

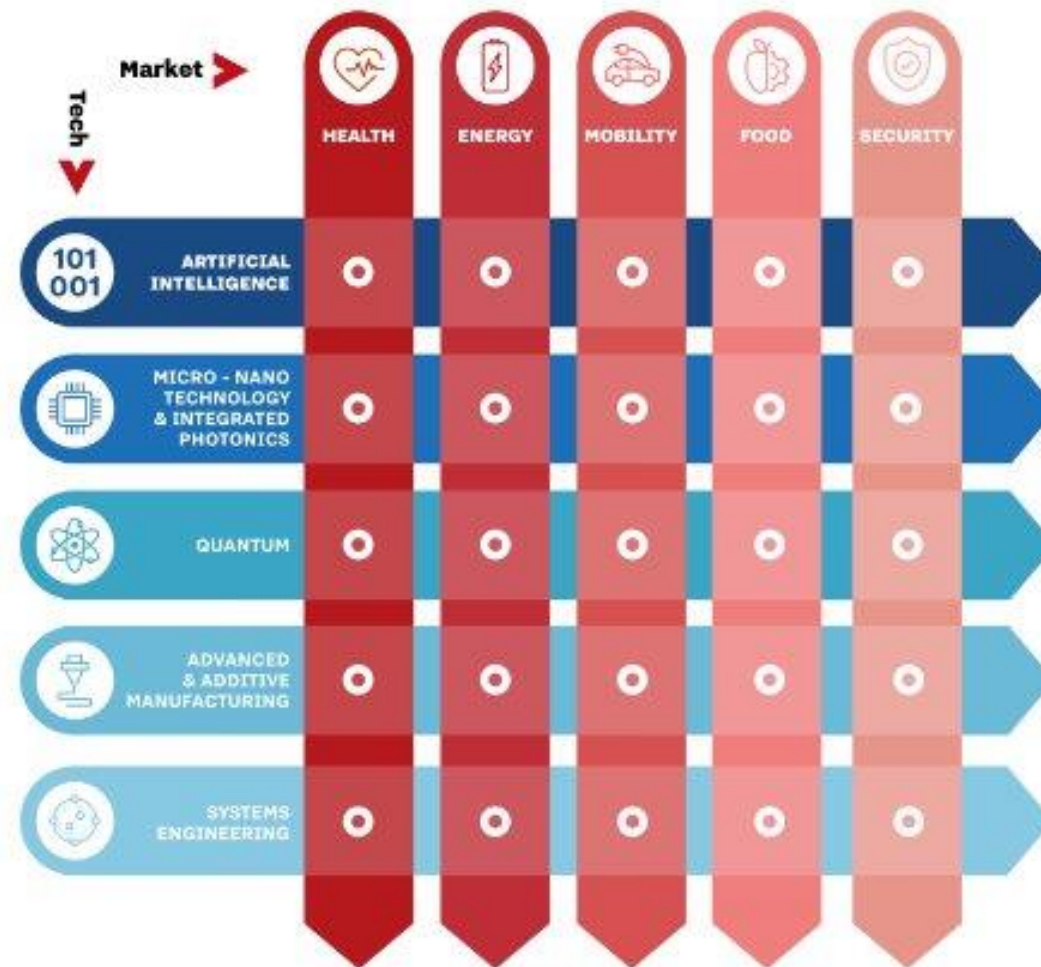
Site visit - Safety & Security

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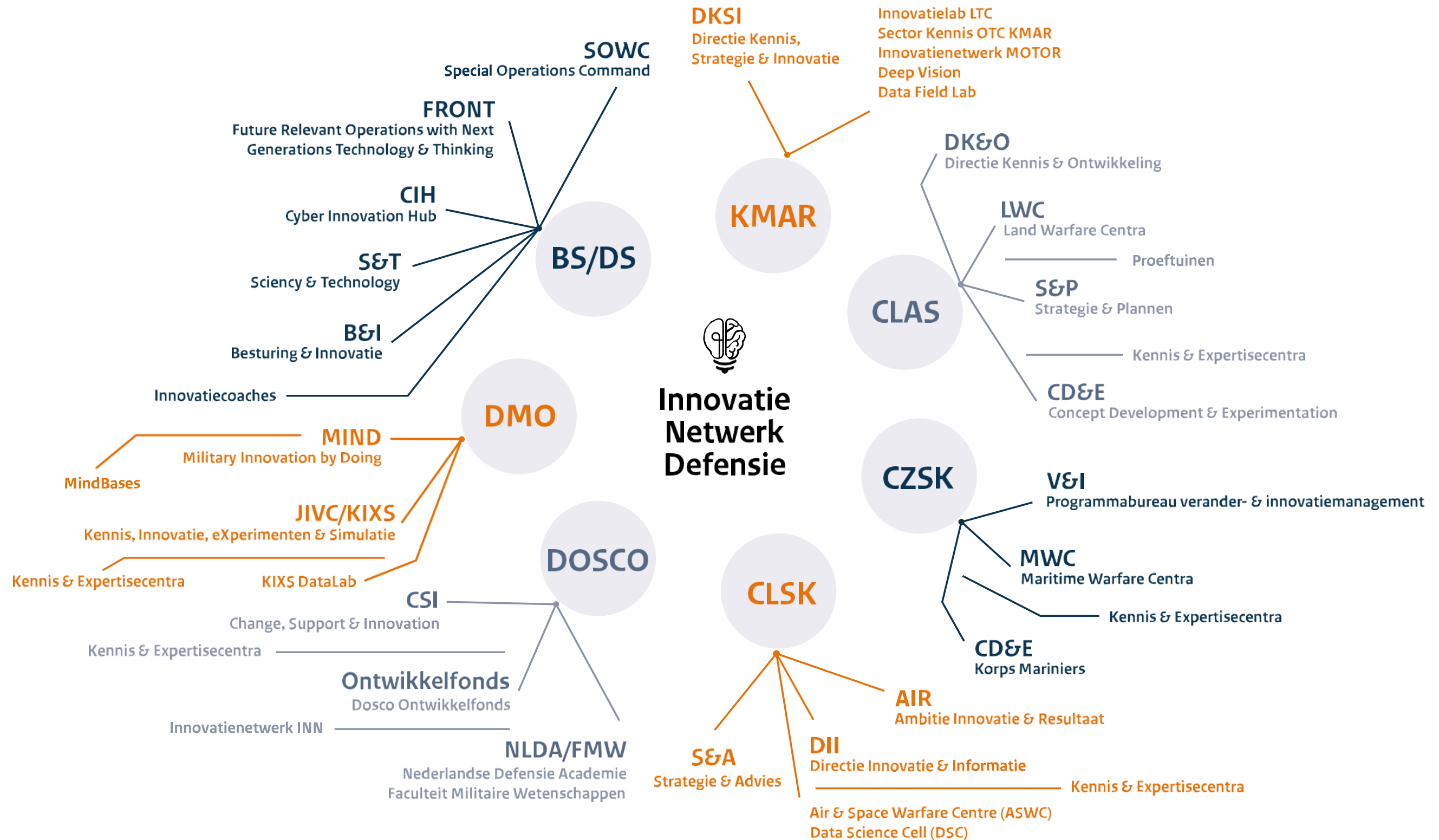
**Projectmanager Brainport Innovation &
Technology for Security (BITS)
Brainport Development**

Brainport Innovation and Technology for Security and NATO's DIANA Accelerator

Midas de Rooij



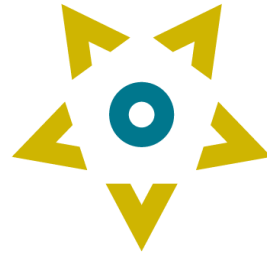
Innovation at the Dutch MoD



Brainport Innovation and Technology for Security and NATO's DIANA Accelerator

Brainport Innovation and Technology for Security

Dual-use solutions in Brabant



- Continuing and accelerating ongoing initiatives
- Defense-driven (demand pull) – Top Down approach ↓
- Theme-driven from Brabant Ecosystem (Technology push) – Bottom-up approach ↑
- Startups support and Venture Building (e.g. DIANA & SecFund)
- Organising events for dual use companies
- BITS as the first innovation ecosystem supporting Defense innovation, six more 'hubs' to come throughout The Netherlands

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Ministerie van Defensie



Ministerie van Economische Zaken

Provincie Noord-Brabant



BRAINPORT DEVELOPMENT
economische ontwikkelingsmaatschappij



Provincie Noord-Brabant



Delivers untraceable, jam resistant and intercept-proof communication solution for NATO

Lead partner

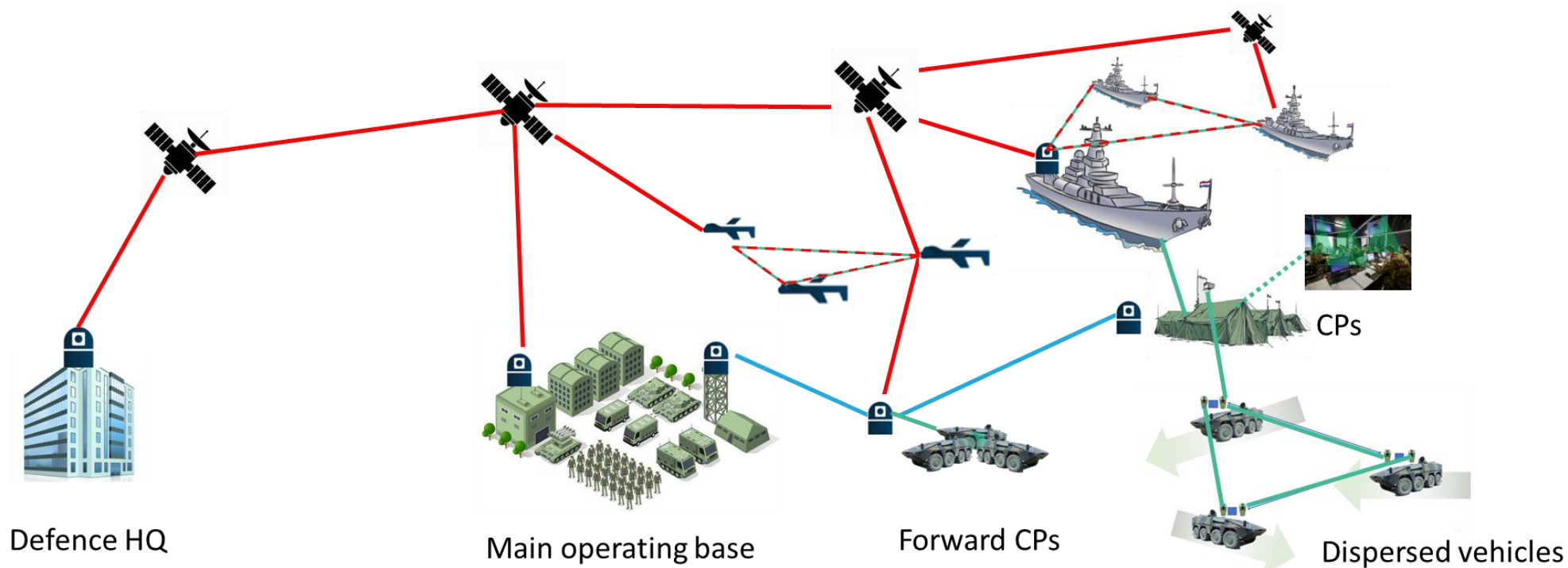
@signify



11
Partners

8
Bedrijven

Wireless Optical Communications Alliance



TNO

FSO
INSTRUMENTS

VDL

DEMCON

AIRBUS

AIRCISION

@signify

SMART
PHOTONICS

PITC
Photonic Integration
Technology Center

Secura

Holst Centre
Powered by imec & TNO

€ 10 mln



Sept 2024 –
Dec 2026



Website [link](#)

3 mln. for phase 1 – Testbed development
7 mln. for phase 2 – Industrialisation, certification and deployment

Supported by:

BRAINPORT DEVELOPMENT
economische ontwikkelingsmaatschappij

Brainport Innovation and
Technology for Security



Brainport Development acts as the driving force within this consortium of companies, serving as a bridge between the private sector and the Ministry of Defense.

Brainport Innovation and Technology for Security and NATO's DIANA Accelerator

- Encouraging startups to adapt their technology for dual-use applications
- Focus/technology areas and challenges evolve annually
- The Gate Brainport accelerator site was launched this January
- Five international startups receive tailored support in Brainport to further develop their technology
- Dutch DIANA startups go to another NATO ally, to an accelerator site

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DIANA



2024 Challenges:

2613 applications
from **30** countries!

Brainport Innovation and Technology for Security and NATO's DIANA Accelerator

Technology is becoming increasingly crucial in modern defense operations
Challenges:

- Governments are not (solely) the primary drivers of innovation
- Defense is often perceived as inaccessible and complex
- Startups struggle to find entry points and the right support
- Government regulations are seen as bureaucratic
- It is difficult for startups to connect with end-users and gather feedback

Objective:

Prevent startups from becoming frustrated and turning away from the defense and security industry

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» Challenges for 2025

1. Energy & Power				
2. Data & Information Security				
3. Sensing & Surveillance				
4. Human Health & Performance				
5. Critical Infrastructure & Logistics				

Space
Cross-cutting Themes

Resilience
Cross-cutting Themes

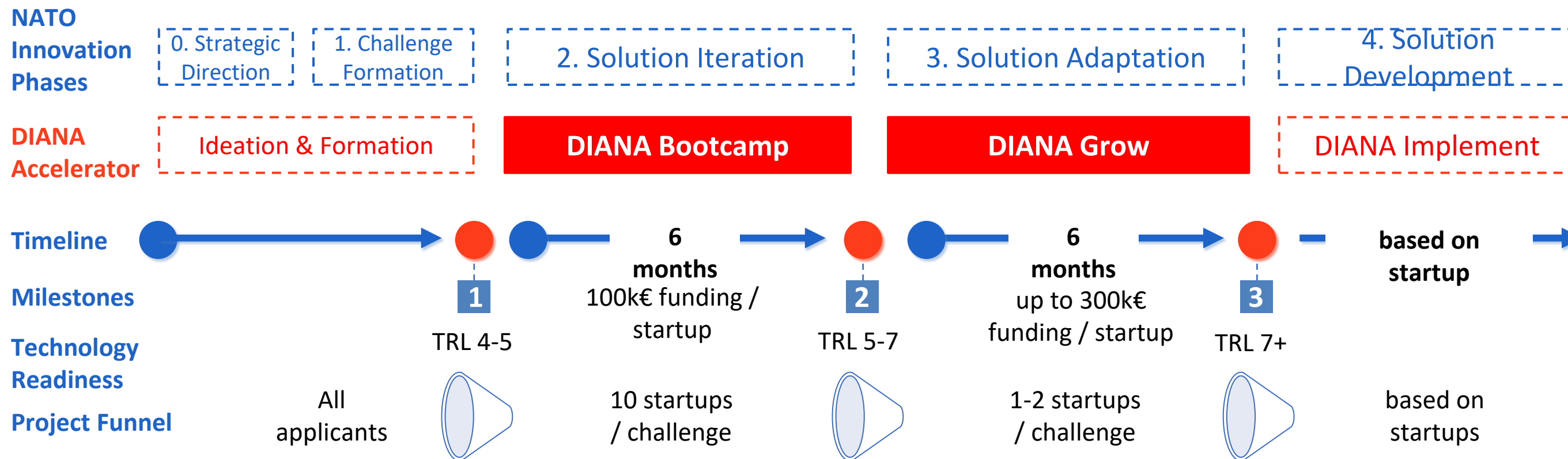
Sustainability
Cross-cutting Themes

5 Challenges are further refined by **3 Cross-Cutting Themes** designed to encourage (not required) innovators to consider the interconnection of applications and technologies across different domains:

- **Space:** The environment of space represents a vast and largely unexplored frontier with immense potential for scientific discovery and technological innovation. It encompasses a wide range of technical challenges.
- **Resilience:** This theme emphasises the need for solutions and technologies that can withstand and quickly recover from disruptions or threats.
- **Sustainability:** DIANA seeks to emphasise the importance of developing and implementing environmentally friendly, energy-efficient technologies and practices that ensure long-term viability (a key part of responsible innovation).

DIANA Bootcamp & Grow to enable dual use innovation within the alliance

NATO DIANA Innovation Framework



1. Startup Selection & Allocation

- NATO selection of startups amongst applicants according to scope and quality
- Allocation of Startups to individual accelerator sites according to their needs and specificities

2. Down Selection

- Selection based on tech development progress and generated business traction (investment & customers) in both civil and defence market
- Selection via NIF Criteria feasible

3. Final Cohort Closing

- Presentation of technology development progress and generated business traction (investment & customers) in both civil and defence market

DIANA Accelerator Sites 2025



Brainport Innovation and Technology for Security and NATO's DIANA Accelerator



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Thank you for your attention

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www.brainporteindhoven.com