



# Data Protection Platform

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“**XQ** is the first and only solution enabling self protecting data.

XQ is a cybersecurity technology that encrypts and routes data to/from devices like mobile phones, IoT, and connected devices, at the “edge” of the internet.

Lightweight and highly secure, it delivers end-to-end data protection even to devices and apps that have no ability to do so natively.

✘✘✘ By 2025, the data universe will consist of 175 zettabytes. That's 175 Trillion gigabytes.



IoT devices including Sensors in our Bodies, Homes, Factories and Cities



5G Networks & Communications



Autonomous Vehicle and SMART infrastructure

As countries & companies adopt digital transformation, data will be stored increasingly in the cloud. Sharing this information across the digital interface, both internally and externally, significantly increases the cyber threats facing the enterprise.





# CYBER BREACHES COST REPUTATION, MONEY & TRUST

**\$10.5 T**

2025 Global Cybercrime Cost

**\$8.19 M**

Average cost of each data breach  
for US organizations

**280**

Average amount of days to  
detect and contain a data breach



❖❖❖ CYBERCRIME REPRESENTS THE GREATEST WEALTH TRANSFER IN HISTORY



COLONIAL PIPELINE CO.

**EQUIFAX**

**CWT**



**Adobe**

**Capital One**

**BRENNTAG**

**LinkedIn**

**Marriott**  
INTERNATIONAL

**yahoo!**

JPMORGAN CHASE & Co.

\*Victims of cybercrime



An aerial photograph of a suspension bridge, likely the Golden Gate Bridge, showing the roadway with several cars and the large orange suspension towers. The bridge spans across a body of water with visible ripples. The text is overlaid in white, bold, sans-serif font.

**PERIMETERLESS  
ZERO-TRUST  
LETS DATA TRAVEL  
ANYWHERE SAFELY**



# XQ SOLUTION

Securely manage and protect data wherever it resides.

XQ offers encryption as a service and allows applications to easily incorporate a perimeterless zero trust solution with quantum resistant cryptography.

