



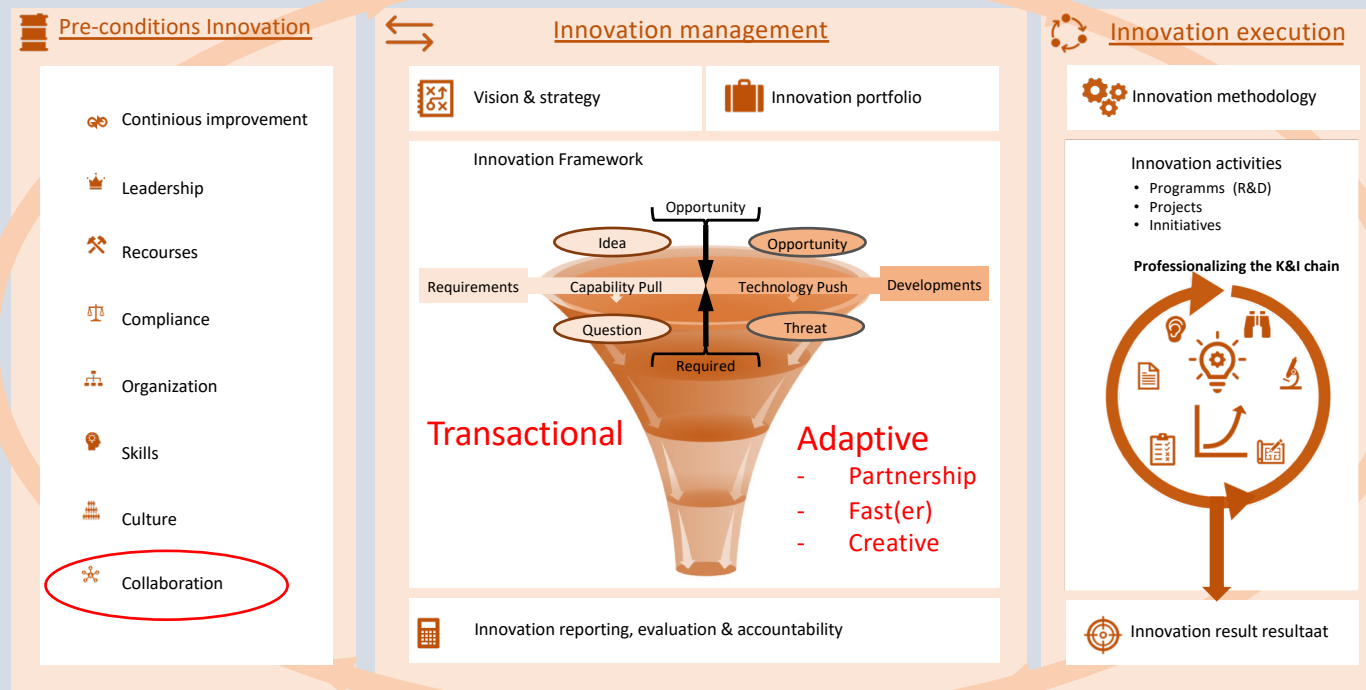
POWERING INNOVATION

July 6th 2023: Innovation x Purchasing
Hugo Leyte
FRONT



FRONT & Innovative Capacity

Fighting for a (new) leading edge, to enable the Armed Forces to win tomorrow's Fight.

