

# CYBER SECURITY POWERED BY BLOCKCHAIN

- ✓ Enterprise Cybersecurity Assessment
- ✓ Cybersecurity Strategy
- ✓ Security Operations Center (SOC)

# Enterprises are feeling the heat as Cybersecurity incidents continue to grow and existing solutions struggle to keep pace

*The growing 'mobility' of users and expanding enterprise perimeter has resulted in greater exposure to attacks*



64% more incidents year-on-year



Theft of 'hard' IP increased 56%



Rapid growth of connected devices in an IoT economy



Challenges are getting bigger, bolder and more complex



Over 100 days to detect a cyber attack



Over 150 days to patch a vulnerability



Addressing lateral movement by attackers within their ecosystems

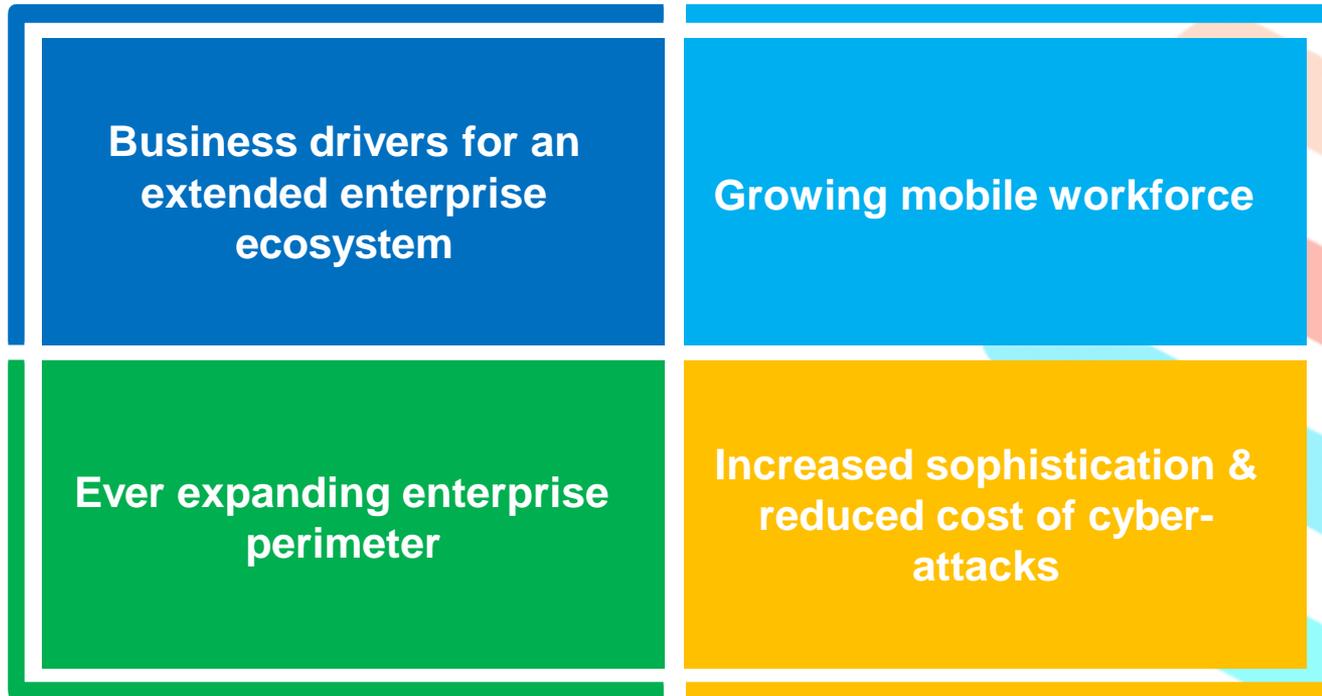


Providing secure access to users in the perimeter less enterprise

The dramatic increase in networked devices has further complicated the situation as we begin to understand the impact of IoT

