



The Future of Cash in the Cloud:

A New Era of High Security

The future of cash security won't be built with yesterday's tools.

As threats grow smarter and operations become more distributed, the industry must shift from reactive protection to intelligent, connected defense.

At Sargent & Greenleaf, we're engineering the next era of high-security solutions—where physical durability meets real-time intelligence, and where trust is earned not just by strength, but by innovation.

We're not waiting for the future to arrive. We're building it.



sargent &
greenleaf™

How do you secure what is out of reach?

This question defines the next major shift in global ATM and cash security. As operations become more distributed and threats more sophisticated, traditional high-security solutions—no matter how robust—are reaching their limits.

Cloud-based platforms are the next evolution. They bring real-time oversight, predictive intelligence, and unprecedented scalability to industries where trust and uptime are non-negotiable. And just as we pioneered the strongest mechanical locks and the first electronic high-security solutions, Sargent & Greenleaf is leading the way into the cloud.

Why High Security Needs the Cloud

Traditional solutions are durable, but they can't match the agility modern threats demand. Cloud-enabled systems close this gap by offering capabilities that physical-only

security simply can't deliver:



Unparalleled Connectivity: Manage locks and monitor operations in real time—from anywhere in the world—eliminating costly site visits and downtime.



Data-Driven Precision: Use real-time analytics and pattern detection to identify vulnerabilities before they become breaches.



Continuous Innovation: Deploy advanced encryption, features, and software upgrades instantly, without replacing hardware.

This evolution delivers transformative benefits, but only if solutions address the industry's most pressing risks and concerns.

**“Security is evolving, and so are we—
we’re redefining trust and reliability—
delivering peace of mind and raising
bar for strong security systems.”**

– Brian Leary, President, Sargent & Greenleaf

Challenges on the Path to the Cloud

The transition to cloud-based security requires trust, careful planning, and resilience. These challenges must be solved to drive adoption:

Trust in Connected Systems

Cybersecurity threats and public perception remain the biggest barriers. For ATM and cash-in-transit (CIT) providers, any breach could halt operations.

HOW TO GAIN CONFIDENCE:

- **Understand cloud security standards:** Look for solutions that meet or exceed rigorous certifications such as FIPS, ISO 27001, or SOC 2. These standards ensure systems are tested against the highest levels of cyber threat.
- **Review encryption protocols:** Ensure end-to-end encryption is in place for data at rest and in transit, making information unreadable even if intercepted.
- **Ask about zero-trust architecture:** Trusted providers enforce strict identity verification for every user, every time, to prevent unauthorized access.
- **Demand transparency:** Reputable partners will share how they handle data, where it is stored (data sovereignty), and how often systems are penetration-tested.
- **Leverage independent audits and case studies:** Third-party audits and real-world examples can validate that cloud solutions perform securely in environments similar to yours.

demand. Cloud-enabled systems close this gap by offering capabilities that physical-only security simply can't deliver:

Navigating Global Regulations

From GDPR to PCI DSS, regulations vary by region and often include strict data sovereignty requirements.

WHAT TO LOOK FOR:

- Cloud providers who maintain **in-country data centers** and offer **compliance-optimized architecture**.
- Partners who understand your industry's **regulatory landscape** and can show **proof of compliance** in each market.

Integrating Legacy Infrastructure

Many ATMs still run outdated software and hardware, making retrofits challenging.

HOW TO APPROACH:

- Choose **retrofit-friendly solutions** that can bridge old and new systems.
- Consider **phased migration strategies** to reduce operational disruption.

Connectivity in the Field

Remote ATMs or CIT routes can face unreliable connectivity.

WHAT'S IMPORTANT:

- Hybrid systems with **offline functionality** that ensure continuity even during outages.



Progress is not a destination one reaches alone.

It is built by those willing to adopt change,
blending legacy durability with modern ingenuity.

How Sargent & Greenleaf is Leading the Change

As one of the most trusted names in high-security solutions for more than 160 years, Sargent & Greenleaf is uniquely positioned to set the standard for cloud security.

Our innovation roadmap bridges the reliability of mechanical and electronic locks with cutting-edge digital architecture:

- **Cloud-Native Locks:** Leverage role-based access, real-time monitoring, and predictive maintenance for smarter security.
- **AI-Powered Predictive Security:** Detect threats by identifying routine inconsistencies before they escalate.
- **Remote Fail-Safes:** Ensure uninterrupted operations with remote management paired with on-site overrides to ensure operations never stop.
- **Scalable Compliance:** Adapt seamlessly to evolving global regulations with flexible, future-ready solutions.

This approach delivers measurable benefits—reduced downtime, increased operational efficiency, and unmatched protection.

The Role of Security Providers in a Cloud-Driven Future

Success in this transformation isn't just about technology—it's about trust. Providers must act as partners, helping leaders navigate this change with clarity and confidence.

At S&G, that means:

- Educating decision-makers on the parameters that define secure cloud adoption.
- Providing tools, resources, and transparent communication about security and compliance goals.
- Delivering adaptable solutions designed for the unique needs of each market.

Looking Ahead

The shift to cloud-enabled security isn't optional. It's the next imperative for ATM and CIT operations.

Sargent & Greenleaf is building this future with the same durability, innovation, and trust that have defined us for more than a century.

Together with our customers, we're raising the global standard for resilience and reliability.

Secure Tomorrow, Today

Cloud-based high-security solutions represent not just the future but the next imperative transformation in ATM and CIT operations. With advanced levels of connectivity and security capabilities, cloud platforms elevate businesses to address threats with resilience and optimize operations for tomorrow.

But progress is not a destination one reaches alone. It is built by those willing to adopt change, blending legacy durability with modern ingenuity. For companies looking to rise above security challenges, exploring advanced cloud security options may be the most secure choice yet.

Cloud-enabled systems close the gap

by offering capabilities that

physical-only security

simply can't deliver.



Ready to Learn More?

To achieve success in high-security cloud transformation, security providers must embody a dual commitment to innovation and reliability. At the heart of this transformation is not just technology but customer experience.

What this means for providers like Sargent and Greenleaf is pivoting beyond lock manufacturing to becoming a trusted advisor for integrating physical and digital security. It's about partnerships, education, and proving the value of cloud solutions through measurable outcomes.

- Engage with Stakeholders Directly: Transparent communication about individual security needs and compliance goals will be essential.
- Expand Investments in Security R&D: Integrating emerging tech like edge computing and AI ensures solutions stay competitive.
- Focus on Adaptability: Tailored solutions addressing the unique challenges of each market elevates trust and efficacy in implementation.

To explore how S&G is preparing the industry for a cloud-enabled future, visit SargentandGreenleaf.com