



## **Executive Summary**

In today's hyper-competitive retail landscape, pricing remains one of the most important levers for immediate financial impact. Against a backdrop of increasing challenges, artificial intelligence-powered price optimization represents not just a technological upgrade, but a strategic transformation that delivers measurable financial returns and builds competitive advantage.

The evidence is compelling. Retailers implementing Al-driven pricing solutions consistently report gross profit increases ranging from 5% to 10%, revenue growth of up to 10%, and margin improvements of 2% to 5%. More importantly, these gains compound over time, creating a self-funding mechanism for broader digital transformation initiatives while establishing a data-driven culture that permeates the entire organization.

This report examines the comprehensive return on investment that Al-based price optimization delivers, analyzing both immediate financial gains and long-term strategic value creation. The findings demonstrate that Al-based retail price optimization isn't merely about changing numbers on the shelf - it's about precision, agility, and profitability in an industry where every basis point matters.

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## The retail pricing challenge

Retail remains one of the most complex pricing environments. Traditional pricing approaches, often relying on a combination of manual processes, spreadsheets and rules-based automation, simply cannot keep pace with the speed and complexity of modern retail.

The challenges are multifaceted, requiring pricing teams to balance multiple objectives simultaneously:

- Maintaining competitive pricing to drive traffic
- Optimizing margins across categories to achieve profitability targets
- Responding to supplier cost changes
- Managing promotional effectiveness to maximize return on marketing investment

Add to this the increasing sophistication of competitors using algorithmic pricing, and the case for Al-powered solutions becomes clear.

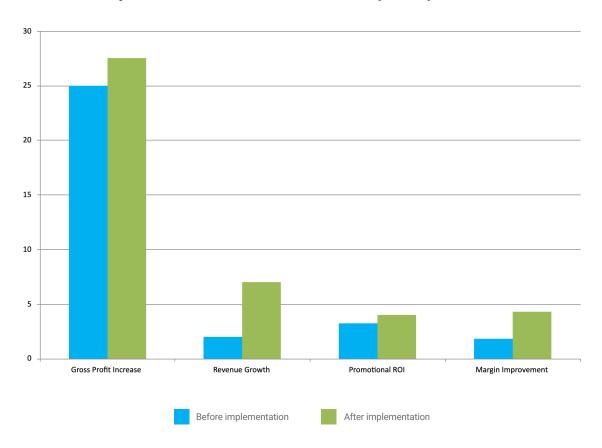
Furthermore, pricing decisions have financial impacts that ripple throughout the enterprise. Price changes affect inventory turnover rates, assortment decisions, promotional planning, supplier negotiations and customer perception. A mispriced promotion can erode margin gains, while failing to respond quickly to competitor price changes can result in traffic and market share losses. The interconnected nature of these decisions demands a sophisticated, data-driven approach that only AI can provide.

Pricing decisions
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Price changes
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# Documented financial returns: The numbers behind the transformation

The return on investment from Al-based price optimization in retail is both substantial and well-documented across multiple independent research sources and real-world implementations.

Al-Based Price Optimization **Key metrics before and after Al-based price optimization** 



Research and real-world implementations reveal the dramatic difference Al-based pricing can make on key performance metrics.

# Immediate revenue and margin impact

Boston Consulting Group's comprehensive analysis of Al pricing implementations across retail sectors reveals consistent gross profit increases of 5% to 10%. For a grocery retailer with \$1 billion in annual revenue and typical gross margins of 25%, this translates to an additional \$12.5 million to \$25 million in gross profit annually. When applied to the industry's typical net margin of 1-2%, this improvement represents a potential doubling or tripling of bottom-line profitability.

Coresight Research found that AI pricing tools help increase annual revenues by up to 10% while improving margins by as much as 5%. These gains stem from AI's ability to identify and capture previously unrealized pricing opportunities—products that can support higher prices without demand elasticity concerns, or conversely, items where strategic price reductions can drive significant volume increases that more than offset margin reduction.

