

Xage Enforcement Point (XEP)

Zero Trust Firewall for Access Management and Segmentation

Use Case

Historically, industrial operators restricted access by isolating their control devices and systems. Today, operators are modernizing by connecting previously isolated assets, despite the well-documented security threats. VPNs, jump boxes, and virtual desktop infrastructure (VDI) have all been deployed to enable and control access to previously air-gapped devices. Traditional firewalls have been deployed internally to enforce segmentation, but this has grown costly and burdensome to manage. A flood of high-severity vulnerabilities in VPN, VDI, and firewalls affecting all industries, and even the Cybersecurity and Infrastructure Security Agency (CISA), have shown the risks of relying on legacy enterprise edge technologies are too great.

Xage has developed a Zero Trust Firewall to enable secure access and protection for every device and every interaction between devices, providing the most modern and powerful access control and in-field identity management, while eliminating the prospect of disrupting (or worse yet, ripping out) vulnerable existing infrastructure.

Xage Enforcement Point

The XEP acts as a Zero Trust Firewall controlling access into and out of individual devices and controllers, providing enforcement of the access policies and authentication requirements held in Xage's tamperproof security fabric. Since the XEP is not dependent on the security features, if any, of the devices and controllers themselves, it delivers a unified and comprehensive security solution for industrial operations, enabling organizations to protect all their systems – whether passwordprotected or not, modern or legacy. XEP works across all equipment to improve efficiency, enable any-to-any machine-to-machine cooperation and automation, secure production data from the source machine to the cloud, deliver single-sign-on convenience, and match technician access rights with job functions to reduce on-site errors.

Administrators have full visibility with edge-to-cloud monitoring and an auditable record of all access attempts, successful or not. Attempts to bypass the XEP generates an alert in the system, so organizations know immediately if an attacker has attempted to compromise an industrial asset or data.

XEP also improves efficiency through off-site access and individual safety, enabling employees to access oil pads, windmills, mines, and other harsh environments remotely. This limits travel, saving significant time and money, and improves employee health and safety– before an attempted hack has even been prevented.

XEP is non-intrusive and applicable to virtually all device types such as machines, controllers, meters, and sensors regardless of the vendor, generation, type, make, model, or means of connectivity.



How it Works



Xage Fabric Platform

The Xage Fabric is a cyber-resilient, highly available cybersecurity mesh platform that defends your assets against attacks across IT, OT, IIOT, and the Cloud.

Go Beyond Threat Detection to Protect Your Assets

Xage Fabric doesn't just detect threats, it protects your assets before they're compromised.The Xage Fabric prevents attackers from discovering and enumerating targets in your environment, escalating privileges, or moving laterally. By cutting off these key attack steps, Xage Fabric stops compromises.

Eliminate Blind Spots and Risky Implicit Trust Zones

The Xage Fabric eliminates blind spots and cuts out the need to use a patchwork of point solutions for identity management, access control (including secure remote access), privileged access management, and secure data transfer. The Xage Fabric allows you to stop poking holes in your firewall and using VPNs and jump servers that expose your assets to the internet and your business to excessive risk.

Simplify Access and Improve User Experience

The Xage Fabric simplifies security administration by automating actions such as encryptedtunnel configuration, identitycentric segmentation, credential management, workstation account management, and even policy creation, while also enhancing end-user experience by providing a unified interface for authentication and access, whether local or remote.

About Xage

Xage is a global leader in zero trust access and protection for the entire enterprise. Xage gives users easy and secure access to the assets they need from anywhere, while preventing advanced adversaries and insider threats at every stage of the attack chain. Learn why enterprises like the U.S. Space Force, PETRONAS, and Kinder Morgan choose Xage at xage.com.

