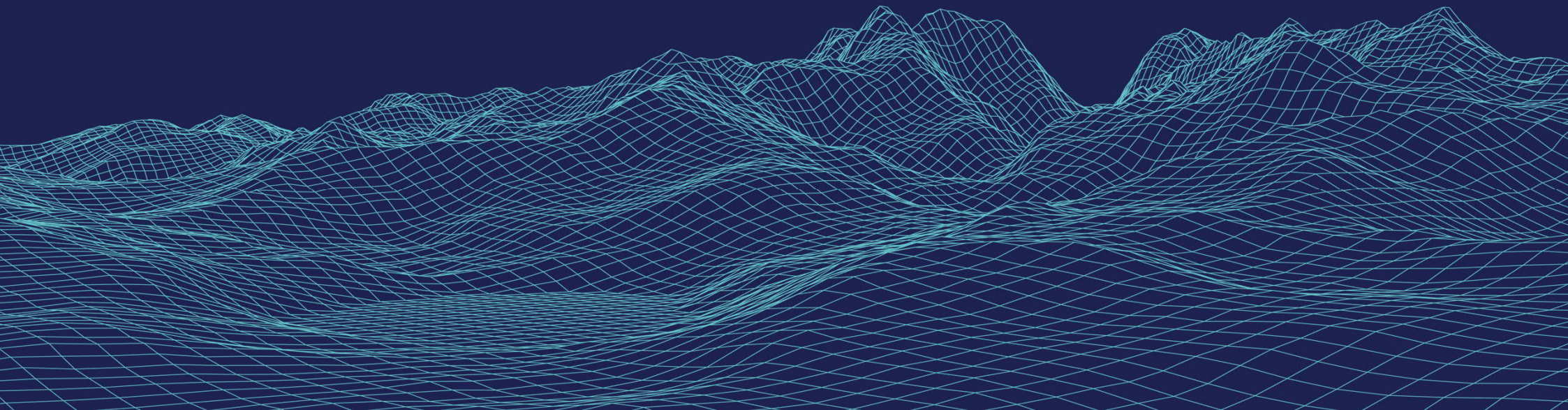


) DIGITAL
DEFENCE
ECOSYSTEM

FROM
INNOVATIONS
TO CAPABILITIES



DDE BACKGROUND



INCREASING DEMAND FOR DEFENCE

Global security environment is in a rapid change.

Finland's NATO membership and increasing bilateral defence cooperation.



FINLAND'S STRONG COMPETENCY BASE

Finland has a strong research and industrial base in defence and high technology like Communication, AI, Autonomous systems, VR, Cyber, Space, etc.



INCREASING ROLE OF DIGITALISATION

Utilising digital and dual-use technologies in defence and security systems is becoming critical.

Emerging and Disruptive Technologies (EDT) are challenging the traditional thinking.

DDE PURPOSE

DDE PURPOSE AND STRATEGY

- DDE - Industry Driven forum aiming to Global Defence Markets and business growth.
- DDE combines different stakeholders and provides a joint avenue to develop solutions



GLOBAL MARKETS



GROWTH



JOINT EFFORT



DDE OUTCOMES



DUAL-USE

Full utilisation of Finnish technology, competence and knowledge base.

Connecting deep-tech and start-ups to defence industry.



NETWORKING

Multi-industry networking locally and internationally.

Enhanced co-operation with industries from Finland's ally and partner nations.



NEW SOLUTIONS

Developing modern digital defence solutions to answer the growing need for stronger defence.