Bain & Company's research reinforces these findings, demonstrating that companies in the top quartile for revenue growth deploy AI pricing technologies twice as often as bottom-quartile performers. Their case studies show AI-enhanced pricing delivering 4% to 8% revenue growth in specific implementations, with particularly strong results in pricing scenarios where rapid market response capabilities provide competitive advantage.

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## The potential returns from promotion optimization

Retail's heavy reliance on promotional activity makes Al-driven promotion optimization particularly valuable.

Traditional promotional planning often relies on historical promotions and pricing team intuition, leading to suboptimal promotional depth, duration, and timing decisions. Al systems analyze thousands of variables—including demand patterns, competitive activity, seasonality, and local demographics—to optimize every aspect of promotional strategy.

The financial impact is significant. Research indicates that retailers implementing AI promotional optimization typically see 15% to 25% improvements in promotional ROI. For example, a grocery chain that spends \$50 million annually on promotional support would see an improvement that translates to \$7.5 million to \$12.5 million in additional profit contribution. Moreover, AI helps eliminate unprofitable promotions entirely, with some retailers reducing their promotional frequency by 10% to 15% while still maintaining or improving sales performance.

## How Revionics can help you achieve more ROI from every promotion

Revionics' best-in-retail Al pricing technology can help you break free of limiting promotion technologies, optimize your promotions strategy and maximize the impact of every offer.

Unlock complex, omnichannel, personalized and inventory-aware promotions. With the Revionics Promotions Planning and Optimization solution, you can:

- Optimize your promotion plans with targeted outcomes and Al-based recommendations
- Measure the impact of your promos before they run, mid-flight, and after completion
- Drive more customers into your stores and improve market positioning with promotions designed with your competitors' pricing in mind
- Bring more weight to the negotiating table and make the most of every vendor dollar
- Build tight collaboration and efficient execution of all those promotions with integrated cross-departmental workflows

**LEARN MORE:** Revionics breaks the mold with Al-powered promotions

## **Category-specific performance gains**

Al price optimization delivers particularly strong returns in high-velocity categories where small margin improvements scale significantly. In these categories, assuming electronic shelf labels are in place in the stores, Al systems can adjust prices as often as multiple times per day based on competitive activities and demand patterns. This dynamic approach typically reduces markdowns while optimizing revenue capture, creating a dual benefit of cost reduction and revenue enhancement.

Al also excels at identifying price elasticity opportunities that human analysts might miss. By analyzing purchase patterns Al systems can identify products where modest price increases won't materially impact demand, or conversely, where strategic price reductions can drive significant market share gains.

# How Revionics can help you achieve more ROI from every category

In today's volatile trade environment, outdated and slow-to-adapt pricing strategies can quickly crush a category. For over two decades, Revionics solutions have proven to be effective in supporting retailers during times of tariffs, inflation and commodity cost swings.

Along the way, we have learned many lessons, as has our AI, to help ensure our clients optimize their financial and customer results in every category during times of disruption and uncertainty. Download <u>this case study</u> to learn how one retailer leveraged Revionics to modernize pricing and deliver ROI in a notoriously volatile market.



**LEARN MORE:** Drogaria Araujo innovates pricing to stay on top

## The tangible value of enhanced competitive responsiveness

Traditional pricing processes often involve weekly or monthly price review cycles, creating significant lag time between market condition shifts like competitor price changes and retailer responses. Al systems monitor competitive pricing in real-time and can implement price adjustments within hours of competitors' moves. This agility is particularly valuable in high-traffic categories where price positioning directly impacts store traffic and market share.

The competitive advantage is measurable.

Research indicates that retailers using

Al pricing systems typically respond to

competitor price changes 5 to 10 times

faster than those using manual processes.

In competitive markets, this speed advantage
translates to market share protection and,
in many cases, market share gains as

competitors struggle to match the pace of Aldriven pricing adjustments.