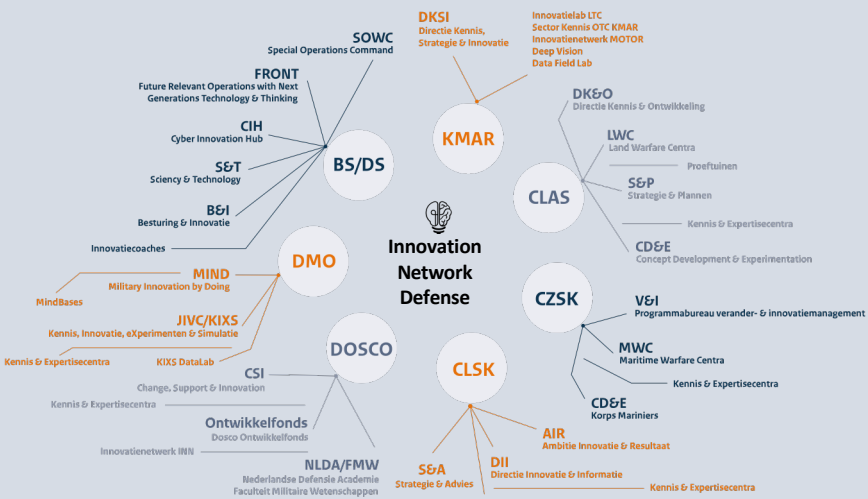


← Innovation Capacity →

Collaborations

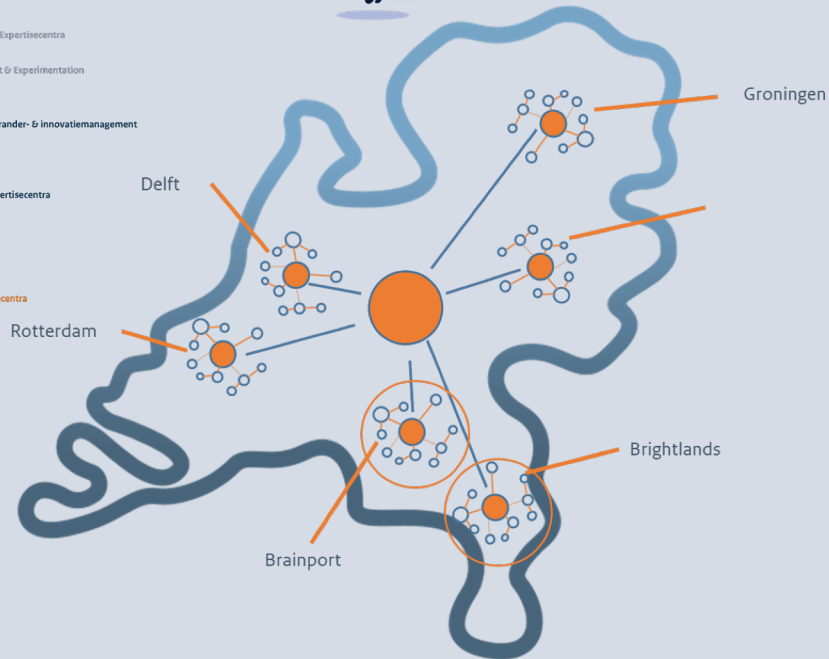
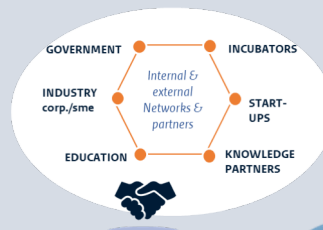
DoD

