

IOT ARMOUR

Next-gen Zero Trust Cybersecurity for connected IoT devices and critical infrastructure; powered by SDP and Blockchain technology



Blockchain-based digital identity for users and connected devices



Locked-down & secured access to critical IoT systems



Tamper-proof logging of all access and connectivity

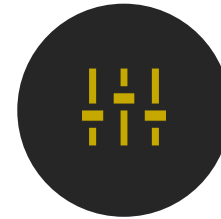
Smart, connected devices are now an integral part of our lives, in business and at home



Smart homes and offices enabled with a host of connected and smart devices



Connected cars, autonomous trucks, unmanned aerial vehicles, etc



Industrial control systems w/ cyber-physical platforms managing critical infrastructure



Smart Cities with sensors and digital mgmt. systems for energy, utilities, transportation, etc

The IoT market is expected to exponentially grow to an install base of 75.4 billion devices by 2025

The Internet of Things that connects numerous everyday devices also opens up previously closed systems to **remote access & control**

The Challenge: Existing security solutions are unable to keep pace, scale up and address the security challenges facing the fast-emerging IoT world



In 2019, the FDA confirmed that certain implantable cardiac devices had vulnerabilities allowing hackers to access a device and administer incorrect pacing or shocks.



Since 2016, researchers have shown how attackers could hijack a vehicle. In 2017, US Homeland Security cyber sleuths hacked a Boeing 757 as it sat on the runway