## How Revionics can help optimize your competitive price position

Revionics understands that effectively responding to competitive prices is not simply about changing prices more often. It's about understanding your consumer signals in real-time and translating those signals into intelligent pricing decisions. And of course, doing so in the greater context of your business strategy and existing processes.

This is where data-driven price optimization becomes crucial, not just for interpreting but also anticipating customer demand. That is how we help retailers both deliver and generate value with pricing. Our internal research and client results indicate that when a retailer combines Al-driven price strategies with electronic shelf labels in the store (that remove the manual limitation on how many price changes they can deploy), they have a chance to realize up to 33% more profit value potential.



**LEARN MORE:** The financial impacts of combining Electronic Shelf Labels and price optimization

## Operational efficiency and resource optimization

Al pricing automation can eliminate potentially thousands of hours of manual pricing work every year, freeing pricing teams to focus on strategic initiatives rather than tactical execution. This efficiency gain is particularly valuable in retail verticals where pricing teams often manage tens of thousands of SKUs across multiple locations with limited resources.

The operational benefits extend beyond labor savings. Al systems reduce pricing errors that can result in compliance issues, customer complaints, or margin erosion.

They also improve forecasting accuracy, enabling better inventory planning and reducing both out-of-stock incidents and excess inventory situations.

## How Revionics can help maximize operational efficiency

Revionics is built not only for accuracy, but also for speed. Our deeply experienced solutions quickly earn the trust of our clients' pricing teams to allow the vast majority of pricing recommendations to be accepted and executed without human intervention.

Embedded processes and tools monitor pricing performance and alert decision makers of any results that require attention. These efficiencies make it possible for our clients to elevate the focus of their pricing teams to the truly strategic categories, locations and SKUs that drive maximum ROI.

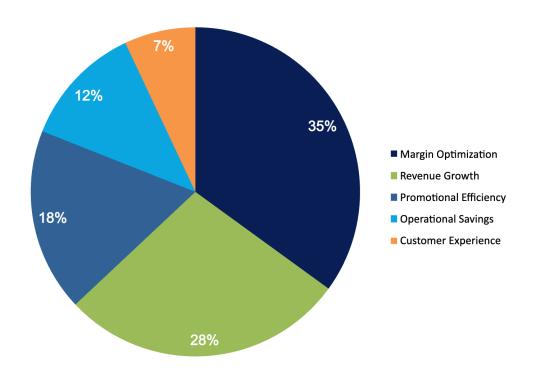


**LEARN MORE**: Delhaize America Gains Invaluable Partner for Price Optimization Journey



## **Long-term strategic benefits**

Al-Based Price Optimization **Typical distribution of value achieved after implementation** 



How the strategic value of Al-based price optimization technology is typically distributed across five key benchmarks

While the immediate financial returns from Al price optimization are compelling, the strategic value creation extends far beyond short-term profit improvements. These systems have the potential to fundamentally transform how retailers operate, compete, and grow in an increasingly complex marketplace:

#### Creating a data-driven decision culture

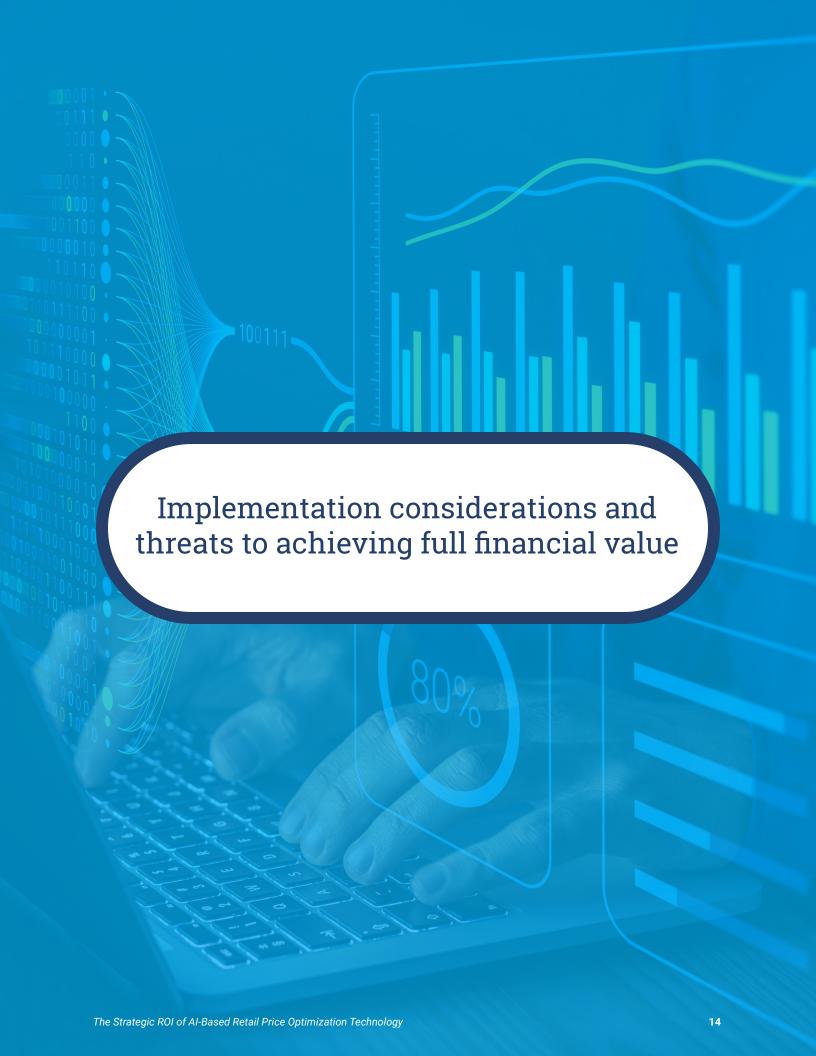
Al price optimization serves as a catalyst for broader organizational transformation toward data-driven decision making. For retailers embarking on their AI transformation, price optimization offers the ideal starting point, delivering a fast and high-impact win that builds crucial momentum. Unlike massive, multi-year Al projects, a pricing solution can be implemented in a matter of months, generating measurable ROI within the first year, and often within the first quarter. This rapid return creates a powerful engine to fund a broader AI roadmap, fueling innovation in supply chain, marketing, and other key areas of the business.

The value of this cultural transformation is difficult to quantify but represents significant long-term competitive advantage. Organizations that successfully embed data-driven decision making across multiple functions consistently outperform competitors in profitability, growth, and operational efficiency metrics.

#### Customer experience and loyalty improvements

Al pricing systems contribute to improved customer experience through more consistent and logical pricing patterns. By analyzing customer purchase behavior and price sensitivity across different segments, Al can optimize pricing to enhance perceived value while maintaining profitability. This approach builds customer trust and loyalty, reducing price-based shopping behavior and customer churn.

Research indicates that retailers implementing AI pricing see 8% to 12% improvements in customer value perception scores, with corresponding increases in customer retention rates. The lifetime value impact of improved customer loyalty far exceeds the immediate pricing gains, creating sustained competitive advantage and revenue growth.