Defense Innovation Network



National

Ecosystems & Partnerships

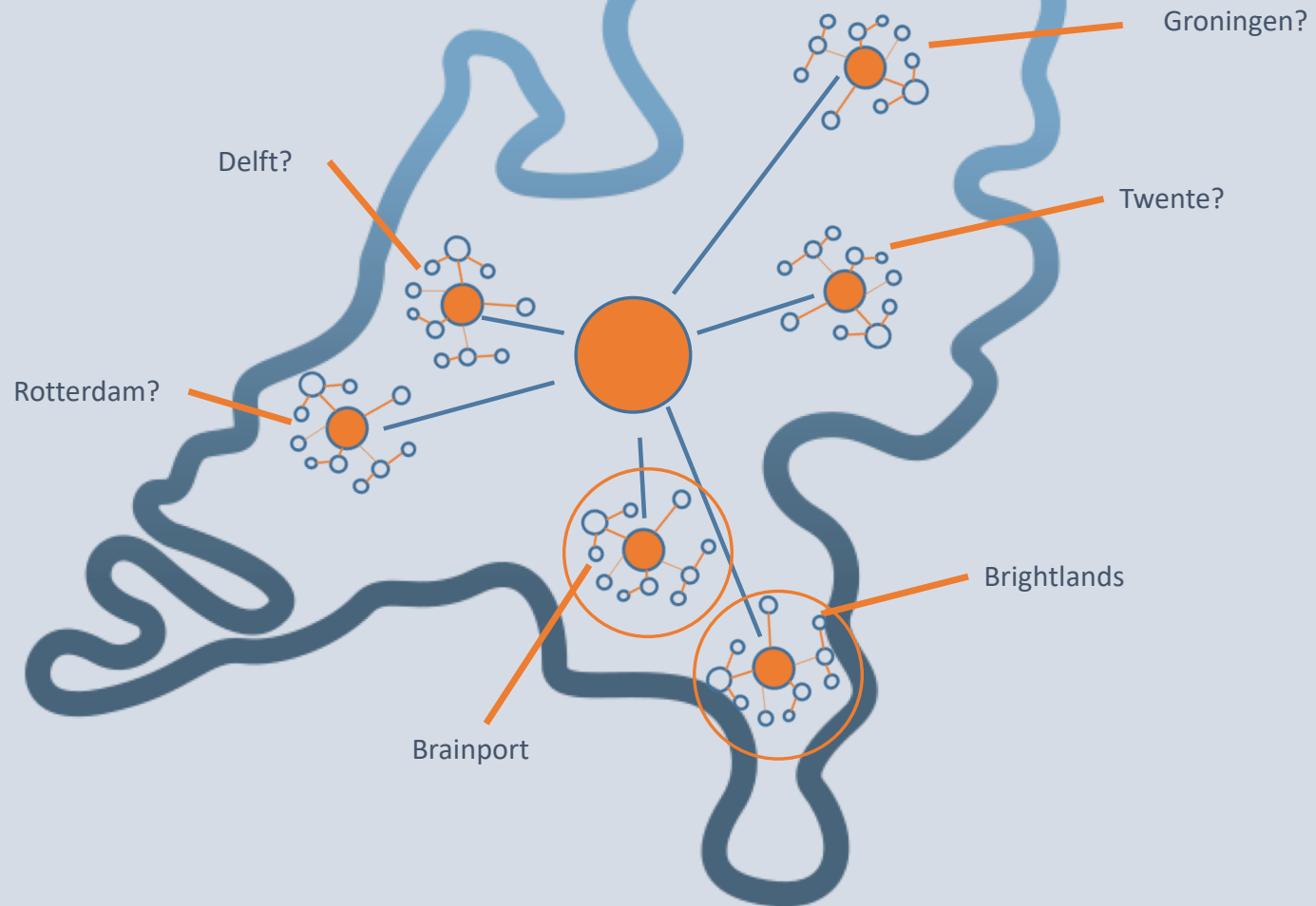


International





DoDNL_Ecosystems



BITS

Brainport, Innovation & Technology for Security DoD - Ministry of Economic Affairs, Province NB, BOM