# The growing 'mobility' of users and expanding enterprise perimeter has resulted in greater exposure to attacks

*While business drivers justify an extended enterprise ecosystem, the need to secure the critical systems that support it has grown manifold*

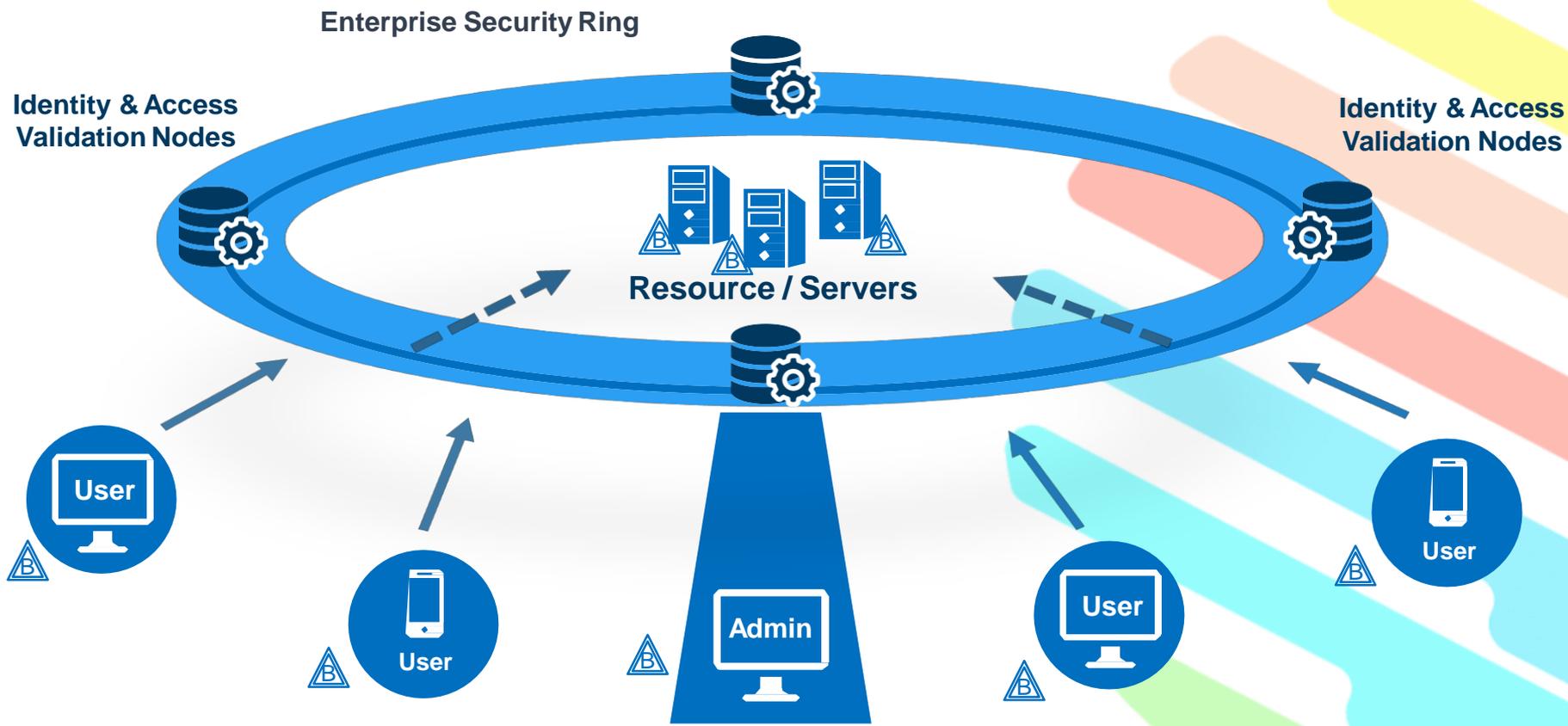


Despite spending billions of dollars on cybersecurity solutions, we continue to defend against tomorrow's cyber attacks with yesterday's technology