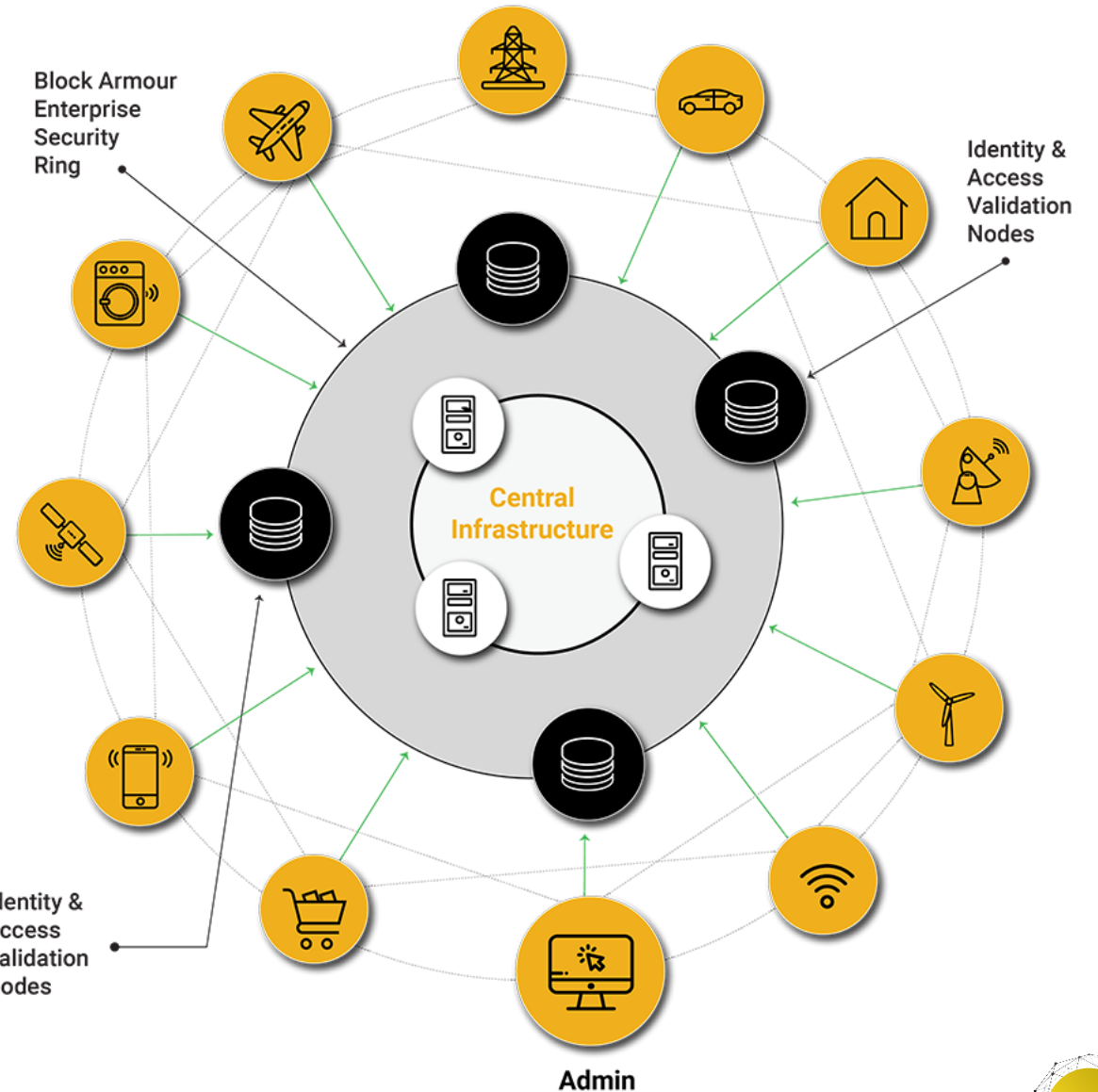


In 2021, a computer hacker gained access and attempted to poison the water system of a city in Florida by pumping in dangerous amounts of a chemical



A researcher at the Black Hat 2018 conference revealed how attackers could take control of SATCOM devices to remotely compromise security and attack planes, boats, and military tech

The Solution: Block Armour has developed an advanced Zero Trust security platform and offers **IOT Armour**, a novel solution to comprehensively secure connected devices, integrated IoT systems, and related communication networks

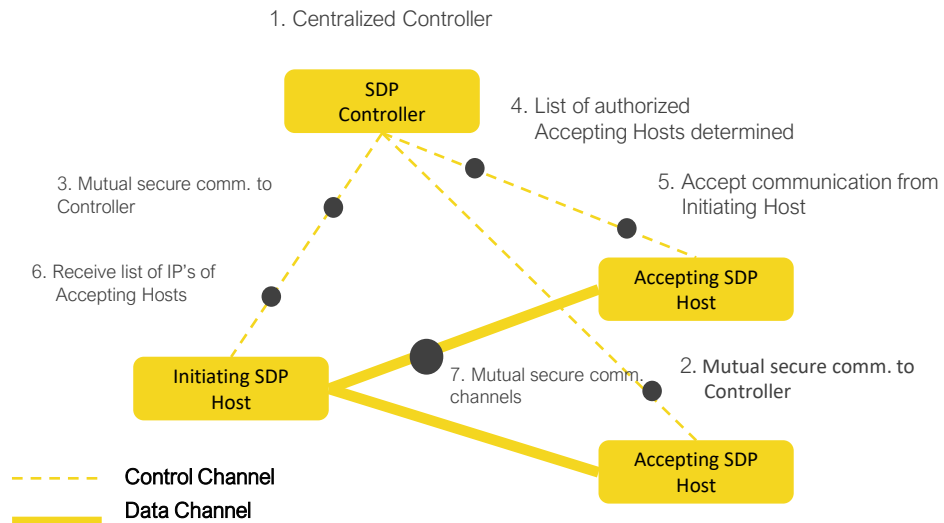


The solution is helping clients in multiple geographies to secure their modern hybrid IoT/IIoT environments

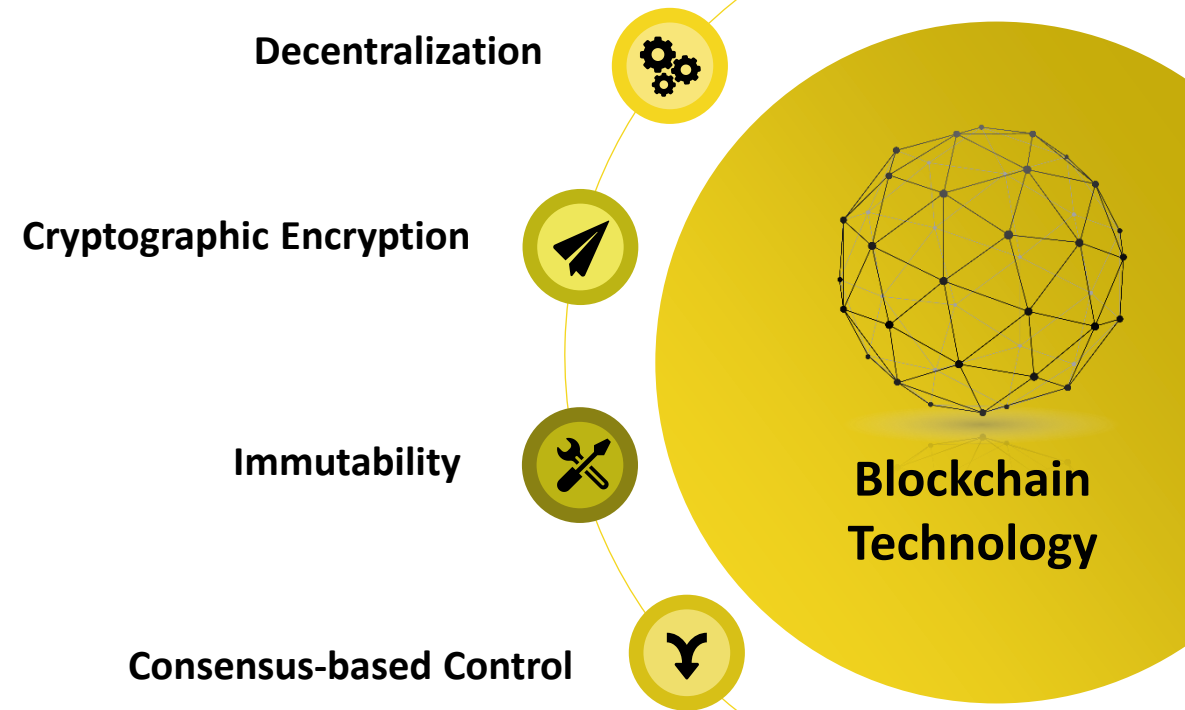
IOT Armour is powered by Software Defined Perimeter (SDP) architecture and private Blockchain technology, and is aligned with the NIST Zero Trust Framework