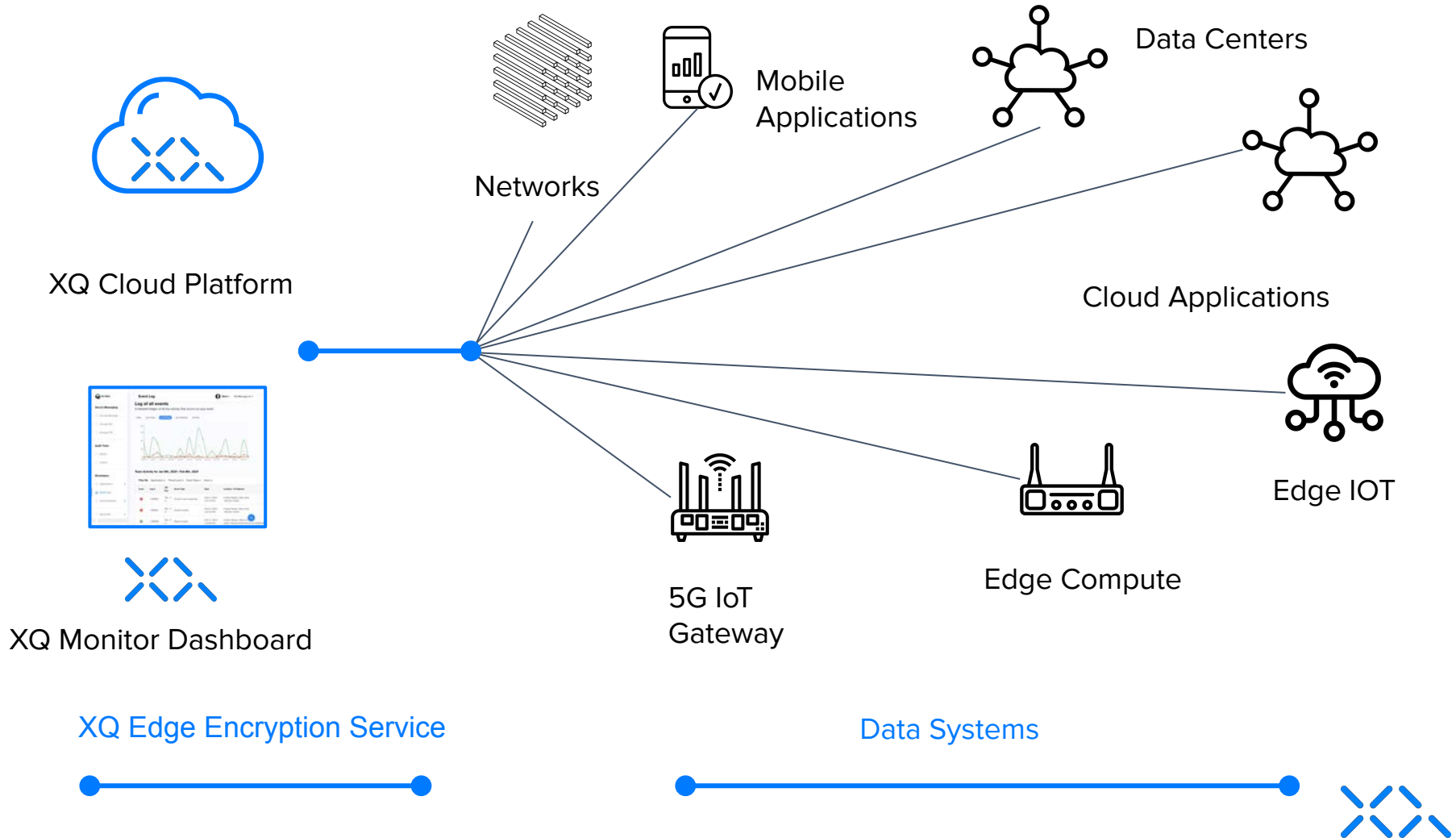


Our SDK & APIs enable business to integrate data security into their applications.



# XQ PROVIDES EDGE TO EDGE SECURE CROSS PLATFORM DATA VIEW

Premium Secure Service Providing Extended Trust Edge to Edge





# TECHNOLOGY DIFFERENTIATORS

1. Cross Platform Zero Trust

2. Data Ownership + Provenance

3. Quantum Safe + Crypto Agile

4. Geolocation + Identity Compliance Logging



Built for Scale Distributed Architecture





# SECURE COMMUNICATIONS SUITE

## XQ SECURE

Total Communications  
Protection for Your Data

Control of your data  
even after you share it



### Stop Ransomware

All your data becomes a honeypot.  
Prevent double dipping



### Instant Protection

Real time notifications when  
your data is accessed



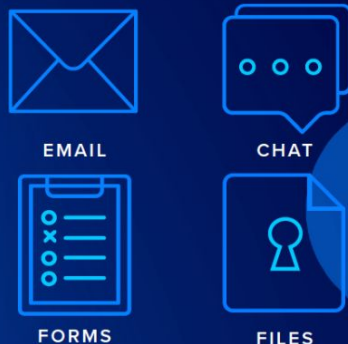
### Stay Compliant

Log when, where and who reads  
your data for GDPR, HIPAA

#### SUPPORTED PLATFORMS



#### SUPPORTED DATATYPES



Protect your emails, files,  
chat and website forms

Secure data everywhere  
it is stored and shared

### Messages and Files

Keep track of your secured communications here.

#### My Communications for Jul 18th, 2021 - Aug 17th, 2021

All <span>Good</span> <span>Warnings</span> <span>Needs Attention</span>					
Level	Read	Verified	Expires / Updated	Status	
<span>Good</span>	2	<span>Verified</span>	Jan 16, 2022 Expires in 5 months	<span>Good</span>	
<span>Good</span>	3	<span>Warning</span>	Jan 16, 2022 Expires in 5 months	<span>Good</span>	
<span>Good</span>	1	<span>Verified</span>	Aug 17, 2021 Expires in 42 minutes	<span>Good</span>	

Know immediately if your  
data has been compromised

# CUSTOMERS & USE CASES



*Hoolva*

**BOSS**

5 G Z O N E  
INDIANA | POWERED BY NINETWELVE

**KONTUR**

Commercial Space

Secure Fiber / Networks

Secure Energy

Secure Video Chat

High Performance Computing

State & Local Municipalities

5G



# USE CASE

## SECURE SERVICES FOR GOVERNMENT & REGULATED ENTITIES

### Overview

XQ is proud to offer the first of its kind, end-to-end encrypted platform that integrates all application and network data in one secure Zero-Trust data protection package with fully managed service support.