[www.laestera.co](http://www.laestera.co)

# The Solution: LA Esfera, a next-gen enterprise solution for cybersecurity

*The platform leverages digital signature based identity and authentication for humans, devices and data; securely ring-fencing an organization's most critical resources.*

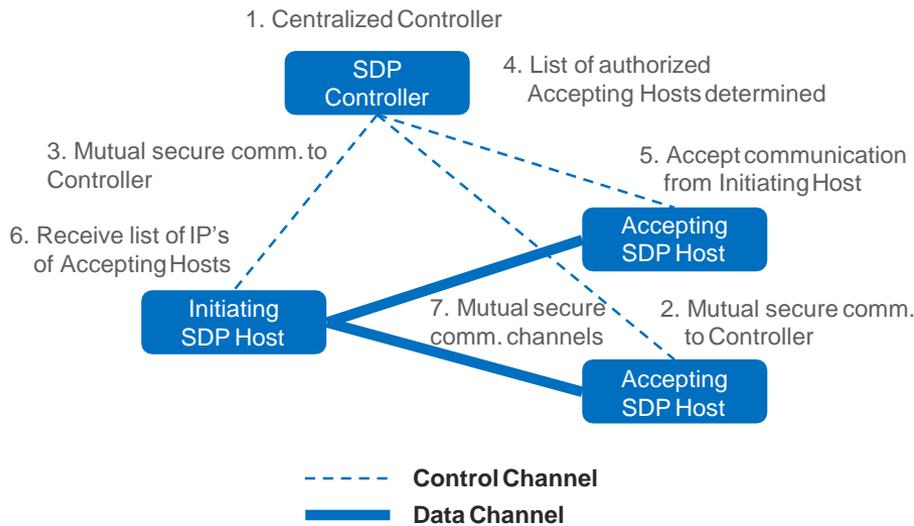


LA Esfera delivers Blockchain Defined Perimeter (BDP), an enhanced Software-Defined Perimeter using private permissioned Blockchain and TLS technology

# The Building Blocks: Cyber-Security is powered by Software Defined Perimeter & Blockchain Technology

*SDP architecture enhanced with Blockchain & TLS Technology - offers opportunities to address cyber security challenges in bold new ways.*

## Software Defined Perimeter (SDP)



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

## Blockchain Technology



**Decentralization**



**Cryptographic Encryption**



**Immutability**



**Consensus-based Control**

Harnessing Blockchain Defined Perimeter (BDP), LA Esfera delivers a new breed of digital identity and access management solutions. Smarter, faster and ready for tomorrow's cyber attacks

[www.laesfera.co](http://www.laesfera.co)