DDE MEMBERS

RESEARCH INSTITUTES

VTT

 Tampere University

 JYVÄSKYLÄN YLIOPISTO
UNIVERSITY OF JYVÄSKYLÄ

DUAL-USE TECHNOLOGIES




DEFENCE SOLUTIONS







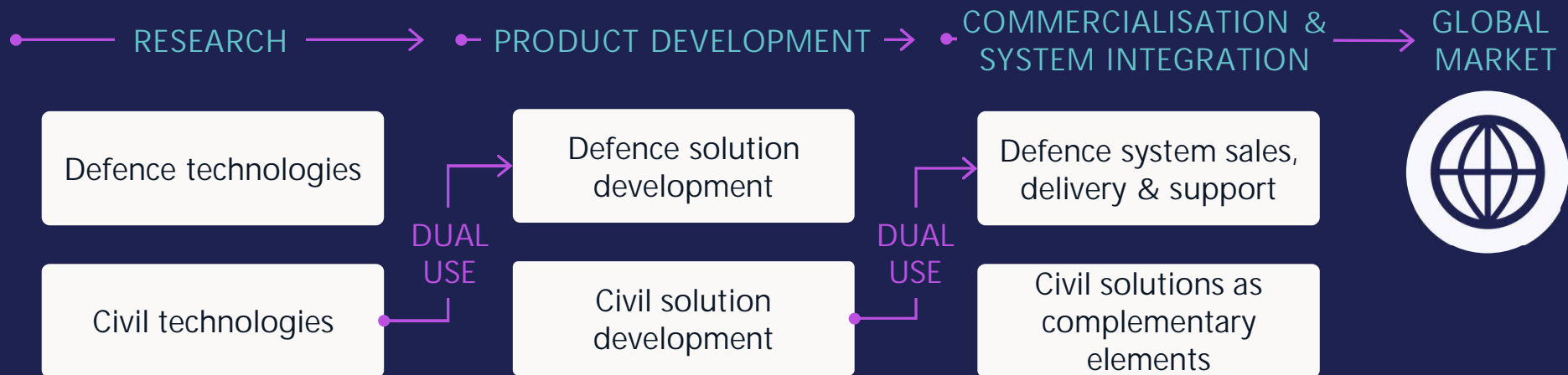




COORDINATOR



FROM INNOVATIONS TO CAPABILITIES



WHAT IS THE PROBLEM IN DEFENCE?

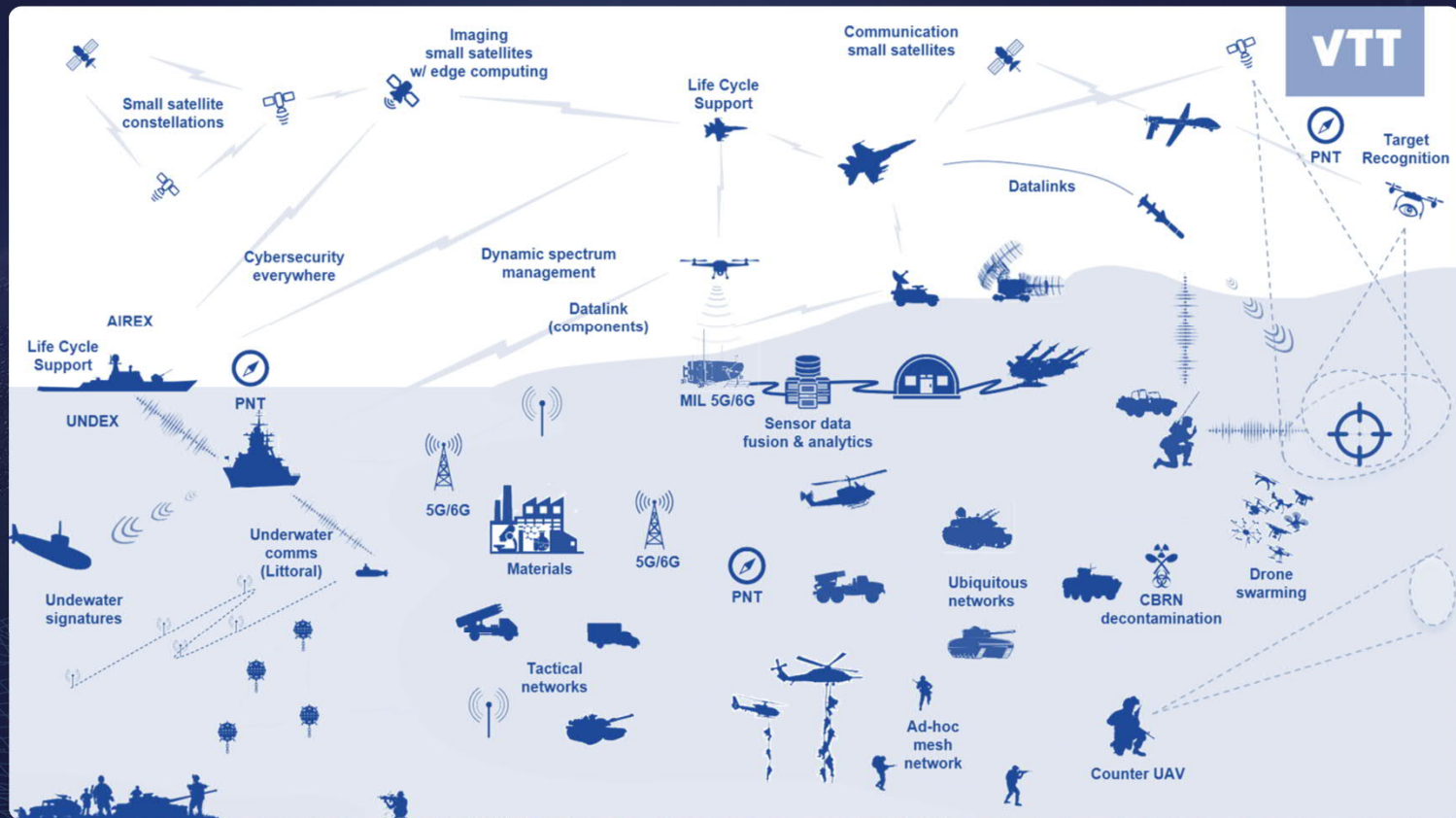


50 MILLION USERS?



HOW TO PLAN COMPLEXITY?