Leveraging a core single identifier for interagency, vendor and government-public data communications, XQ will provide a unified security solution which meets state and federal regulatory data-handling standards using Zero-Trust Architecture that secures the data privacy of governments and citizens.



## Communications Data Benefits

- **Cost Reduction**
  - XQ reduces the cost of infrastructure protection and maintenance
- **Ransomware Protection**
  - XQ makes any data storage system a honeypot for hackers
  - XQ's data-at-rest solution prevents hackers double-dipping and making data public
- **Man in the Middle Invoice Attacks**
  - Authorized endpoints and file encryption prevent vendor spoofing
  - Verified member groups creates a remote work bubble that detects intrusion
- **Email Exfiltration**
  - Quantum-safe protection for data so hackers can never make it publicly available
  - Real-time alerts for suspicious email access
- **Zero Trust Compliance**
  - Data interactions are logged with identity, geo-location, time and given a trust status
  - HIPAA, FIPS, CCPA, NIST CUI-800 compliance



## Data Management Benefits

### - **Secure Data Warehouse**

- XQ's ability to integrate with all data storage applications in a cross platform solution closes the gaps where hackers gain access
- XQ encrypts every field with a different key and different policies
- Privileged applications only have access to the field they are permissioned for

### - **Secure IOT Gateway and Routing Over 5G**

- XQ uniquely encrypts data at the edge, routes and tracks it over 5G
- XQ provides a full view into data status across networks interoperably



# USE CASE

## SECURE SATELLITE COMMUNICATIONS

### Overview

Countries require secure, low cost & reliable connectivity in order to empower innovation and industry. Current solutions (i.e, Fiber Internet) are cost prohibitive in remote & large areas that are not yet serviced.

XQ's zero trust data protection enables multiple users to share a space infrastructure reducing the cost of the service while improving security

Every XQ user maintains full control over encryption keys from the edge to the cloud dramatically reducing cyber vulnerabilities



## Zero Trust Space Use Cases

**XQ improves economics for space communications by enabling the secure utilization of shared VSAT and Transponders:**

<b>Market</b>	<b>Application</b>	<b>Zero Trust Space</b>	<b>Business Case</b>
<b>AI /ML</b>	Data Integrity	Encrypted data from any source the edge	Prevent data spoofing and bad AI outcomes
<b>Energy</b>	Monitoring power distribution grid	Secure remote configuration	Reduce expensive site travel
<b>Transportation</b>	Monitoring highways and intersections	Encrypted video monitoring	New premium tolls services
<b>Manufacturing</b>	Supply Chain Logistics	Track parts from inside warehouse to truck	Precision tracking of high value parts
<b>Agriculture</b>	Crop / water monitoring	Combine LEO+CBRS for IoT sensors	Improved crop yields
<b>5G Services</b>	Coverage extension	Utilize any combination of LEO/GEO/CBRS	Lower cost of remote 5G RAN connectivity







# LEADERSHIP TEAM

## BRIAN WANE

CEO

15+ Years Product  
Dir. of Digital, Intel  
CPO, Series X  
CEO, Game Cloud



## JUNAID ISLAM

Chairman CTO

30 Years Experience  
National Spectrum  
Consortium (NSC).  
MLPP, DoD Net Centric  
Warfare, Zero Trust



## Randy Clark

NSC Vice Chair



## Dan Cybulski

Cloud Security



## Bob Flores

Former CTO CIA



## Chuck Fullerton

White House (WHCA)