# The Result: Next-gen cyber security to protect your enterprise's most critical systems against evolving cyber threats

Cryptographically-secure Digital Identity for users & devices

Invisible & Locked-Down Critical Systems

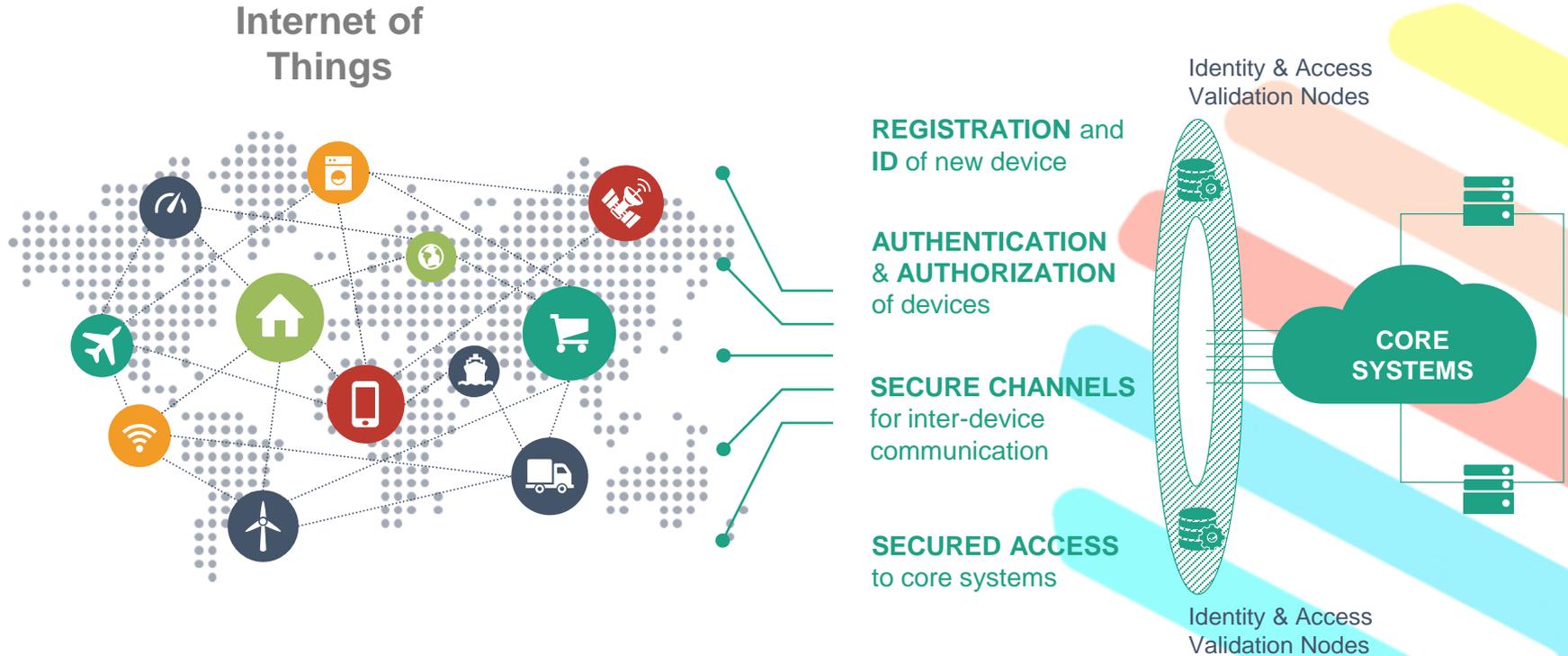
Best-in-Class Encryption for Secured Access to Critical Systems

Immutable & Tamper-Proof Logs stored Securely on the Blockchain

Its time you reclaimed cybersecurity using emerging technology!

# LA Esfera harnesses digital signatures to identify, authenticate and authorize devices thereby securing IoT Communication

*LA Esfera utilizes digital signatures to secure the devices as well as the communication channels*



The dramatic increase in internetnetworked IOT devices has thrown up new cyber security challenges which require a robust and resilient solution to protect against next gen cyber-attacks

# Experts across industry segments and analysts chime in with their opinion on SDP and Blockchain technology

*DMZs and legacy VPNs were designed for the networks of the 1990s and have become obsolete because they lack the agility needed to protect digital businesses. Look for products or services that can expand identity from one to two factors and then beyond with contextual and adaptive access controls.*

**Gartner**

*SDP security model has been shown to stop all forms of network attacks including DDoS, Man-in-the-Middle, Server Query (OWASP10) as well as Advanced Persistent Threat (APT)*

**Cloud Security Alliance**

*“Companies spend millions of dollars on firewalls, encryption and secure access devices, and it’s money wasted; none of these measures address the weakest link in the security chain.”*

**Kevin Mitnick,  
“The World’s Most Famous Hacker”**

*The first generation of the digital revolution brought us the Internet of information. The second generation — powered by blockchain technology — is bringing us the Internet of value: a new platform to reshape the world of business and transform the old order of human affairs for the better*

**Don Tapscott.  
‘Blockchain Revolution’**



Gartner expects the global Software-Defined Perimeter adoption to grow significantly, starting 2017



THANK YOU  
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