SPACE
AIR
LAND
SEA
CYBER
INFORMATION





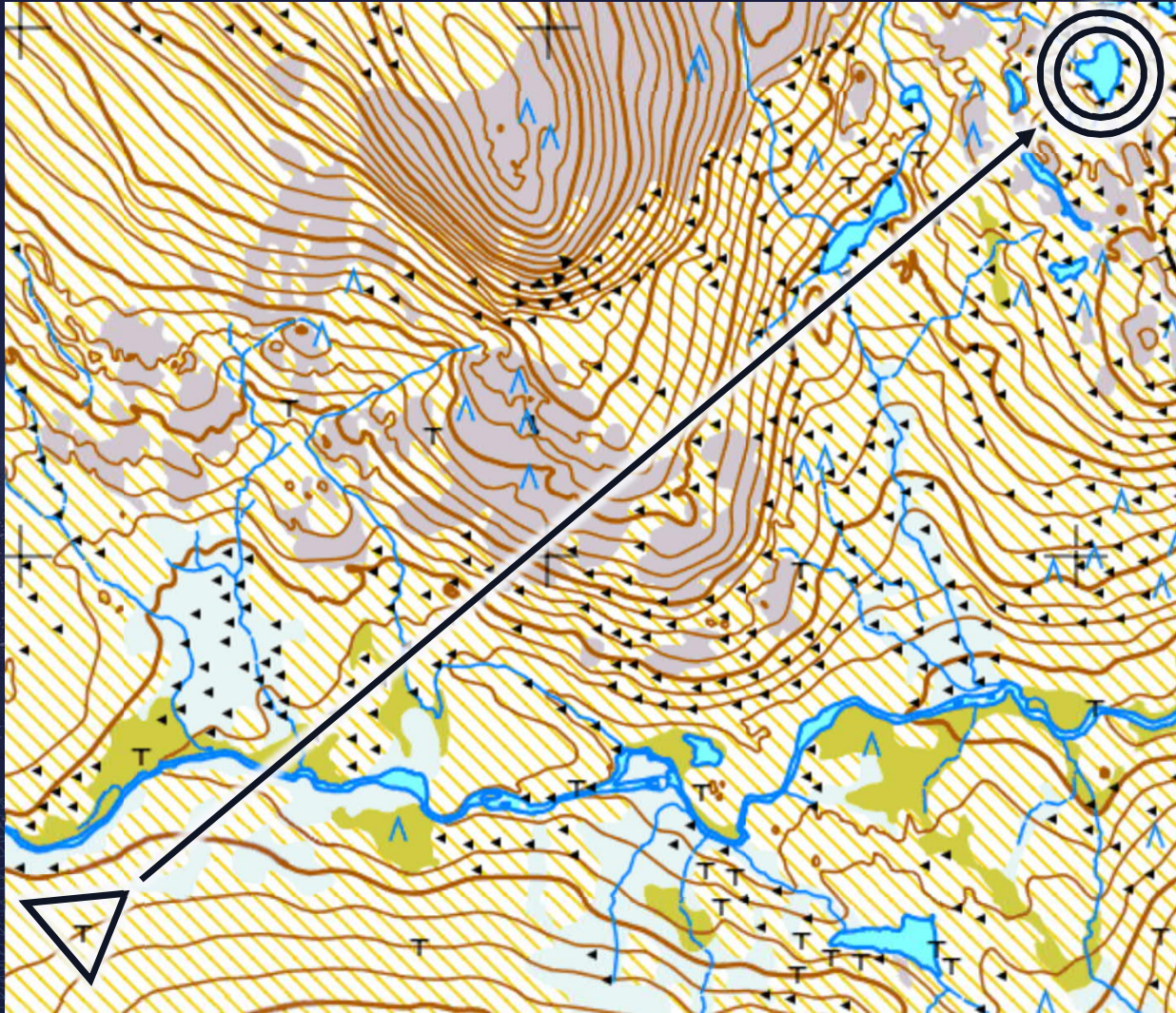
HOW TO PLAN COMPLEXITY?

WITH RAPIDLY DEVELOPING
TECH?

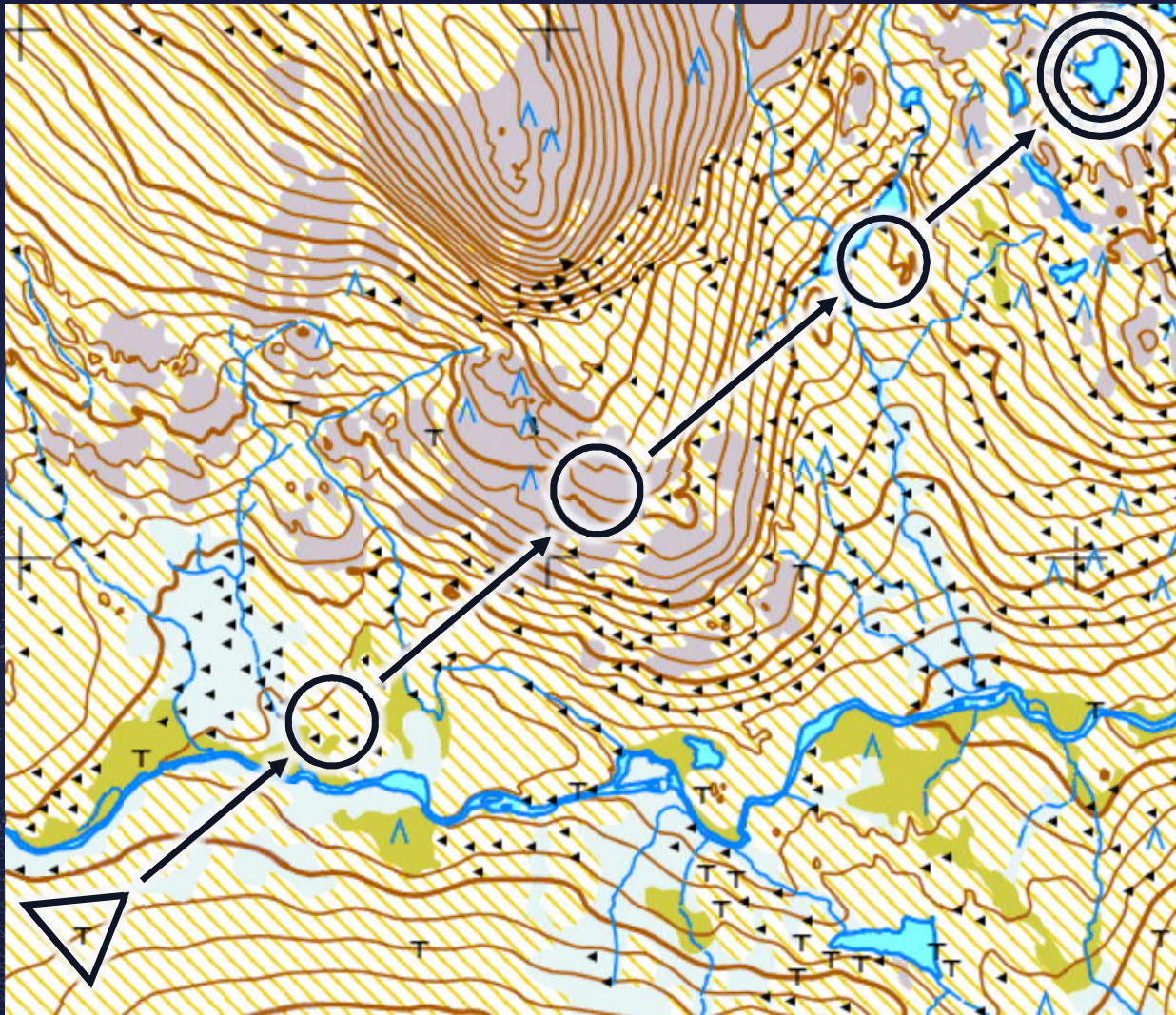
YOU CAN'T!

HOW IT'S DONE IN MODERN BUSINESS THINKING?



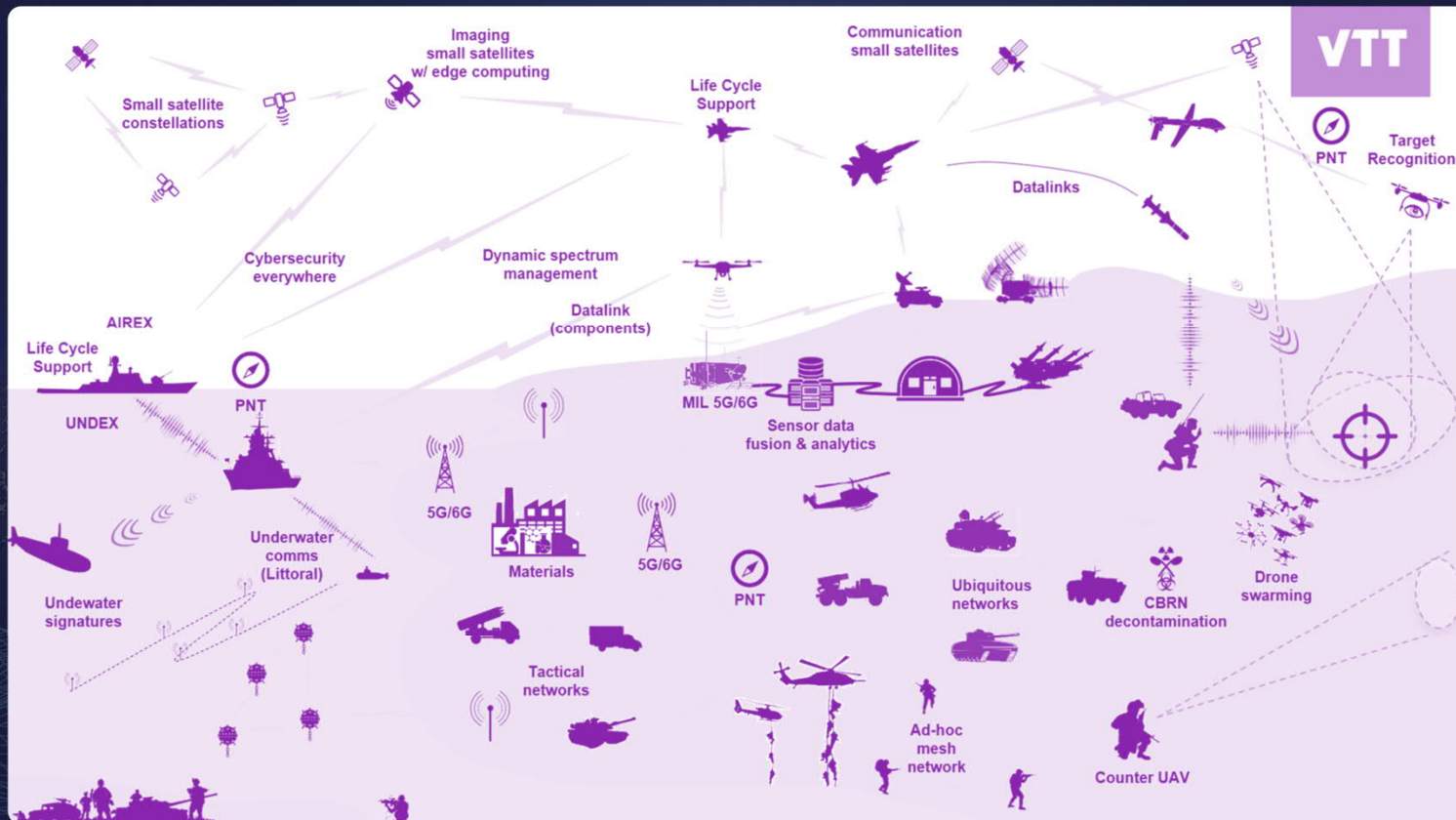


TRADITIONAL PLANNING – OLD WORLD



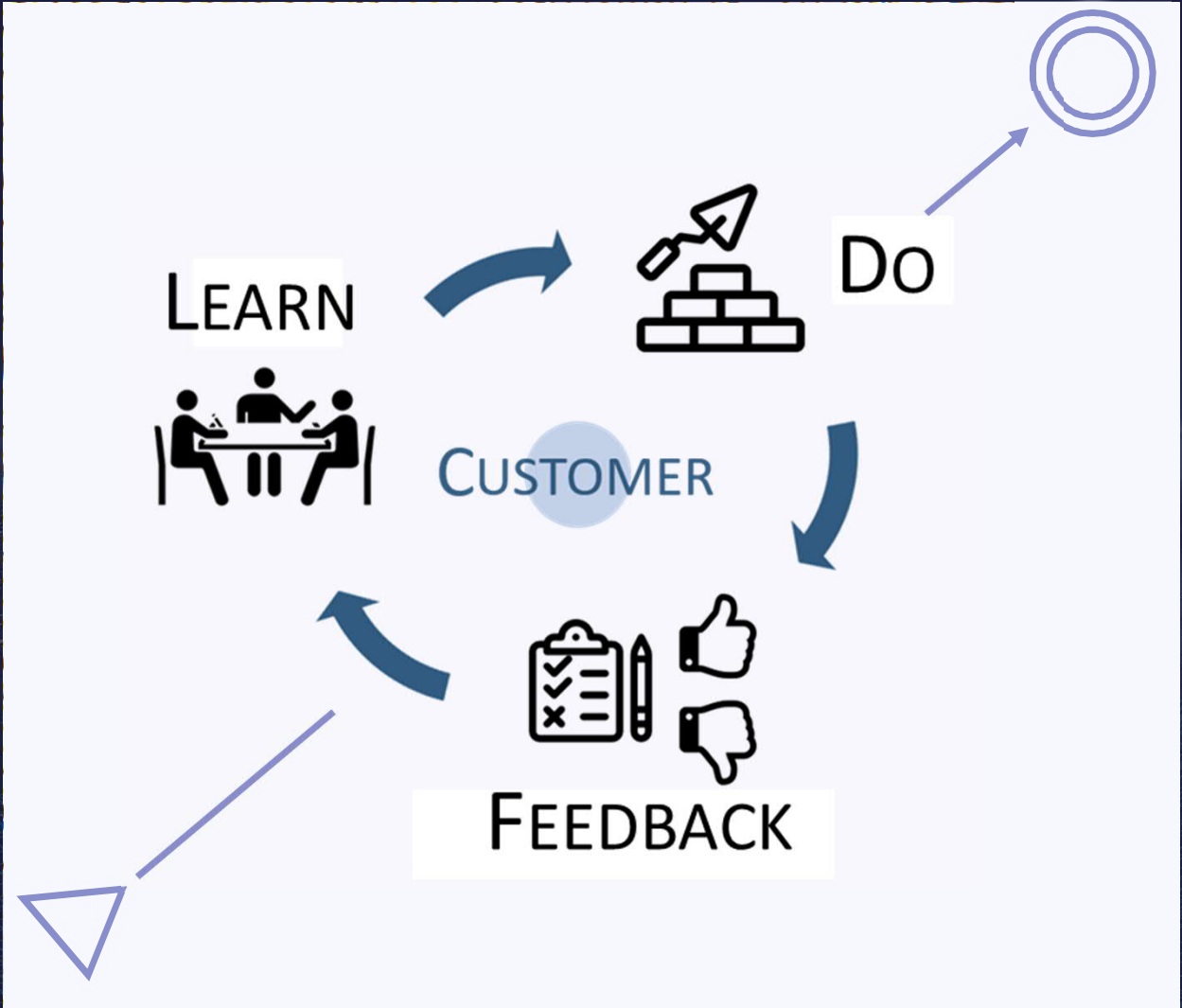
TRADITIONAL PLANNING – OLD WORLD

WHAT IF THE TARGET IS UNCLEAR?