## MG Dan Balough

US Army Retired



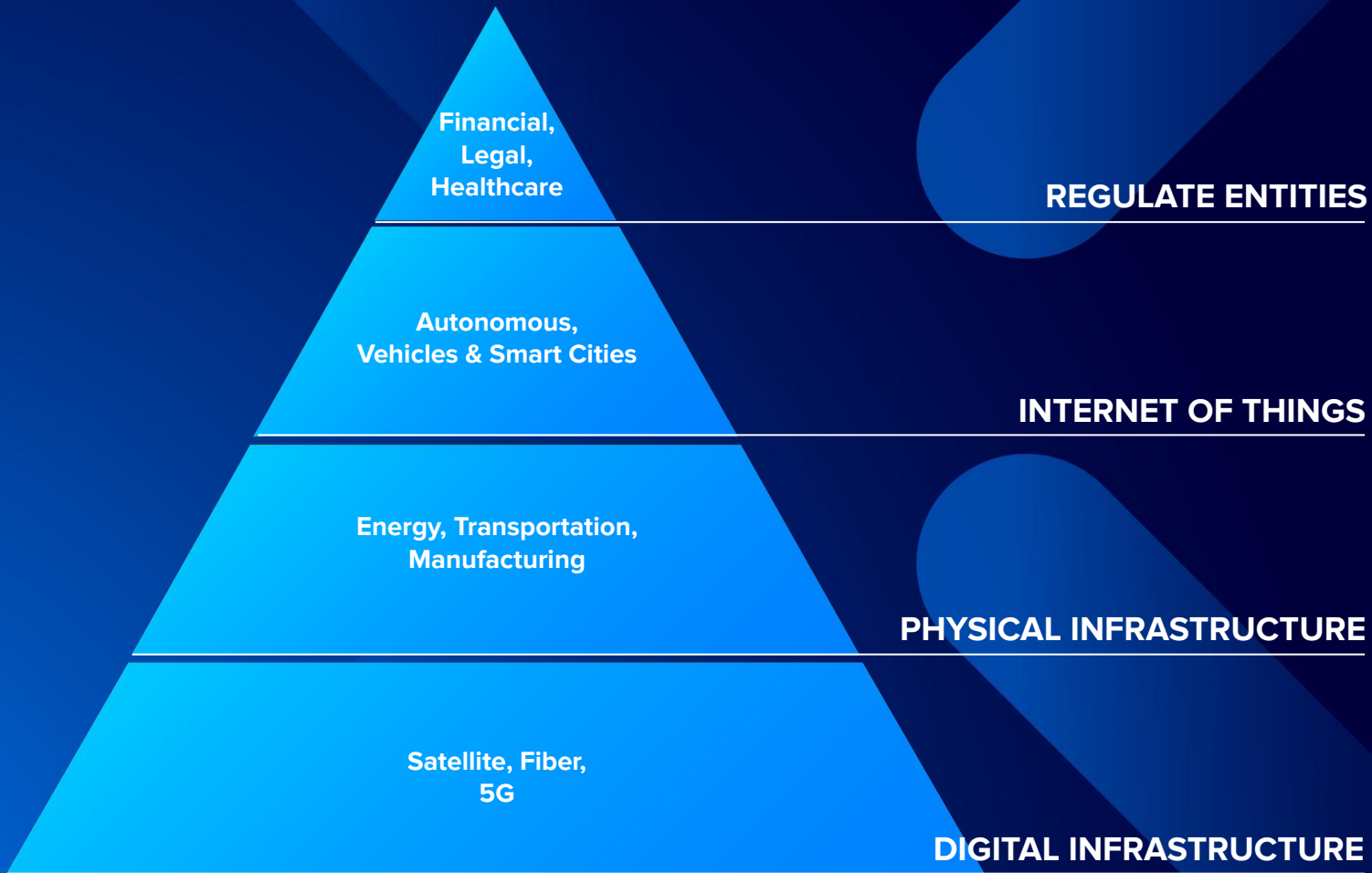
## Alan Boehme

Fortune 100 CTO

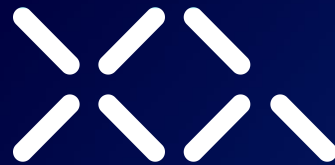


# BIG PICTURE

Through perimeterless zero trust, XQ's self protecting data powers secure connection and sharing for all data that will drive the fourth industrial revolution



**DATA WILL DRIVE  
THE SMART ECONOMY.  
XQ WILL PROTECT IT.**



# Sales Presentation

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