SDP architecture renders core systems and gateways invisible to attackers; while customized agents along with private Blockchain technology delivers a new breed of digital identity and access control for all connected devices

Software Defined Perimeter (SDP)



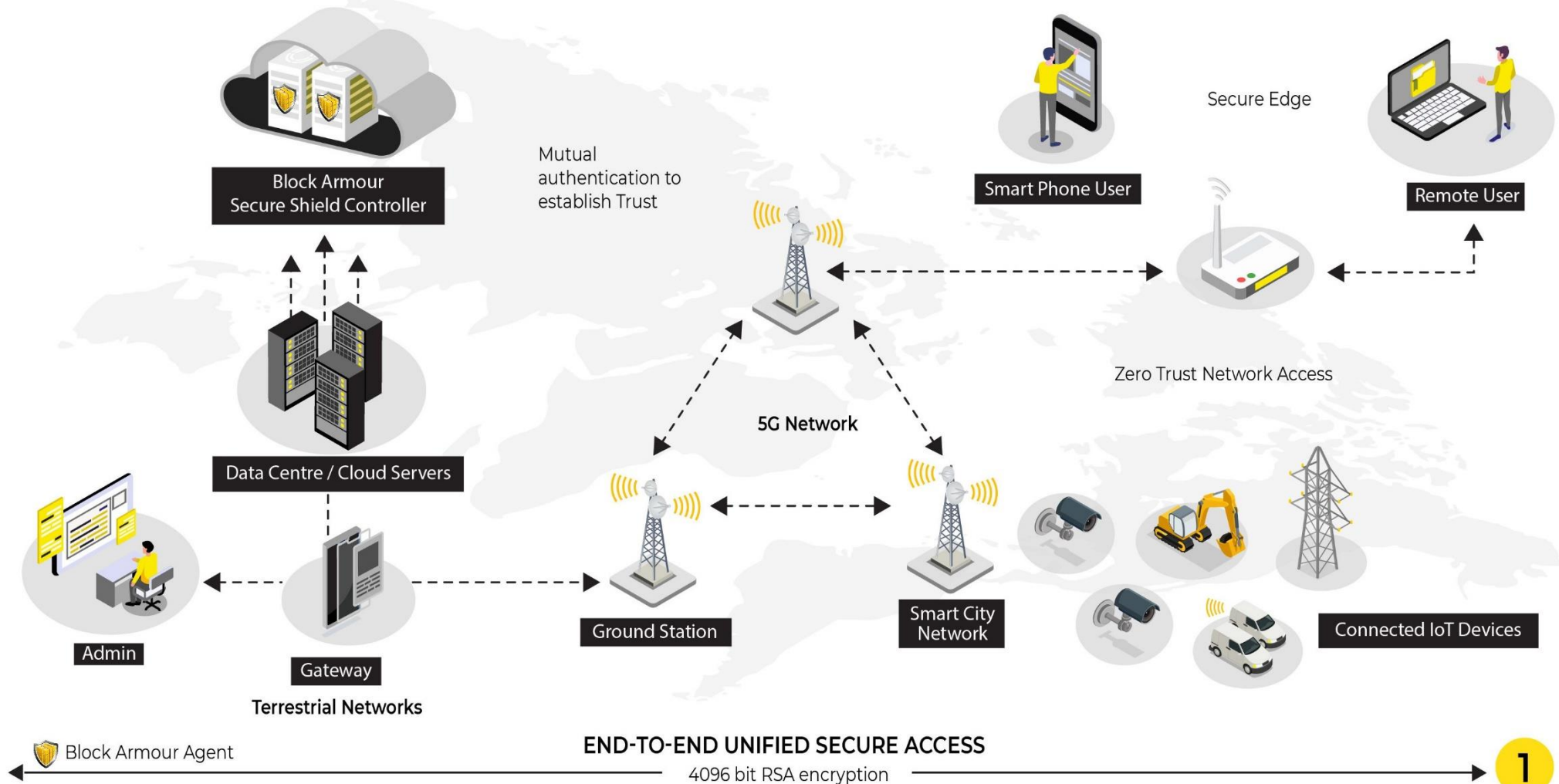
Developed at the Defense Information Systems Agency (DISA). Used by the DHS & DoD