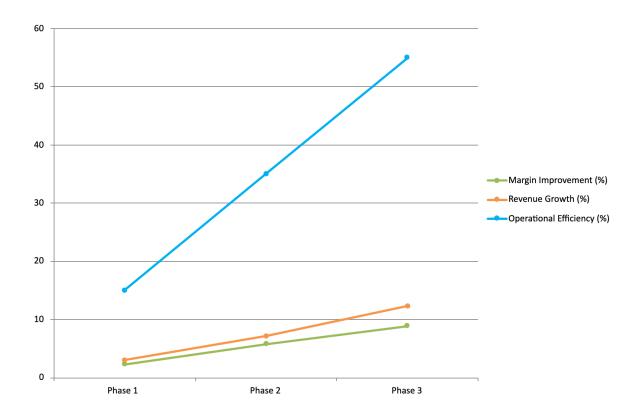
## Implementation considerations and time to value

Unlike many enterprise technology implementations that require years to deliver returns, AI pricing systems can often be operational within 6 months and begin generating positive ROI almost immediately:

- Phase 1: Foundation and quick wins Initial implementation processes focus on data integration, core pricing automation, competitive monitoring capabilities, price families, and product gapping. Even basic Al pricing functionality typically can deliver 2% to 3% margin improvement within the first phase, providing immediate validation of the investment decision and generating cash flow to fund broader implementation.
- Phase 2: Advanced optimization
   As the system learns from market responses and accumulates performance data, optimization sophistication increases significantly. Advanced elasticity modeling, promotional optimization, and dynamic pricing capabilities are deployed, often doubling the initial performance gains achieved in Phase 1.
- Phase 3: Strategic integration
   Full integration with broader business processes—including assortment planning, supplier negotiations, and customer analytics—creates exponential value improvement. Retailers in this phase often report total pricing-related profit improvement of 8% to 15%, representing some of the highest ROI investments in their technology portfolio.

The speed to value from AI price optimization is one of its most compelling attributes. AI pricing systems can often be operational within 6 months and begin generating positive ROI almost immediately.

## Al-Based Price Optimization **Estimated Business Impact by Implementation Phase**

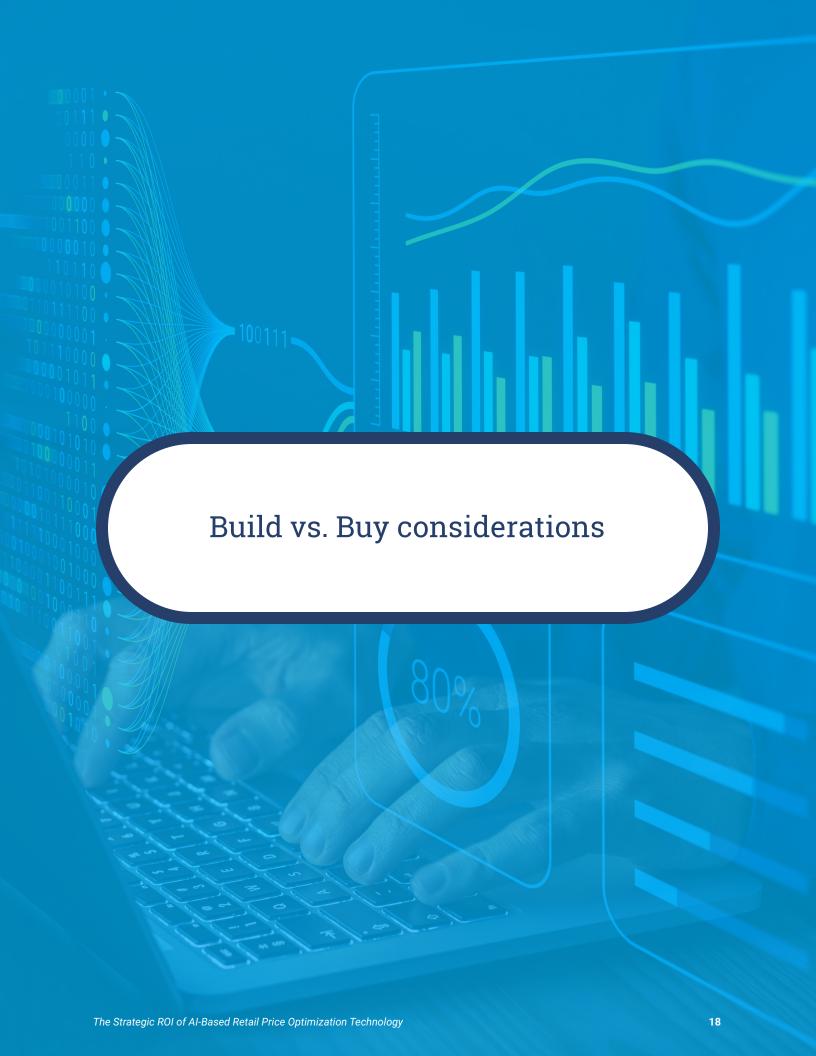


Improvements in margin, revenue and efficiency all begin accruing very quickly after implementing Al-based price optimization technology, with efficiency gains being the most dramatic.

## Risk mitigation and success factors

While the ROI potential of AI price optimization is substantial, success requires careful attention to implementation factors that can impact returns:

- Data quality and integration
   Al pricing systems are only as effective as the data they analyze.
   Successful implementations require clean, comprehensive data integration across point-of-sale systems, inventory management, competitive intelligence, and customer analytics platforms.
- Change management and training
  The transition to Al-driven pricing requires significant change management to ensure organizational adoption. Pricing teams must develop new skills in interpreting Al recommendations, understanding algorithmic decision-making and managing automated processes. Studies consistently indicate that companies that invest in training and change management typically see 20% to 30% better performance outcomes than those that treat Al implementation as purely a technology deployment.
- Executive buy-in and sponsorship
   While not unique to pricing technology
   implementations, consistent, sustained and
   visible executive buy-in and sponsorship
   are particularly important. Having senior
   executives ensure cross-department
   cooperation and collaboration is critical
   to achieving maximum financial benefit
   from a price optimization technology
   investment.



#### Build vs Buy with AI: Maximum value almost always comes from investing in commercial solutions

While some large retailers have considered building internal AI pricing capabilities, the total cost of ownership equation typically favors commercial solutions. Internal development typically requires 18 to 36 months of development time, specialized AI talent that commands premium salaries and ongoing maintenance costs that often exceed commercial solution pricing.

Moreover, commercial solutions benefit from continuous improvement driven by insights from multiple client implementations, providing algorithmic sophistication that would be difficult to replicate internally.

LEARN MORE: RSR Executive
Perspectives: Build vs. Buy for Retail
Price and Promo Optimization

Buying a best-of-breed solution allows your organization to focus on what it does best: being a world-class retailer. You can leverage powerful technology as a service without diverting your most valuable resources—talent, capital, and leadership attention—away from other core retail functions like merchandising, marketing, and customer experience, and into a high-risk software development project.

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## A long history of delivering financial value

For more than 25 years, Revionics has helped leading retailers across the globe achieve measurable, tangible and meaningful financial returns on their investments in our retail AI pricing solutions.

Here are two examples of client successes:

#### **CLIENT PROFILE:**

- Global mass merchant
- Over 6000 locations
- More than 470,000 SKUs

#### **Retailer Challenges**

- Difficulty optimizing a large and diverse assortment
- Disjointed data and processes
- Scalability limitations

#### **Pricing Strategy Objectives**

- Full lifecycle automation and optimization
- · Strengthen data-led decision making
- Improve promotional performance

#### Results

- Base price optimization delivered 9x ROI
- Identified \$50M in ineffective promotions
- Markdown sell-through improved by >30%

#### **CLIENT PROFILE:**

- National discount retailer
- Over 8000 stores

#### **Retailer Challenges**

- Cumbersome pricing processes
- Diverse competitive environments and consumer groups
- Limited integrated pricing analytics

#### **Pricing Strategy Objectives**

- Preserve consumer price perception as the value leader
- Rapidly react and adapt to shifting market conditions
- Improve inventory sell-through on clearance

#### **Results**

- Total gross margin increased by 4%
- Gross margin on key profit-driving categories increased 6%
- Inventory sell-through on clearance increased 10%

# The near future: Agentic AI has the potential to amplify the ROI

The ROI of AI price optimization is expected to expand significantly as technology capabilities continue to advance. Combining emerging Agentic AI capabilities with predictive AI and GenAI will dramatically improve efficiencies, workflows, and ultimately, response times at the shelf.

Industry analysts anticipate as much as 15% to 25% additional performance improvements beyond current AI pricing benchmarks through several transformative capabilities:

#### **Enhanced autonomous decision making**

Agentic Al represents an opportunity for many manual pricing processes to evolve to fully autonomous agent workflows that can make and execute pricing decisions independently.

In the very near future, AI agents will be able to help pricing teams:

- Make real-time pricing adjustments without always requiring human intervention across thousands of SKUs.
- Execute complex promotional strategies automatically based on inventory levels, competitor actions, and demand patterns.
- · Respond instantly to market disruptions like supply chain issues or competitor price wars.

Analysts estimate that Agentic Al's ability to operate independently, learn continuously, and optimize across multiple variables simultaneously can potentially **double or even triple the ROI** of traditional Al pricing investments.

# How Revionics is putting Agentic AI to work to help clients drive greater ROI

Revionics recently announced the release of its new multi-agent AI pricing capabilities. Within this multi-agent pricing system, intelligent AI agents work together to help retailers solve complex pricing problems and optimize pricing decisions.

The system coordinates across the agents to automate the entire workflow. For example, one agent can quickly tell you which products are priced higher than your competitors, another could forecast the impact to your business if you matched those prices, and another would apply business rules while executing the price changes.

Revionics' Al pricing agents will be able to:

- Surface suggested actions across all areas of pricing
- Evaluate user-inputted pricing recommendations, analyze additional scenarios and visualize the impact of pricing decisions
- · Execute pricing changes in real time



**LEARN MORE:** Revionics unveils alpha release for multi-agent AI pricing system at Google Cloud Next



## The strategic imperative for AI pricing adoption

The evidence supporting significant ROI from AI-based price optimization in retail is overwhelming. Financial returns in the first year are remarkably consistent, while strategic benefits including competitive agility, operational efficiency, and customer experience improvements provide sustained long-term value creation.

In an industry where margin pressures continue to intensify and competitive dynamics become increasingly complex, AI price optimization represents both a defensive necessity and an offensive weapon for market share growth.

Retailers that act decisively to implement comprehensive AI pricing capabilities will establish sustainable competitive advantages that compound over time. Those that delay risk falling permanently behind in an increasingly AI-driven competitive landscape where pricing precision, speed, and sophistication determine market success.

The ROI case for AI-based price optimization in retail is clear, compelling, and urgent. The only remaining question is how quickly retailers can mobilize to capture these transformative returns.

In an industry where margin pressures continue to intensify and competitive dynamics become increasingly complex, AI price optimization represents both a defensive necessity and an offensive weapon for market share growth.

#### **About Revionics**

Revionics brings superior science to the entire pricing lifecycle. <u>Powerful</u> <u>solutions</u>, backed by best-in-retail science and unmatched retail expertise, deliver sustained value for leading retailers around the world.

Our modern modeling framework is highly accurate, scalable, and extensible and enables us to solve very complex pricing challenges. This fundamentally drives more value for our customers while enabling us to innovate new features much more quickly.

Our solution dynamically shapes demand, responding to real-world signals to drive revenue and loyalty while also offering better promotions and pricing on the items consumers care about the most. Our clients consistently outpace the market in revenue growth while growing profits and raising AURs less often than the competition.

Revionics LLC, an Aptos Company, provides enterprise retailers around the world with leading science-based solutions for pricing, promotions and markdowns. As a trusted partner for top retailers across a variety of industries and markets, Revionics delivers unparalleled results in ROI, profit lift, process efficiencies and more.