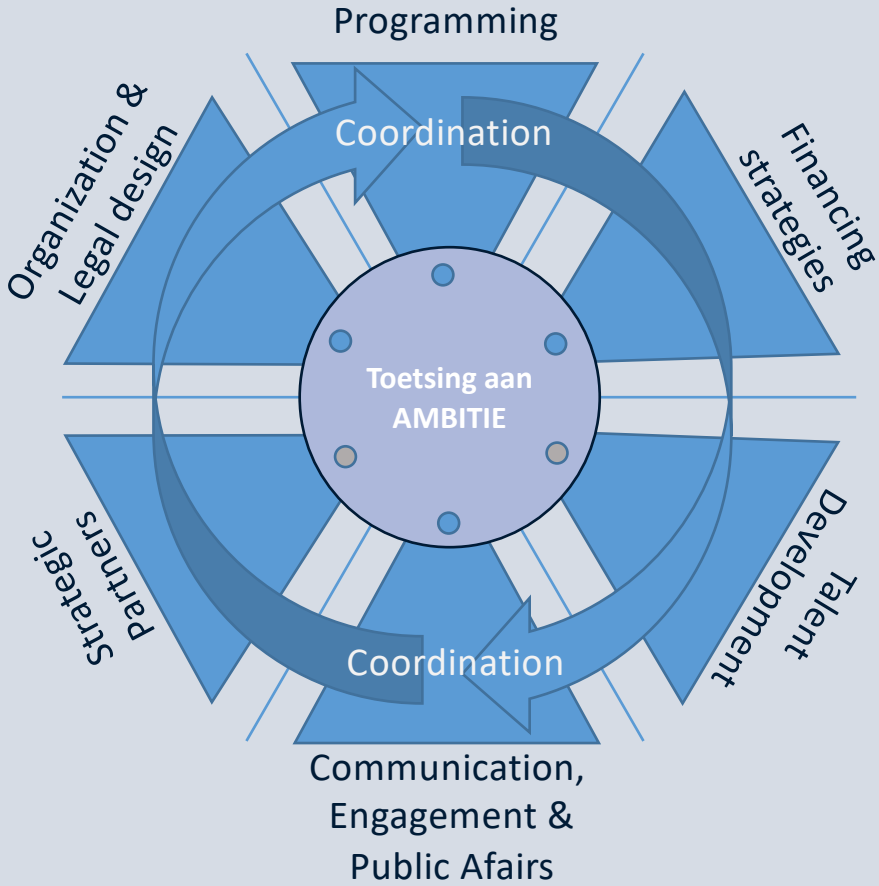
- **BITS will achieve groundbreaking outcomes for Defense, the region, as well as the Netherlands, EU, and NATO through public-private partnerships.**
- **The strengths of the Brainport ecosystem, BITS will contribute to the capacity development and advantage of Defense**
- **BITS will contribute to the technological advantage and competitive strength of the region**
- **BITS ensures the recruitment, development, and retention of scarce talent.**
- **BITS materializes scalable models for public-private collaboration to enable joint knowledge, technology, and product development with also a focus on future procurement and implementation.**



Ministerie van Defensie

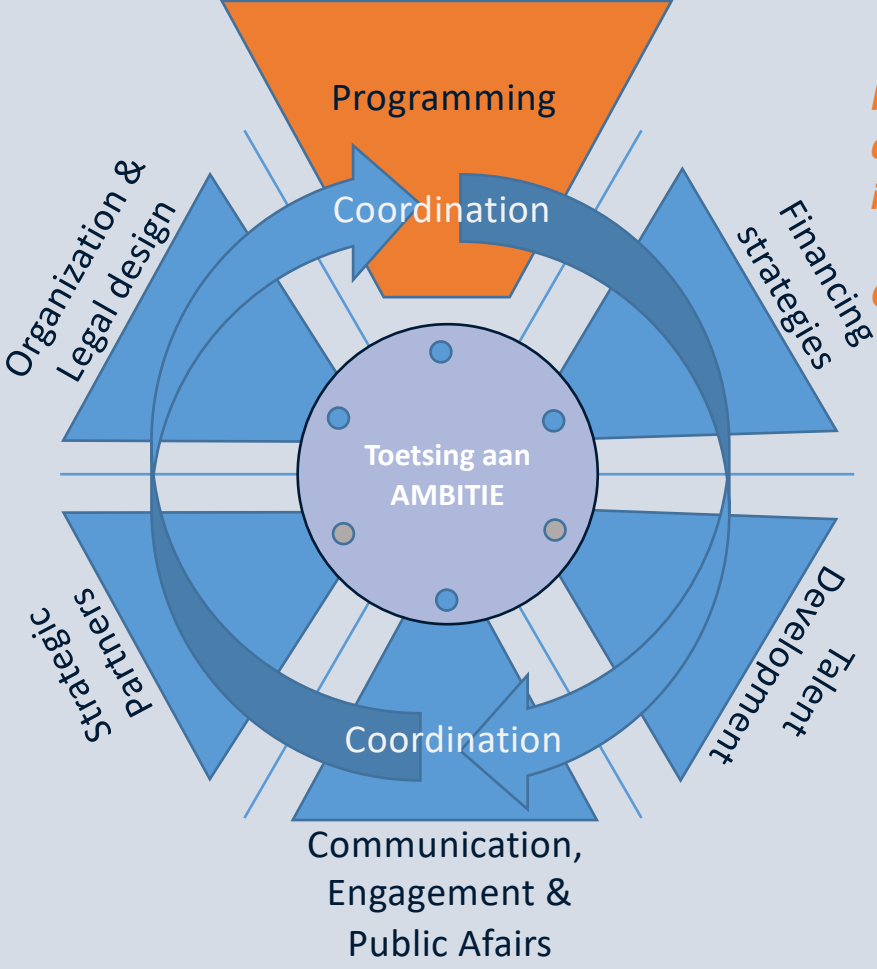
POWERING
INNOVATION

Lines of Operations



- Teams
- Owner(s)

