



# 21strategies

AI beyond human limits.

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# 21strategies in a nutshell



FOUNDED  
2020

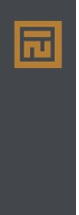


STATUS  
Private, profitable



STAFFERS 2025  
30

- 21strategies is a **product company** for next-generation AI systems, serving both **B2B and B2G** markets.
- Our business model is based on OEM partnerships, military SaaS, and AI-based capability development consulting.
- We are **direct supplier** to Armed Forces.



# Mission and vision



## Mission

We enable organizations to achieve tactical superiority. Our next-gen AI delivers speed, and superior decision-making in VUCA environments – from the battlefield to the boardroom.



## Vision

We are the trusted expert for control in chaos. Without our Third Wave AI systems, armies lose wars and businesses fail to create more value.



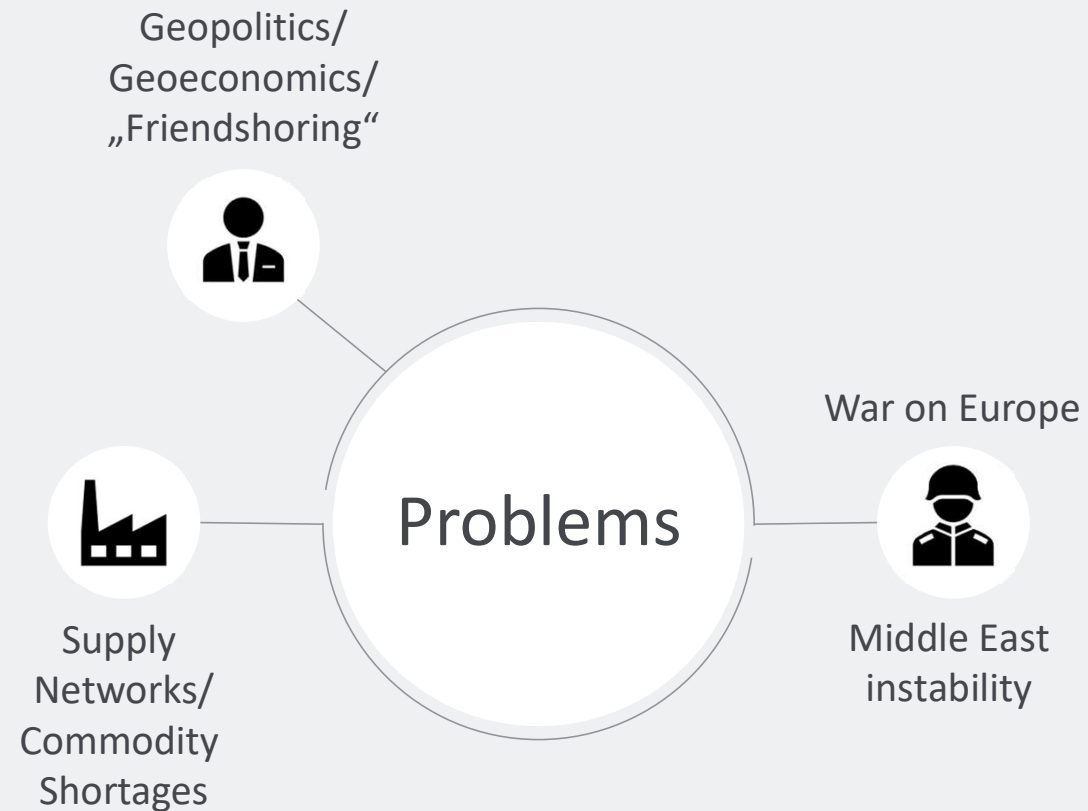
“Stability is no longer the norm but the exception.

