerships between government, industry and academia (triple-helix)
- Grows the network of innovation centres Alliance-wide
- Reduces the barriers to financing to create a sustainable

innovation base

Part of this respond/ecosystem → Innovators or Startup founders



Adapted from Dr Phil Budden & Prof Fiona Murray:
MIT's Stakeholder Framework for Building & Accelerating
Innovation Ecosustems







* Paradigm shift in the Defence sector

- Shifting **Development** and **Acquisition**Models
- Recognizing dual-use potential
- Balancing commercial success with military applications
- Accepting reasonable risk in financing and acquisition





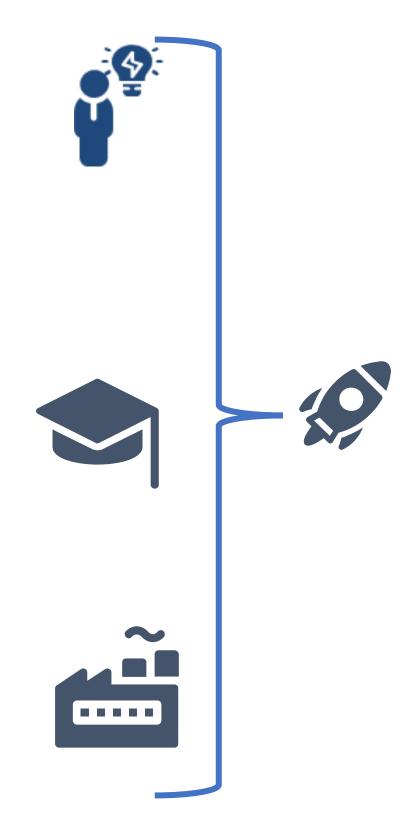
What is a Start-ups?

For techno entrepreneurs

• Start up: Newly created innovative company, aiming for rapid growth through 'scalability' levers. By extension, a young innovative company.

• Spin off: A start-up originating from a university or research center, which holds shares in it.

• Spin out: A start-up, not part of the core business, originating from an existing SME or company.





Why collaborate with a Start-ups in the Defence field?



- Quickly respond to new threats
- Accelerate the adoption of critical technologies
- Address the shortcomings of major players
- Promote industrial resilience and economic security
- Reduce costs and increase efficiency









The startup founder dilemna

For techno entrepreneurs

- Defence is viewed as inaccessible and complex
- Startup founders are unsure of where to start and who can help
- Government rules and regulations are viewed as cumbersome
- Difficulties in accessing end-user customers to better understand their problems and receive feedback



Result: Startups founders ignore or are frustrated by the defence and security market, losing interest as commercial revenue streams take off



The Startup Support to connect the dots in



Government support

the Defence sector













A startup accelerator is a structure designed to support the rapid development of emerging companies, particularly those operating in innovative fields such as deep tech. Here is a detailed definition and the specific characteristics of accelerators for deep tech startups.



Diana is challenged based















Access to:

NATO experts

>100 Test Center access

Top ranked civilian accelerators



End users (Ministers of Defence)

Private / Public investors (e.q. NIF)

Industry

Startups activities in the program

Training curriculum

10%

Test facilities

Development funding Meeting investors/e...

