CHECK FRAUD DEFENDER

Customer Success Stories

INTRODUCTION

Check fraud is growing, even as check usage declines.

According to the 2026 AFP Payments Fraud and Control Survey, 76% of U.S. organizations experienced attempted or actual payments fraud in 2025 and paper checks remained the #1 target, cited by 58% of respondents. Despite the risk, organizations continue to rely on checks: 91% still use them, and more than 75% have no immediate plans to stop.

For financial institutions, this creates persistent and growing exposure. Fraud is becoming faster, more sophisticated, and increasingly AI-assisted, while many institutions still rely on manual teller review or in-clearing detection that operates too late to prevent losses.

The following customer success stories demonstrate how Check Fraud Defender is changing that equation, stopping fraud at the point of deposit, reducing false positives, and delivering measurable loss avoidance within months of deployment.

76%

of organizations experienced attempted or actual payments fraud in 2025

58%

of fraud attacks targeted paper checks — the #1 most targeted payment method

17%

of organizations currently use AI to combat payments fraud — a critical gap

1 2026 AFP Payments Fraud & Control Survey

Partners empower community financial institutions with increased check fraud detection to reduce losses

THE PROBLEM

Paper checks remain deeply embedded in business payment workflows, and fraudsters continue to exploit their vulnerabilities through mail theft, check washing, counterfeit checks, and altered payee schemes. As fraud activity becomes more sophisticated, financial institutions face increasing pressure to identify suspicious checks earlier and protect commercial customers that often lack advanced fraud prevention controls.

The challenge becomes especially critical at the teller line, where frontline staff are required to make rapid deposit decisions with limited visibility into potential fraud risk. Without real-time detection capabilities, suspicious checks can be difficult to identify before funds are released, increasing both fraud exposure and operational burden on branch and fraud teams.

THE SOLUTION

Partners use Check Fraud Defender to enhance their fraud prevention offerings with real-time AI and computer vision technology that helps financial institutions detect suspicious checks faster, improve operational efficiency, and strengthen fraud decisioning.

THE RESULTS

90%+

Some fraudulent check value for the most engaged early partners have identified more than 90% of adopters by calibrating to each institution’s unique Fraud Detection risk profile, providing accuracy and protection.

Average time for customers to recover their investment based on monthly fraud loss reduction

<6 mo

Real-time fraud detection

Delivered real-time, AI-powered fraud detection capabilities that helped identify suspicious checks earlier in the deposit process and supported faster intervention.

Improved fraud detection & efficiency

Helped financial institutions strengthen fraud detection accuracy while enabling faster decisioning and more efficient branch and fraud operations.

> We have had amazing success partnering with Mitek, our customers are able to detect check fraud earlier and it’s help them deliver a better customer experience.

Top 25 US bank fights back against growing multimillion-dollar check fraud problem

THE PROBLEM

One of America's top 25 largest banks was losing approximately $1M per month to check fraud, an amount that had tripled in just two years following the coronavirus global pandemic. Fueled by access to criminal social channels and the ability to easily access stolen and counterfeit checks, the problem had grown faster than they could solve for.

They were looking for a comprehensive check fraud solution that would easily integrate with their current workflows. The bank knew it needed to incorporate advanced analytics, machine learning, and improved image interrogation capabilities to reduce their fraud incidents and false positives.

THE SOLUTION

The bank started their journey with Mitek's "Find the Fraud Assessment" which included providing a sample of good checks for a variety of accounts. These good checks were used to train Check Fraud Defender to generate trusted check profiles that were stored in a secure cloud-hosted consortium. A second set of both good and bad checks were used to test Check Fraud Defender's success rate for identifying check fraud.

Based on the overwhelmingly high success rate of bad checks identitifed by Check Fraud Defender, the bank moved forward with a fast implementation of Check Fraud Defender in their production environment.

THE RESULTS

$16M

$16M in **fraud loss avoidance** in the first 5 months

>3600

Over 3,600 **fraudulent items identified**

26%

26% **overall improvement** in the bank's fraud recognition capabilities

80.7%

Check Fraud Defender showed an 80.7% **success rate in check fraud identification**

Fraud fact:

Financial losses from fraud were reported by 66% of organizations with annual revenue exceeding $1 billion, highlighting the growing financial impact of payments fraud on large enterprises.

Top 100 US bank improves check fraud detection by 94%

THE PROBLEM

One of the nation's top 100 financial services organizations serving customers across the West, Southwest, and Midwest was in search of a more robust check fraud detection solution to bolster their current check processing workflows and address increasingly sophisticated check fraud activities. They knew they needed to improve their fraud detection efficiencies as well as reinforce their commitment to smooth and secure check processing for their customers.

THE SOLUTION

They chose Check Fraud Defender for its advanced fraud detection capabilities and secure, cloud-based consortium to strengthen their defenses. By leveraging advanced AI and computer vision for real-time check decisioning and fraud detection, they have reduced false positives, improved operational efficiencies, and have significantly lowered check fraud claims.