Lines of Operations

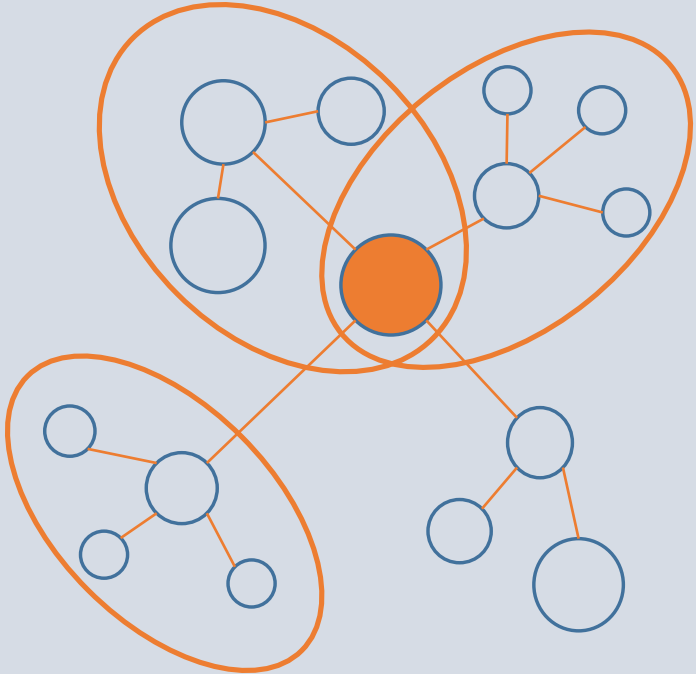
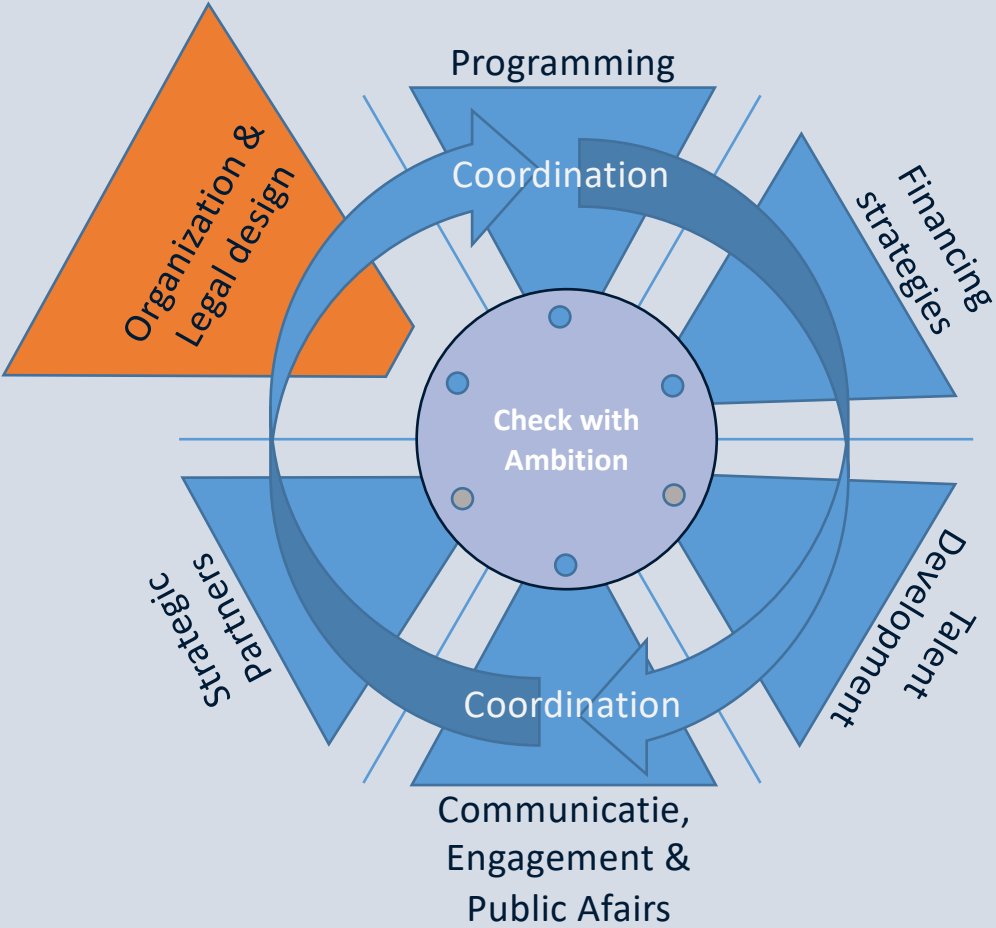