All communication between devices and control systems is secured using 4096 bit RSA encryption

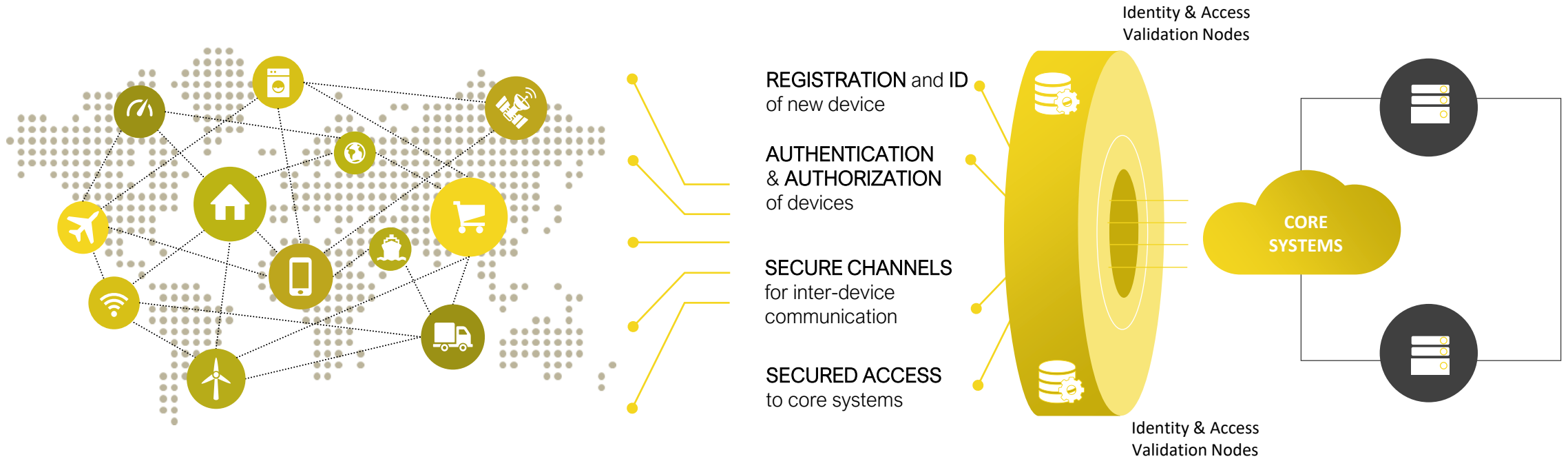
The Architecture: End-to-end Zero Trust security for connected devices, IoT gateways, critical information systems as well as all communication networks

Smart City, Industry 4.0 and 5G related security



IOT Armour harnesses Blockchain based digital signatures - not just IP addresses - to identify, authenticate, and authorize all devices

INTERNET OF THINGS



The platform secures interconnected devices and communication networks while tightly ring-fencing OT and IT systems

IOT Armour’s architecture complies with the NIST Zero Trust framework and allows for micro segmentation of connected devices as well as associated users



The platform facilitates fine-grained resources' access and comprehensive management of the policy engine on the Blockchain

The Result: A next-gen military-grade Zero Trust security solution to protect connected IoT devices and critical infrastructure against cyber attacks



Cryptographically-secure digital identity
for users, connected devices and central servers/services



Invisible & locked down critical systems
with micro segmentation and fine-grain access control



Best-in-class military-grade encryption
for secured access to connected devices and IoT communication



Immutable & tamper-proof logs
stored securely on the Blockchain for instant access / analysis

Its time to reclaim control and secure connected devices and critical IoT infrastructure using emerging technology!

Get In Touch

Learn how you can secure connected IoT devices and critical systems with next-gen Zero Trust cybersecurity

Drop us a line or reach us via any of the channels below:



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