THE RESULTS

$1.9M

Over $1.9M in **fraud loss avoidance** in 6 months

<1%

Less than 1% of their **daily check fraud volume is flagged** for review

94.6%

Check Fraud Defender showed a **94.6% identification rate in the most recent month** measured (with an average 92% of fraud dollars caught each month)

Their Fraud Analyst Manager said, "the Check Fraud Defender implementation was not difficult, the process was not stressful, and I appreciate that the Mitek team is always willing to listen to our ideas, they really focus on their customers and their needs."

Leading Southeast regional bank avoids over $20M in fraud losses in 6 months

THE PROBLEM

Check fraud affects financial institutions of all sizes and the fraud leadership team at this prominent Southeast financial institution knew they needed to expand their investment in check fraud detection to ensure their customers were protected and to position their institution to be at the forefront of fraud prevention.

They sought a check fraud solution partner that would support their efforts with a comprehensive suite of capabilities that included the ability to implement customized business rules to improve their overall operational efficiencies and reduce their check fraud claims.

THE SOLUTION

They chose Mitek's Check Fraud Defender, which utilizes both account and imagebased data analysis, providing complete check fraud coverage with the ability to inspect 24 key check attributes including; payee information, LAR and CAR style and location, check stock, date validation, handwriting style, signature style and location, MICR validation, memo line, and more. The comprehensive check fraud detection coverage provided by Check Fraud Defender paired with the MiControl Fraud Management Console UI, has provided this institution with maximized efficiencies and significant gains in productivity. Check Fraud Defender has also helped them significantly reduce falsepositives and overall check fraud losses.

THE RESULTS

$20M

Over **$20M in fraud loss avoidance within the first 6 months** of implementation

1%

Only **1% of checks are alerted** per day

84.5%

Check Fraud Defender showed **84.5% success rate in check fraud identification**

A lead Fraud Systems Manager said, **"The MiControl Fraud Management Console is one of the best things about Check Fraud Defender and Mitek. It really helps us do our jobs and makes Check Fraud detection easier."**

Leading national bank takes critical step to improve their in-branch customer experience

THE PROBLEM

A leading national bank faced legal challenges due to allegations of customer mistreatment by its tellers during routine transactions. In one notable case, a customer attempting to cash their paycheck was wrongly accused of presenting a fraudulent check. This led to an escalated response that ultimately proved unwarranted. This incident also underscored the need for enhanced fraud detection protocols and raised concerns about gaps in teller training.

Relying on tellers to assess check authenticity can lead to errors, as they often lack specialized fraud detection training and may be inadvertently influenced by biases.

THE SOLUTION

The bank chose Mitek and Check Fraud Defender to automate its check fraud detection using data and artificial intelligence. This minimized subjective judgment in its teller line in a way that both protects against fraud and ensures equitable treatment for all customers. The integration of advanced machine learning and computer vision tools can provide real-time, data driven insights to support tellers, enabling them to make accurate, unbiased decisions. These tools, and optimized training programs can help banks deliver more consistent, equitable, and positive in-branch experiences for customers.

THE RESULTS

2300

Every teller check deposit at its 2300 branches are now reviewed by Check Fraud Defender

Real-time decisioning

Check fraud detection based on data analysis delivered in real-time

Data driven results

enabling better teller check acceptance decisions and removing human biases

"The speed and accuracy with which Check Fraud Defender compares checks at the teller line is unmatched—unlike anything I've seen in the industry."

The lingering impact of check fraud: Why act now

Check fraud is a deeply disruptive force that ripples through the lives of individuals and businesses alike. While financial institutions bear the brunt of direct monetary losses, the true cost of check fraud often extends far beyond the immediate financial impact. Consumers experience hidden costs and significant disruptions that can linger for years, affecting both their financial stability and emotional well-being. Victims can be faced with immediate financial setbacks and the arduous process of reclaiming stolen funds, with profound and lasting emotional stress of dealing with a violation of trust.

All businesses that interact with consumers financial transactions have a crucial role to play in mitigating the impact of check fraud. By implementing robust fraud prevention solutions, you're not just protecting your bottom line—you're safeguarding your customers from the farreaching consequences of fraud. Investing in advanced fraud detection and prevention tools demonstrates a commitment to customer security and trust, reinforcing your reputation as a reliable partner.

Together, we can make a difference. Your commitment to fighting check fraud is a step toward a more secure and trustworthy future for everyone involved.

Mitek (NASDAQ): is a global leader in digital identity and digital fraud prevention, with technology to bridge the physical and digital worlds. Mitek's advanced identity verification technologies and global platform make digital access faster and more secure than ever, providing companies new levels of control, deployment ease and operation, while protecting the entire customer journey. More than 7,800 organizations use Mitek to enable trust and convenience for mobile check deposit, new account opening and more.

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