Fueling the initiative with questions, requirements and ideas

Getting results!

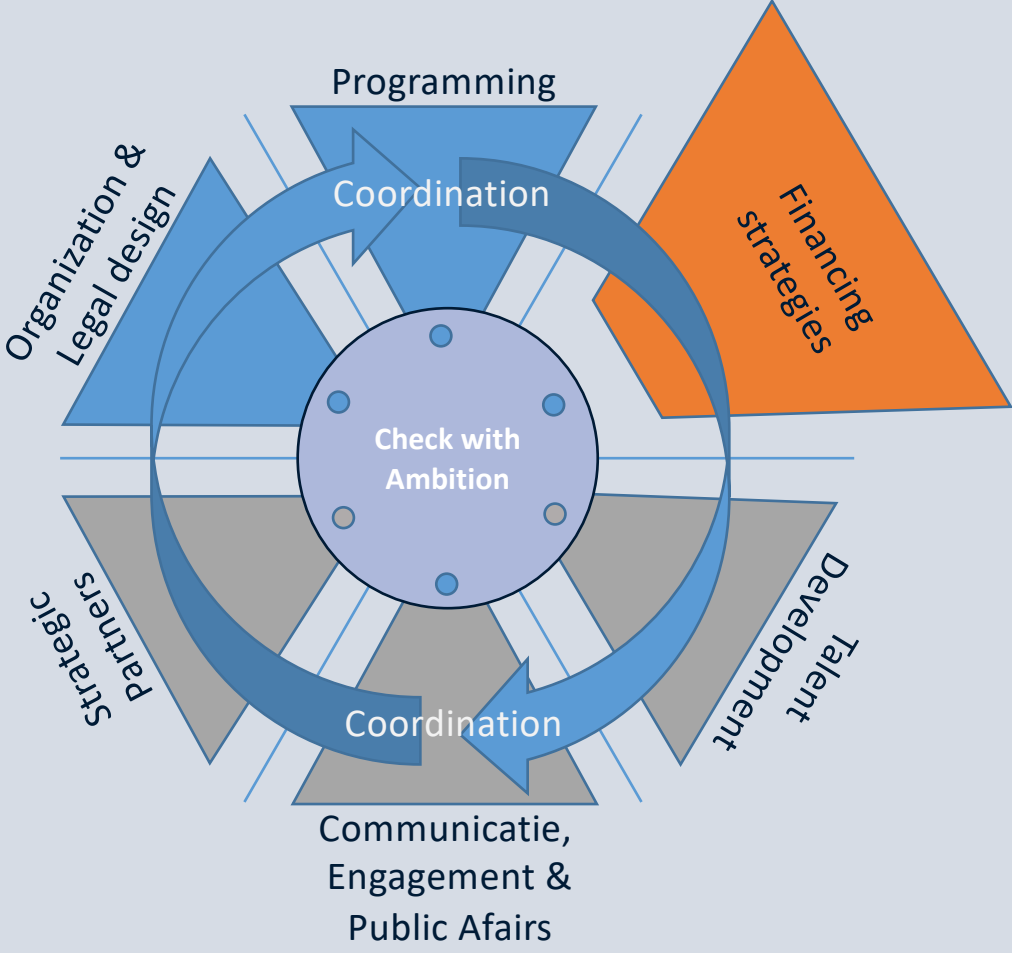
- Teams
- Owner(s)

Lines of Operations



- Teams
- Owner(s)

Lines of Operations



- Teams
- Owner(s)

Questions

Will a formalized collaboration like BITS introduce challenges which would not be present in other scenarios?