– Henry Kissinger

# Global changes affect the landscape of national security

Today's global competition is no longer just about territory – it is about business models, technologies, and supply chains, making resilience and superiority decisive for nations and industries alike. Key drivers of the new normal are:

- ➔ Diverging concepts of sovereignty
- ➔ Armed conflict in Europe and instability in the Middle East
- ➔ Rising global arms race
- ➔ Resource and energy insecurity
- ➔ Cyber threats / war on democracies as destabilizing forces



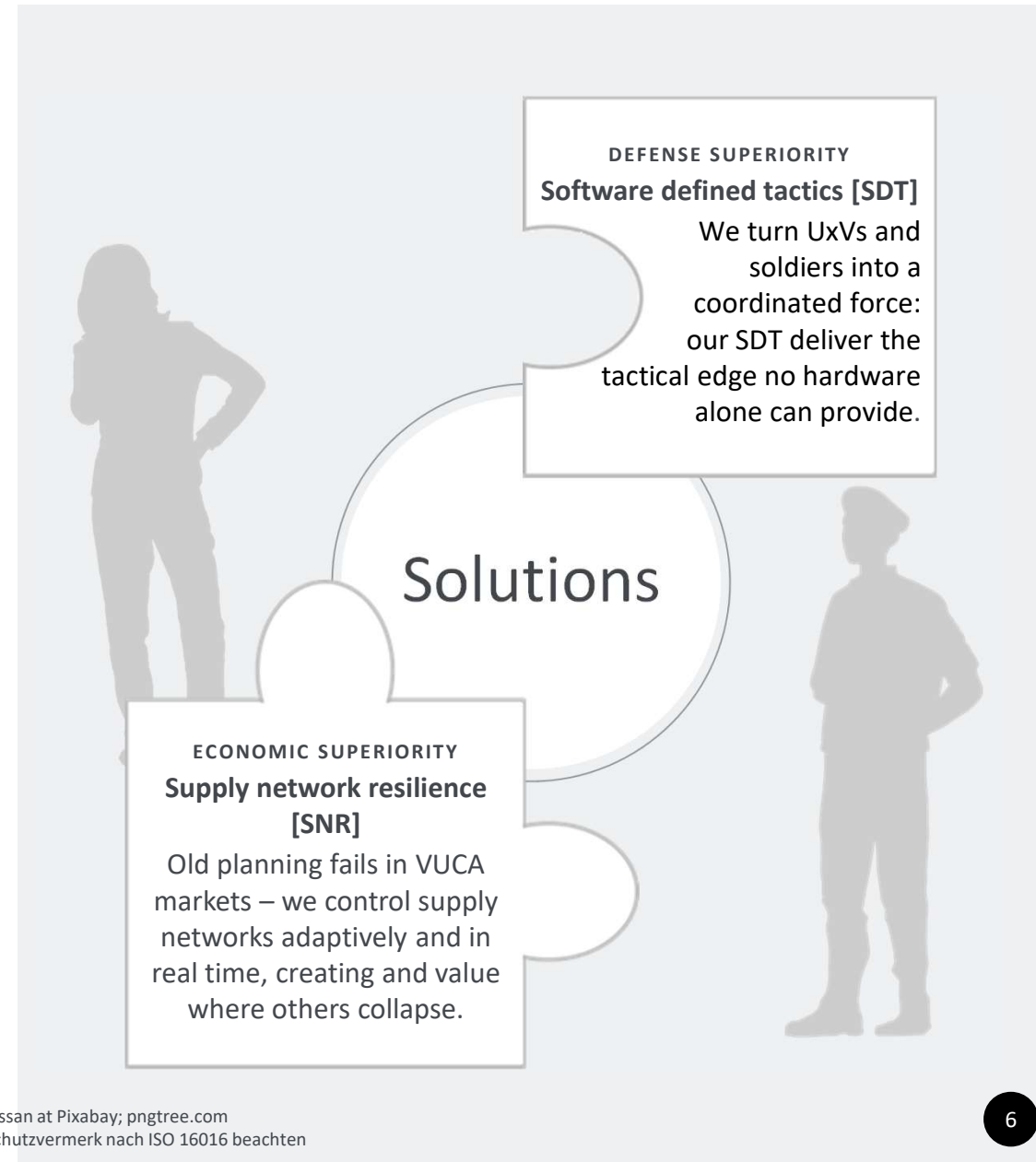
# We enable superiority in the value chain of national security

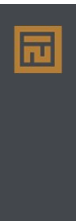
## Economic superiority **for the industry**

- ➔ Core product: Flow21
- ➔ How it works: Real-time control of supply networks
- ➔ Focus: Optimal supply chain execution in volatile markets

## Tactical superiority **in defense**

- ➔ Core product: Defense Metaverse, JATOC, Cores-X
- ➔ How it works: AI-driven, software-defined tactics
- ➔ Focus: Enabling autonomy and adaptive operations





# Our products



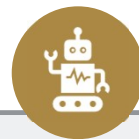
hedge21<sup>®</sup>  
(deferred and spin-off candidate)



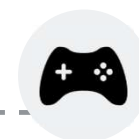
flow21<sup>®</sup>



tactics21<sup>™</sup>  
(aka: Defense Metaverse)



JATOC<sup>™</sup>  
Joint Autonomous Tactical  
Operations Core



CORES-X<sup>™</sup>  
(work in progress)

- Red Team Component
- reco21 Component
- WTA Component
- Geo Service Component
- Data Analysis Component
- AI gym Component

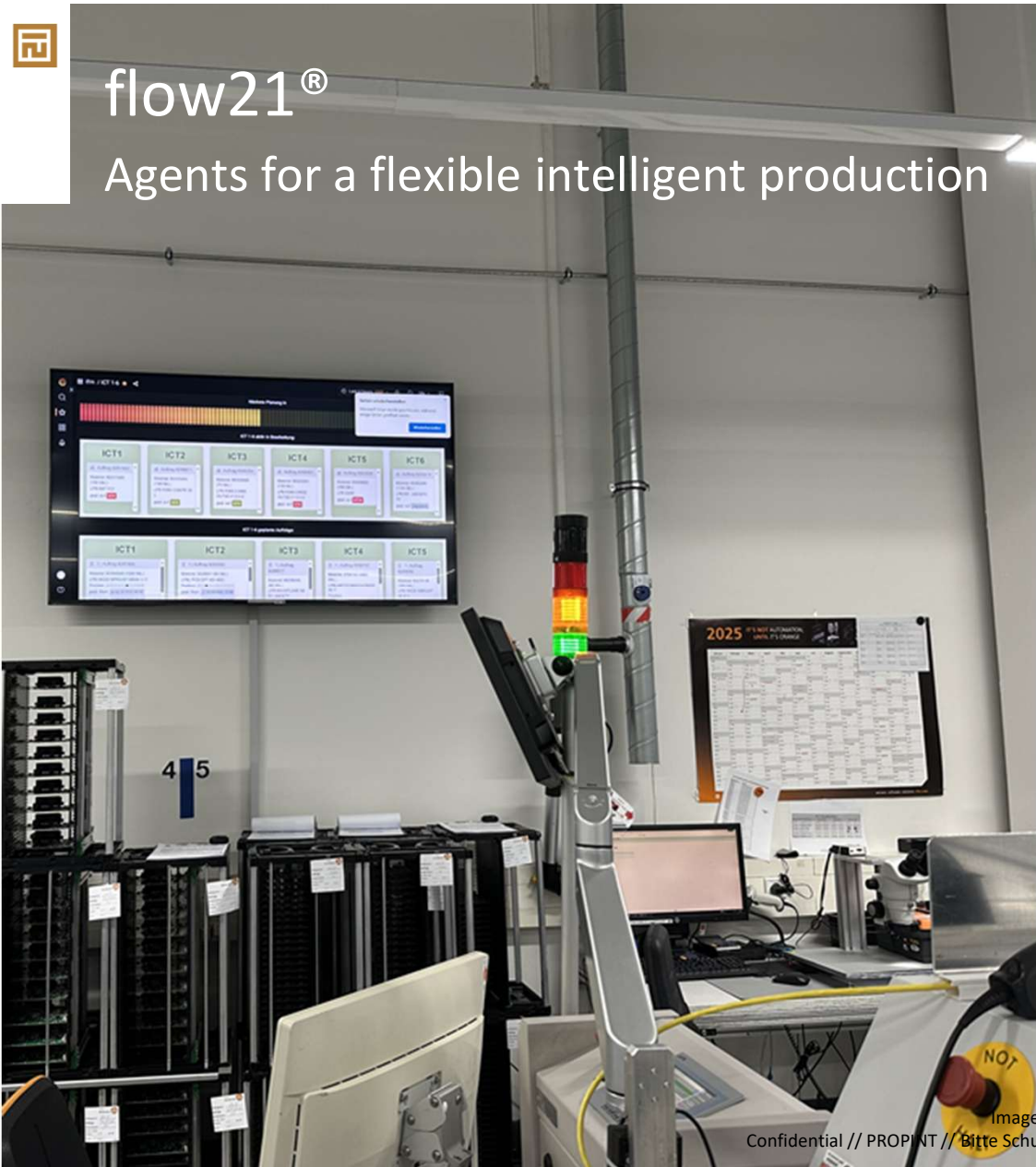
Industry

Government



# flow21®

## Agents for a flexible intelligent production



### Core features and customer benefits

- Collaborative bottom-up planning of order sequencing for **shorter delivery times**
- Seamless integration of inventory data for **smarter decision-making**
- Reduced idle times for **improved throughput**
- Optimized machine utilization for **higher efficiency**
- Predictive intelligence to **anticipate bottlenecks**
- Self-learning process that adapts dynamically to **changing conditions**
- Scalable multi-agent system for site-wide and **cross-site optimization**
- Effortless **extensibility** with non-intrusive integration of additional agents

# Case: Optimizing Matrix Production with flow21

Every day, something breaks in manufacturing.

A lost order.  
A machine that stopped.  
Scattered data.

Matrix production involves high complexity, with dynamic orders, inventories, and machine utilization. ERP batch planning plus manual decision-making leads to bottlenecks, idle times, and inefficiencies.



Adaptive sequencing, and collaborative control, based on real-time visibility, are required to keep throughput high, keep track of orders and react flexibly to events and exceptions.

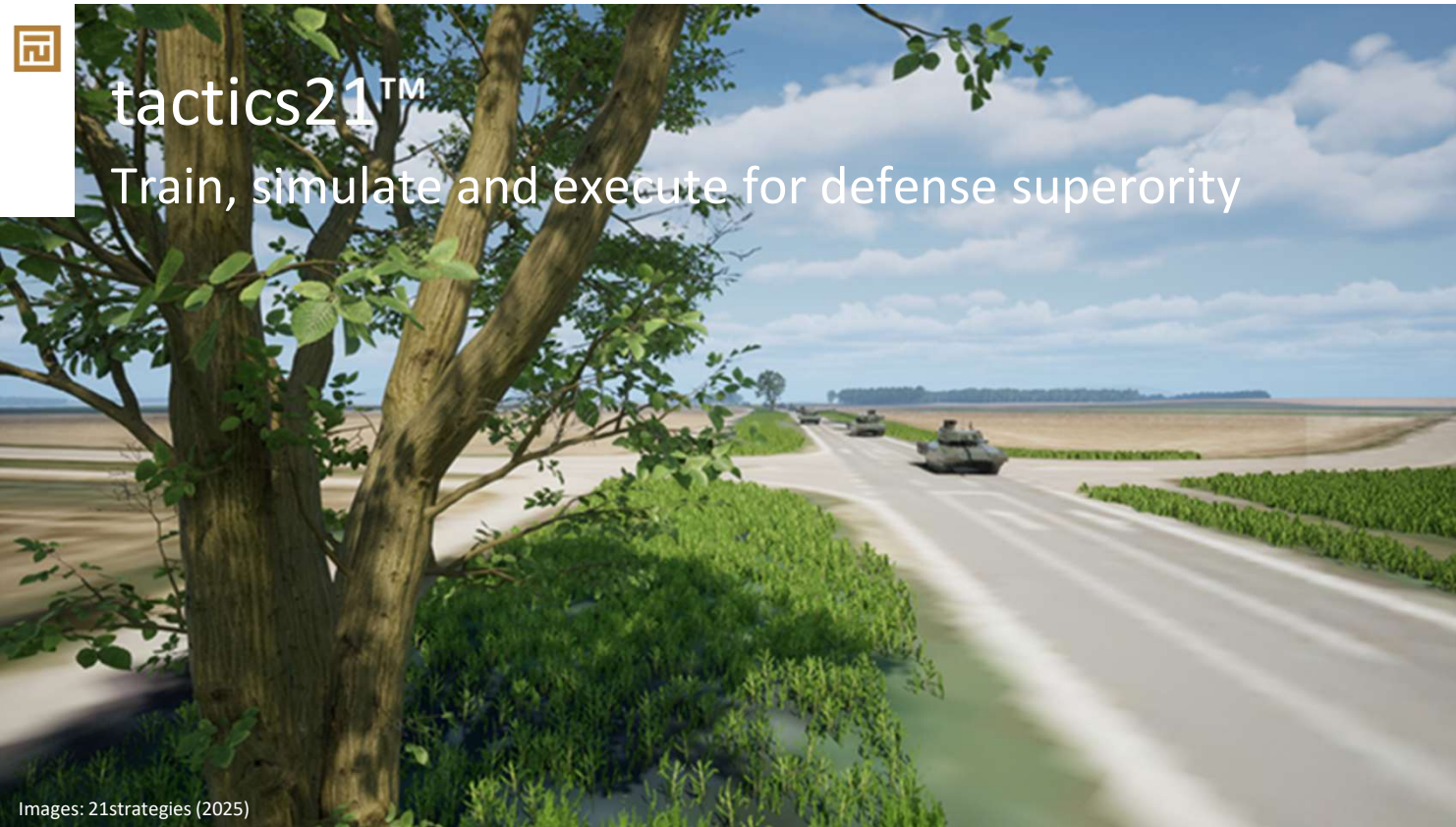


flow21® provides AI-driven, inventory-aware optimization and collaborative bottom-up supply execution. Its multi-agent system enables cross-station/cross-site coordination, reduces idle times, and increases resilience within the entire production.



# tactics21™

Train, simulate and execute for defense superiority



Images: 21strategies (2025)

## Key components

- AI Gym / **AI Factory** – Learning AI policies under adversarial conditions
- The **Defense Metaverse** – A virtual twin of the battlefield for realistic simulation of tactical AI.
- Plug-and-play **Tactical AI Modules**

## Customer benefits

- Faster capability development via realistic AI-based red teaming
- Reduced risk via safe, simulation-based experimentation („digitale Einsatzprüfung“)
- Greater insights into battle KPIs through statistical scenario analysis





# JATOC®

## Technical autonomy for military platforms



## Core features and customer benefits

- Platform-agnostic integration: One solution for UAVs, UGVs, and USVs, **free from vendor lock-in**
- Collaborative autonomy: Coordinated, **multi-platform, multi-domain** missions
- AI-driven decision-making: Resilient operations in contested and **GPS-denied** environments
- Edge-level processing: Fast, reliable autonomy directly at the **tactical edge**
- Scalable, modular design: Future-proof **extensibility** with sensors, effectors, and AI agents

# A JATOC™ Case

## Autonomous USVs against maritime blockades

The platform hardly matters – what counts is collaborative tactical behavior. And we work to demonstrate the first maritime solution in 2026.



The Russian “shadow fleet” challenges the security of Baltic sea lanes as part of the *Five Seas Strategy*. Manned naval vessels are costly, slow to deploy, and expose crews to risks, while also being vulnerable to escalation and asymmetric threats such as mines, drones, and sabotage.



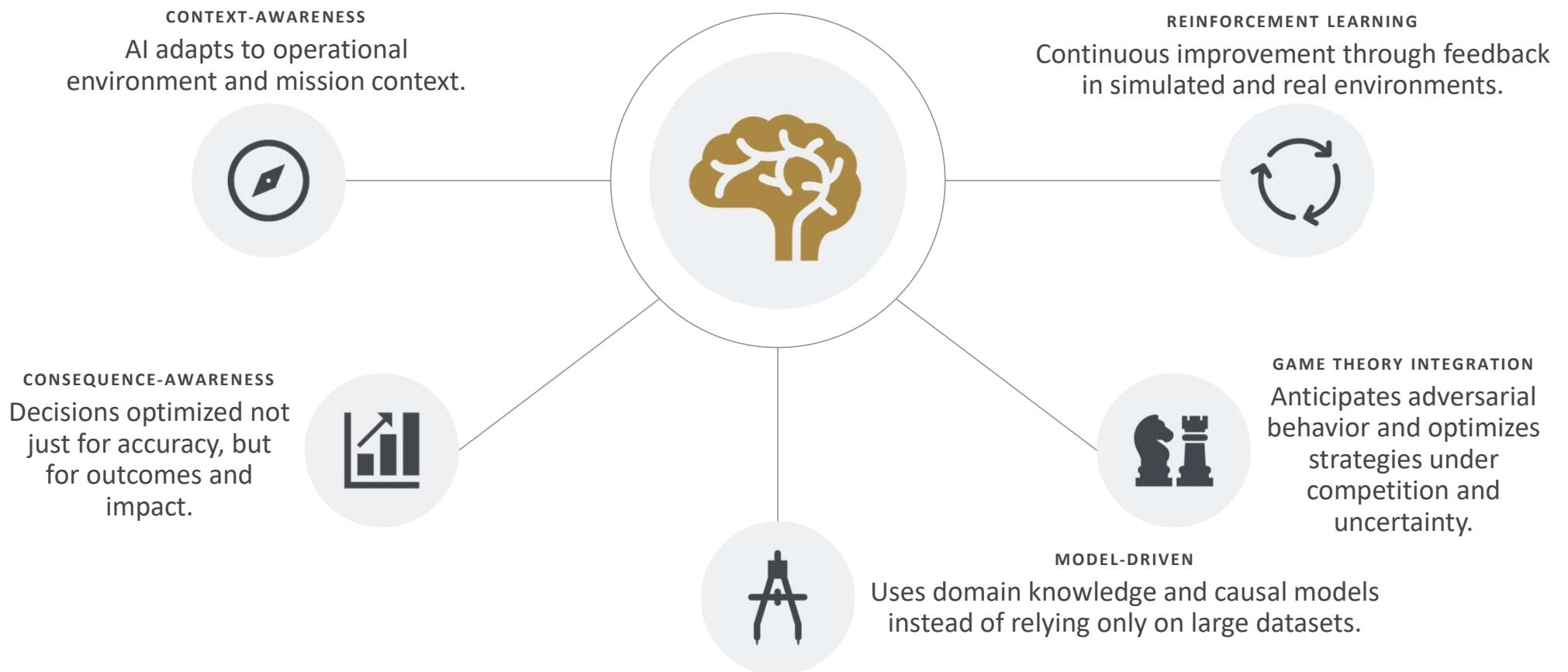
The mission requires persistent maritime surveillance by collaborative, stealth-enabled USVs that can adapt tasks during operations and call a mothership for support if needed.

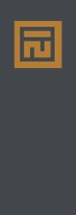


JATOC™ enables collaborative autonomy for swarming USVs, with adaptive mission control in real time. Its resilient edge AI JATOC™ ensures operations in GNSS-denied environments and allows seamless integration with larger platforms and effectors.

Image: ThomasXX2XX on Pixabay; TKMS Atlas; DARPA  
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# The tech stack behind our solutions





# Premium technology for premium clients: Deployments



BUNDESWEHR

HENSOLDT

 ATLAS ELEKTRONIK

 RHEINMETALL



 armasuisse

 SVA

iABG



“Coming together is a beginning, staying together is progress, and working together is success.

– Henry Ford



# 21strategies

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