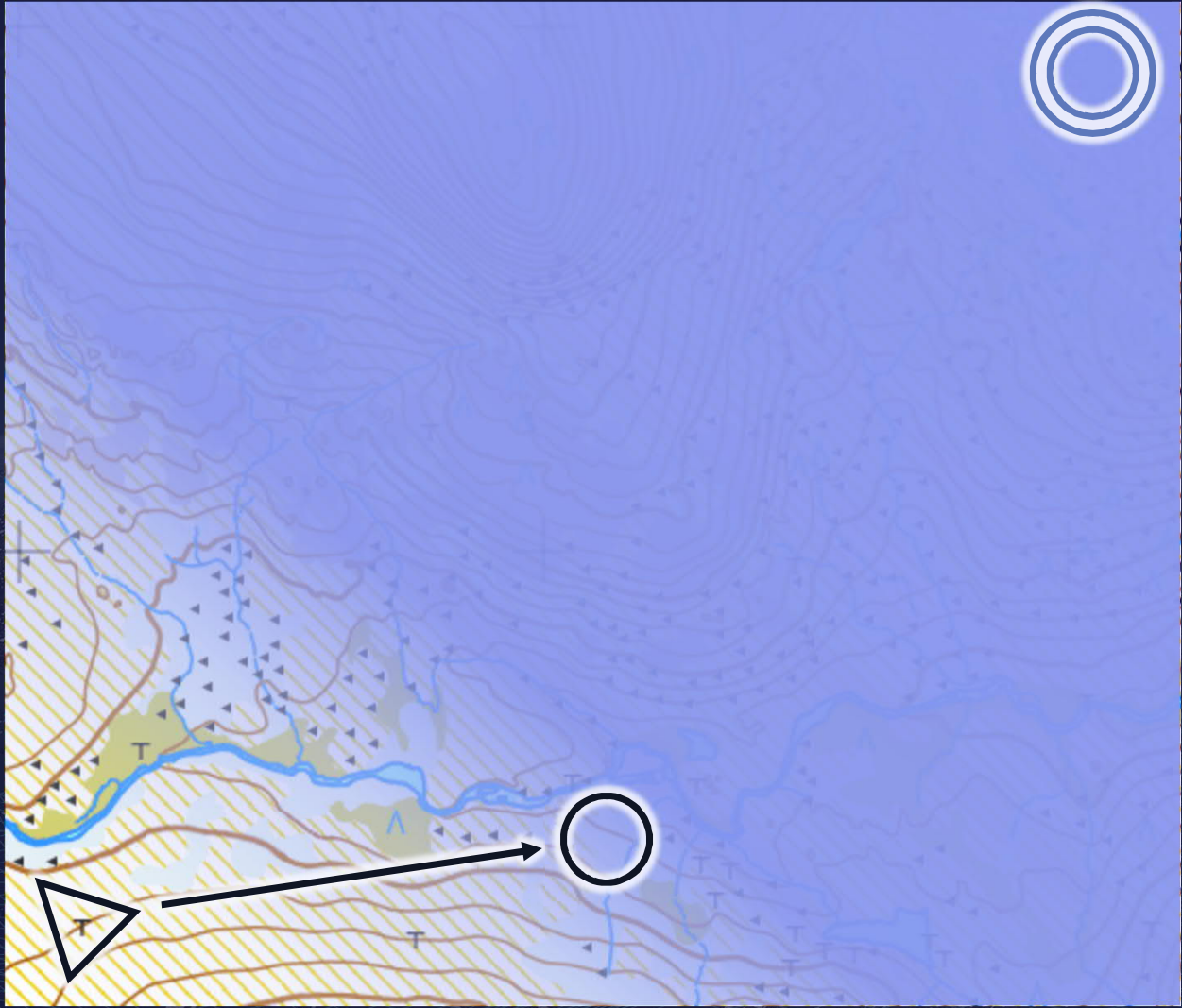




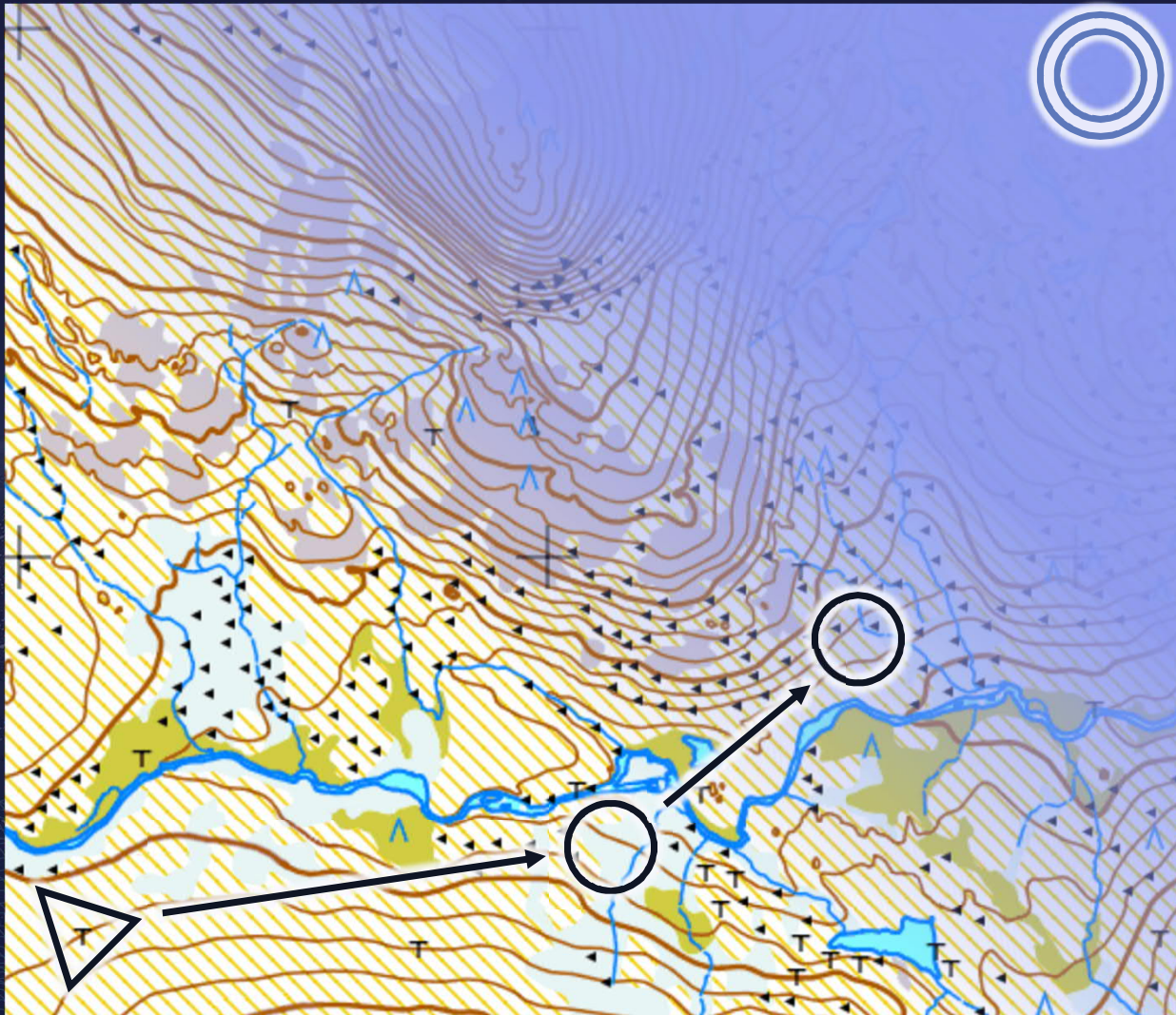
TRADITIONAL PLANNING – NEW WORLD



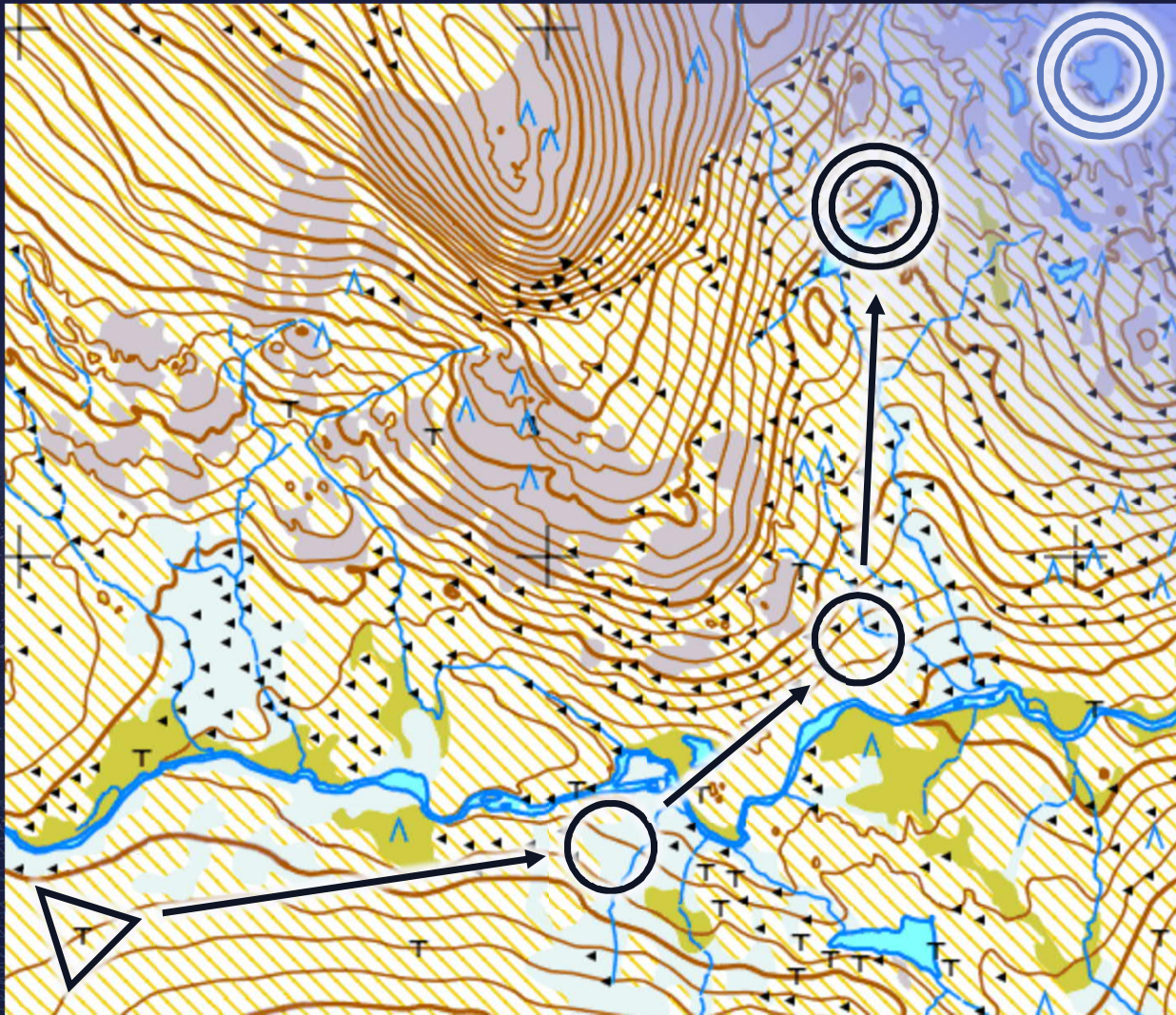
LEARN BY EXPERIMENTING



LEARN BY EXPERIMENTING



LEARN BY EXPERIMENTING



LEARN BY EXPERIMENTING



YEAR 0



YEAR 1



YEAR 2



YEAR 3

YEAR 4

YEAR 5



LIVING BUSINESS

DEVELOPMENT DRIVEN BY
REAL CUSTOMER USE



YEAR 0

YEAR 1

YEAR 2

YEAR 3

YEAR 4

YEAR 5



LIVING BUSINESS

DEVELOPMENT DRIVEN
BY REAL CUSTOMER USE



YEAR 0

YEAR 1

YEAR 2

YEAR 3

YEAR 4

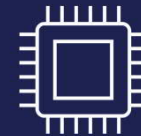
YEAR 5



DDE ACTIVITIES

DDE ACTIVITIES

- Funding Programs & Financing
- Agile Pilots and Proof-of-Concepts
- Research and Development Programs
- Testing & Validation Environments
- Capability and Competence Development
- Marketing and Events
- Building Research & Business Partner Networks
- Joint Export Activities



Q&A