And if so, can we prevent those limitations?

Will a formalized collaboration like BITS introduce new solutions?

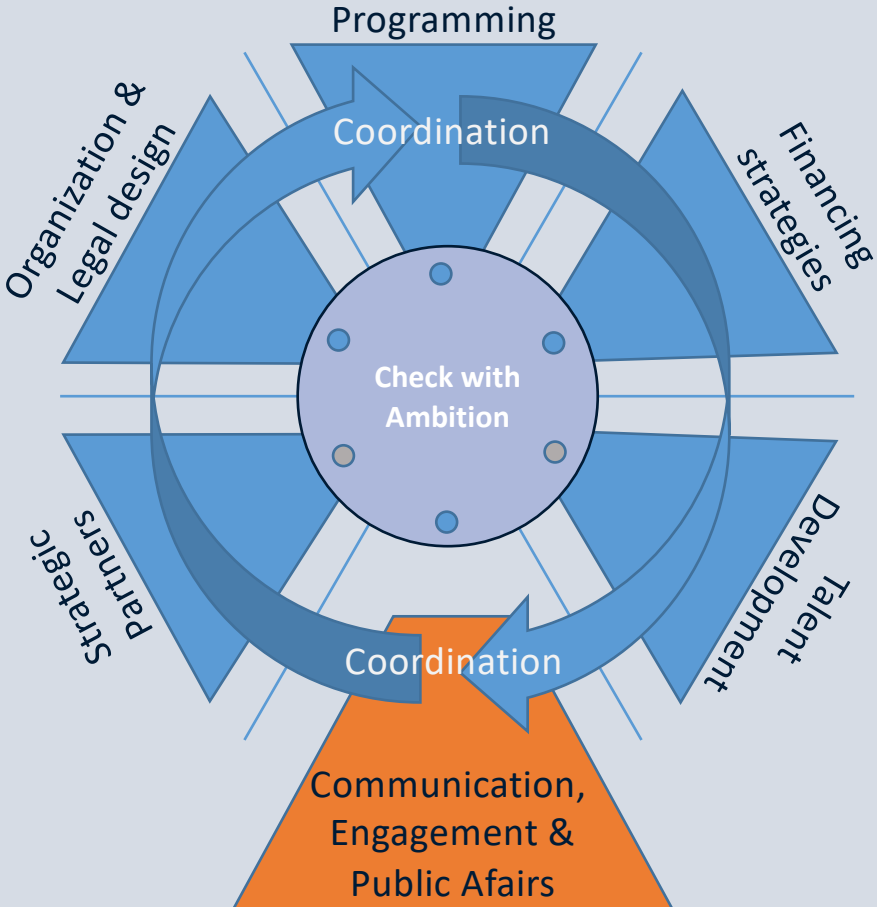
LET'S FIND OUT TOGETHER!!



Ministerie van Defensie

POWERING INNOVATION

Lines of Operations



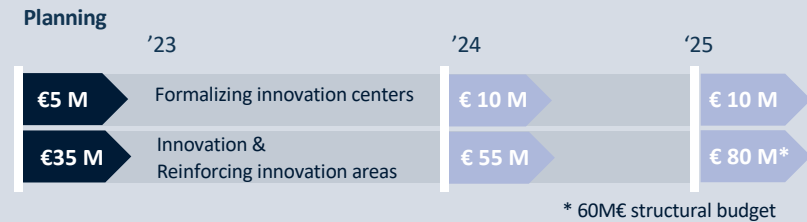
- Teams
- Owner(s)

Innovative Capacity

Innovation Accelerator

The extent to which Defence is capable to timely identify relevant developments and to timely develop capabilities (operational concepts, trained people/units, materiel, facilities) and to use these to its competitive advantage

The Innovative Capacity depends on 3 factors. Together they form the **innovation Accelerator**



+Conditions

+ Execution

+ Management

Develop an innovative organisation & culture
Innovation management, budgets/people, leadership, communication, legal framework, skills

Innovation
Short-Cyclical Methodology, cooperation & coherence
Programs, projects & initiatives

Vision, Strategy, Portfolio
9 Innovation Areas*, managed flexibly by means of portfolios for innovation projects.



