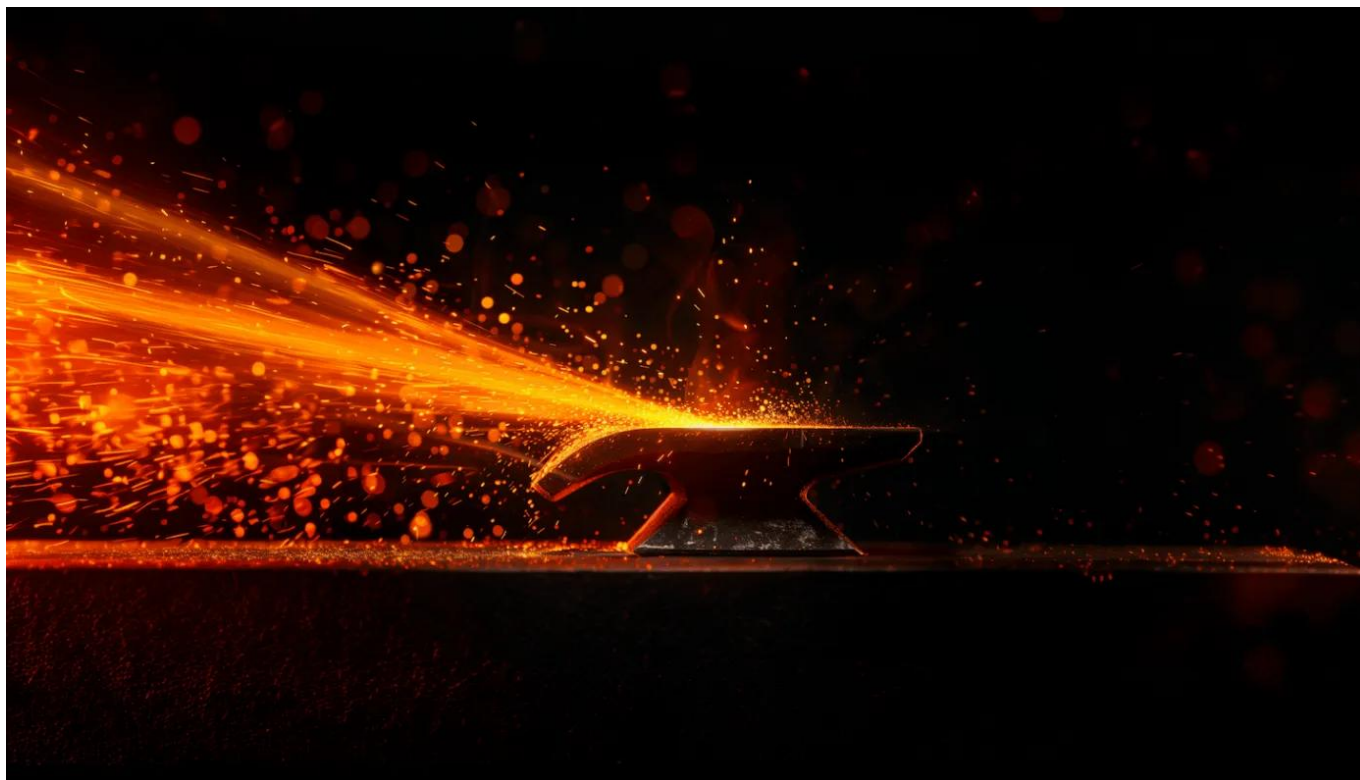


## AI Ain, AI-Enabled Cyber Capabilities in 2024, and a Look Beyond



AI Ain, AI-Enabled Cyber Capabilities in 2024, and a Look Beyond  
By Rudy Guyonneau, PhD - Director of Research, ORYXLABS

*The following is an abstract to the attached whitepaper on the impact of AI on cyber capabilities*

The importance of Artificial Intelligence (AI) in cyberwarfare has grown significantly, turning our 2019 vision into real capabilities. **AI is the cybereye that provides essential situational awareness in the cyber domain**, the fifth battlefield, by matching the machine domain's tempo: processing vast amounts of data at the speed of machines, to offer insights that human reasoning alone cannot achieve

AI can be used to enhance or even unlock a number of critical cyber defence functions, from threat detection, incident response and intelligence gathering, to training and operational efficiency. Its **integration in cyber defence is equally essential to absorb the many instances of data overload that plague the domain. Yet** its success will depend on operational adoption, massive computational power and methodical data management

Taking all of these elements into account, a strong argument emerges for the creation of a **sovereign national cyber defence platform, AI Ain**, the metaphorical anvil on which to forge and deploy the AI-enabled cyber capabilities of today - and build those of the future. Looking ahead, AI is indeed poised to **shift the advantage toward defence in**

**cyberoperations**, possibly carrying the factor of superiority in the cyber domain. That is, if  
.the power it brings and its potential implications are properly accounted for

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