10%

52%

27%



DIANA in practice with WSL





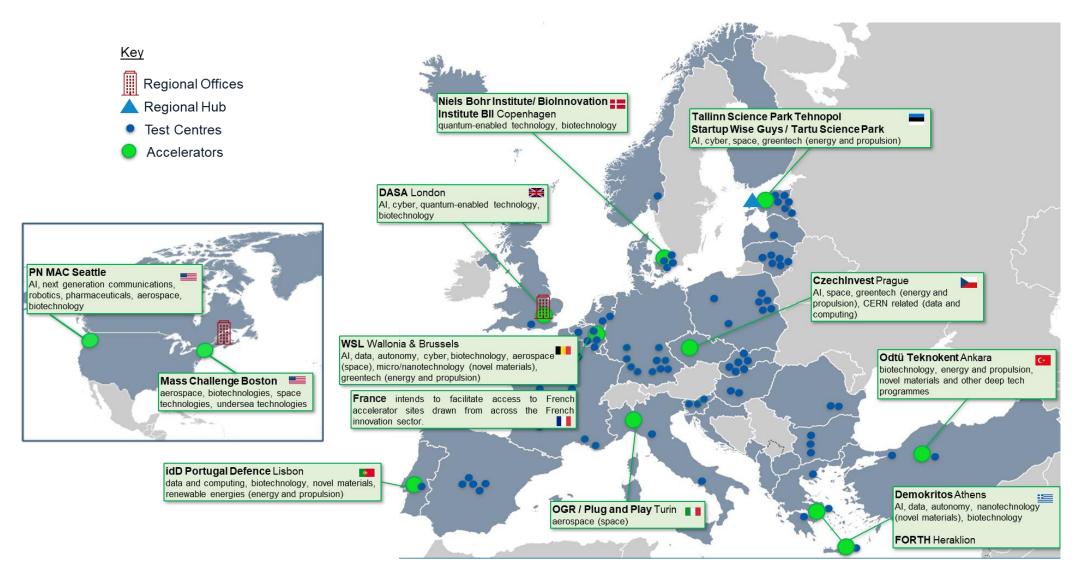






DIANA in numbers





Source: Diana footprint June 2023

- **20 accelerator sites**: 13 activated for 2025
- > 200 Test centers
- <1500 Mentors & experts</p>
- 3 challenges 2023 → 44 Startups
- 5 in 2024 and growing
- 1 HQ (United Kingdom)
- 2 Régional offices (Estonia & Canada)



Our Defence Program @WSL



DIANA

MaJoR

2 approaches → 1 objective

Sponsor Public





Approach	Based on technological challenges	Based on industry technical specification
Grant	100k€ + 300k€	60k€
Added value	High global visibility	Direct access to market
Programme	Access to coaching and mentoring and research centers facilities	Access to coaching and mentoring and Defence industry facilities
Nombre de Start-ups	50 start-ups/year and growing	60 start-ups for 2 years

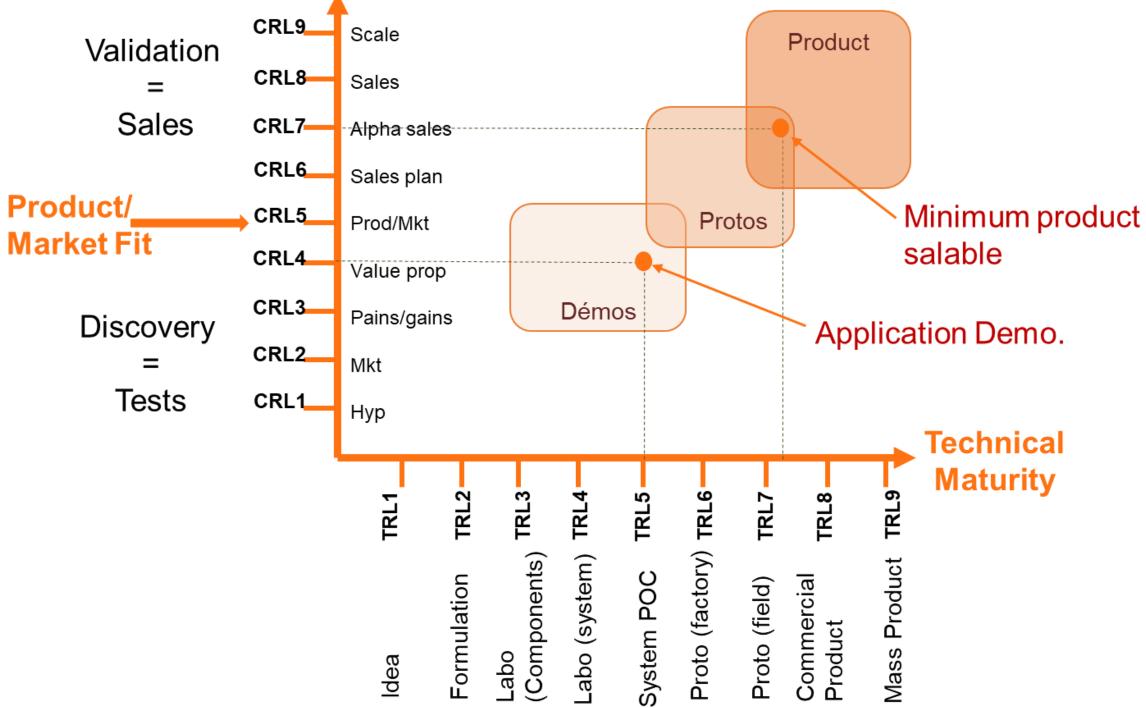
Significant technological reservoir (competitive advantage).



Our methodology

MatMax





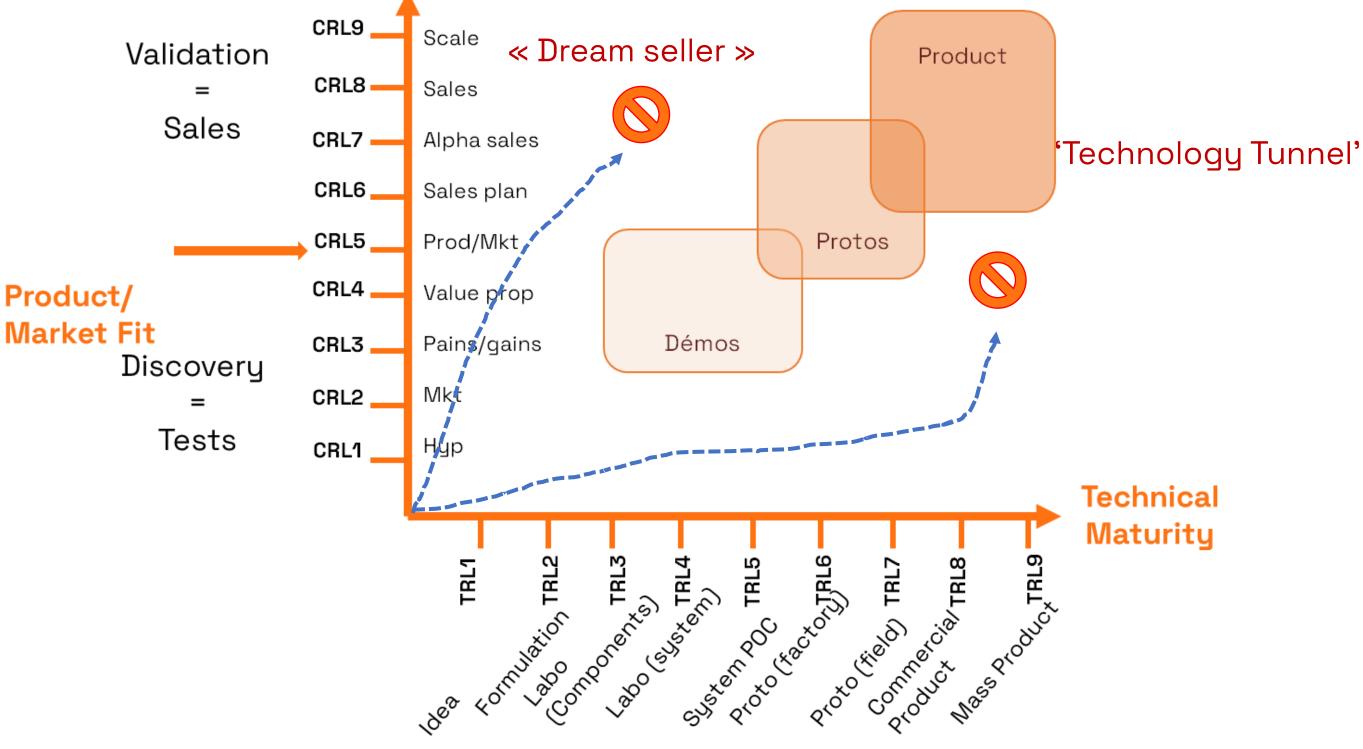


For techno entrepreneurs

For techno entrepreneurs

Our methodology MatMaX

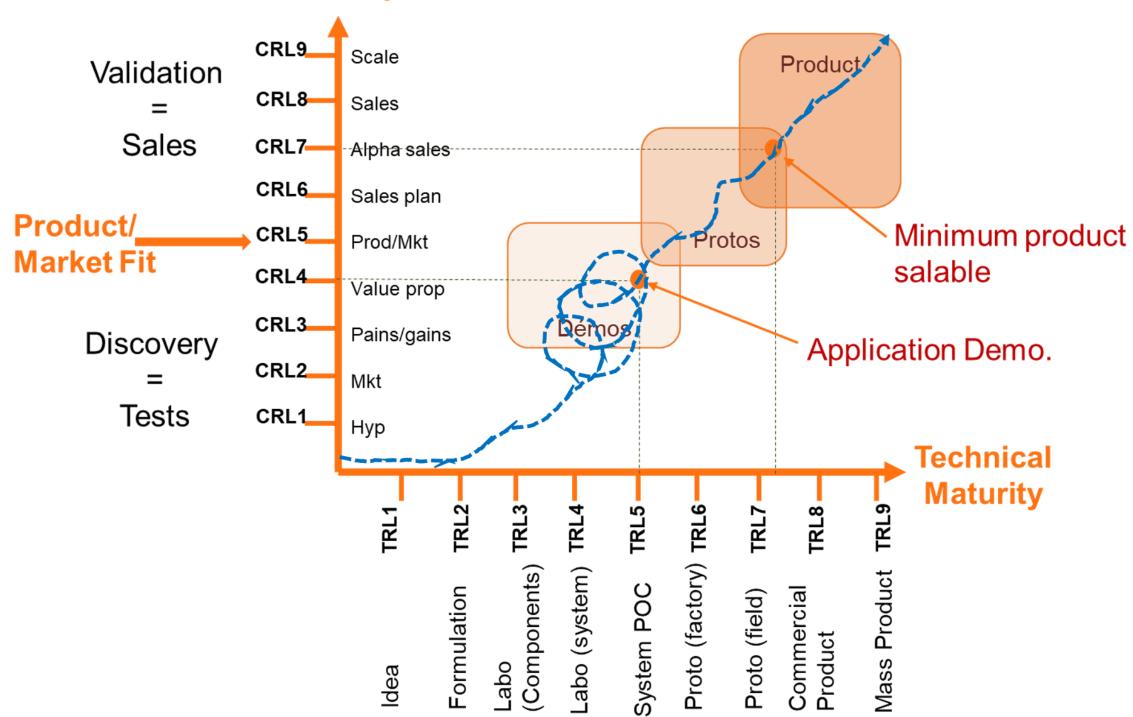
Commercial Maturity





Our methodology MatMaX **Commercial Maturity**





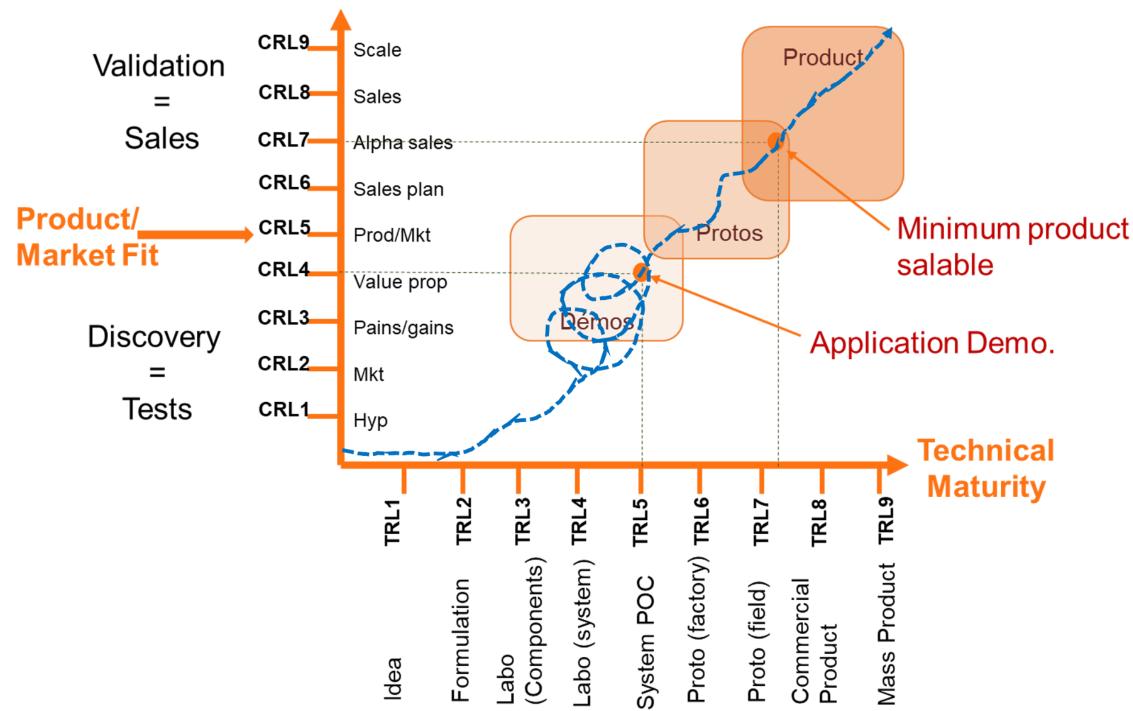




* Our methodology

MatMaX

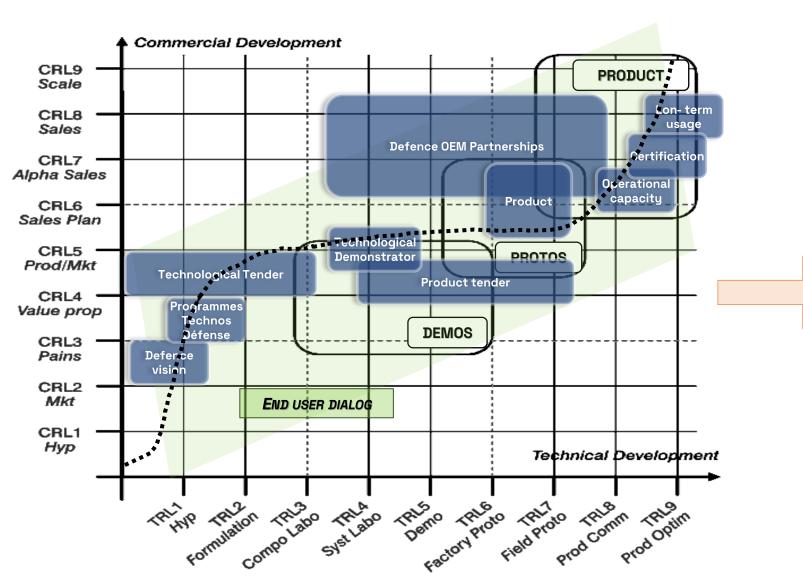
Commercial Maturity

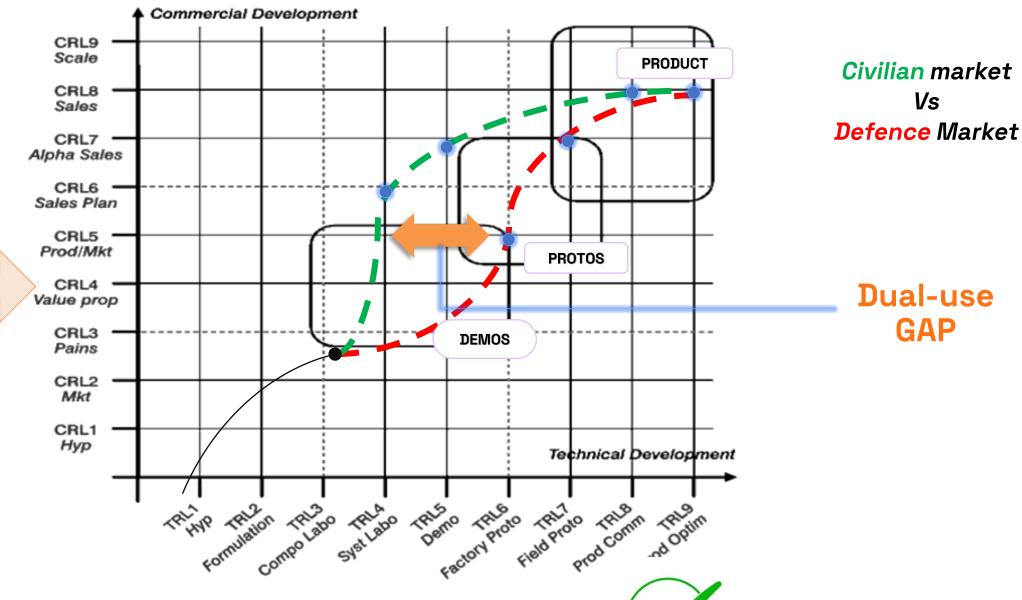




* The Dual-Use GAP MatMaX









EUROPEAN DEFENCE FUND



Our international network







Centre de Recherche et Développement













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Investisseurs





















Conclusion

- Importance of adapting Defence models
- Strenghtening collaboration across the alliance
- •Fostering a **robust ecosystem** for technological advancement



For techno entrepreneurs

Contact @WSL

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