+Strong Innovation Centers
+ visible & integrated
+ expert knowledge
+ innovation as means & mindset
+ management of the innovation chain

Cooperation & Eco-systems
Strengthening partnerships, internal, regional, national & international.
Investing in eco-systems and new forms,
for example:



Defence Innovation Platform
+ innovation findable, visible, measurable
+ iterative & skills based teamwork
+ transparent, innovators' initiative & ownership, relevant data

FLSB
Fieldlab Smartbase

Defence campus (in formation), in cooperation with regional partners, with a focus on The Military Base of the future

Brainport
Safety & Security Campus

Unique cooperation with Brainport, 13Ltbrig, fire brigade, police, customs and the region

MINDBASE
R'dam, Brainport, Twente

Regional presence, projects with schools & universities, engaging & binding



BRIGHTLANDS
Ecosystemen & consortia

Accelerate & Innovate with a variety of partners (region, education, start-ups, etc.)

NATO
DIANA

Supporting European innovation projects

EU
HEDI

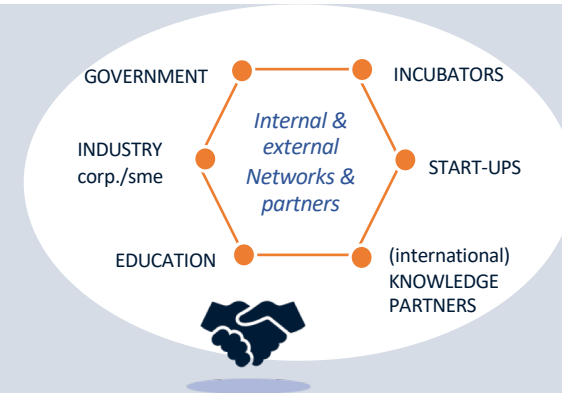
Establishing HEDI hub, Accelerating EU innovation

Edge in Combat



With the current rate of technological development, failing to innovate means falling behind. Therefore, the Netherlands Ministry of Defence will continue to take the lead in research and development, as well as in the exploration of new domains and the ability to innovate.

Action Line 5 DEFENCE WHITE PAPER 2022



WHY

Our ambition ...

To establish a **new leading edge**, to enable Defence to win tomorrow's war.

To identify **faster** relevant **developments** (opportunities and threats) in order to create smarter **capabilities**.

HOW

Smarter, faster, stronger

- **Knowledge is power:** we invest in research & in strengthening the knowledge base
- **Speed from the start:** we reinforce innovation centers & implement innovation management
- **Stronger together:** we intensify collaboration & ecosystems and expand experimentation (CD&E) facilities

Partners in innovation

Allies and partners are essential for Research, Development and Innovation, also in new domains

NLD Defence Industrial Strategy:

- Strengthening knowledge building
- Protecting vital knowledge, investments & innovation in the Technology & Industrial Base
- Extending international positioning

Push & pull industry

TRL 1



Knowledge base

DGB

Technology development



CD&E

CDS

TRL 9

R&T Areas
Building a wide technology base

Focus via 9 Innovation areas
Flexibly managed via portfolios

WHAT



Innovative Capacity

[#innovationaccelerator](#)

The extent to which Defence is capable to timely identify relevant developments and to timely develop capabilities



R&T

[#R&T Areas](#)

9 R&T areas define the current & future **Knowledge needs** and connect **technologies to their military context**



Innovation

[#Innovatiearea](#) [#Transparency](#) [#Focus](#) [#Flexibility](#)

9 Innovation areas provide a flexible focus by means of portfolio's for innovation projects, for instance: