

Advanced Demand Sensing

**Predict Smarter.
Plan Faster.
Perform Better.**

Puls8 360 ads reshapes demand planning with AI/ML-powered Advanced Demand Sensing, enabling faster, more precise decision-making across inventory, transportation, location and production. By capturing real-world variables like promotions, pricing, and weather, Puls8 360 ads delivers dynamic, lead-time-based forecasts at a daily, SKU/location/customer level. Built for speed, transparency, and scalability, it helps teams move beyond static models to smarter, more confident actions.

TARGETED FORECAST ACCURACY

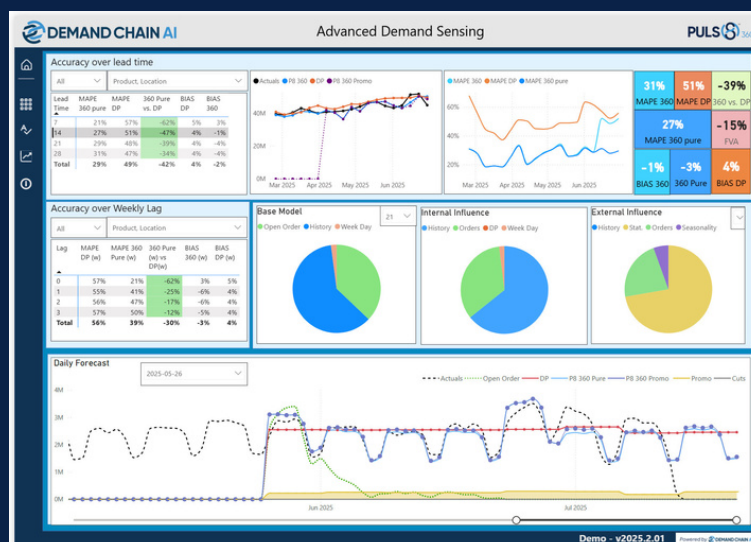
- Improves near-term forecast accuracy by 40%+ at daily, 7- and 14-day horizons for SKU/location/customer levels
- Adjusts dynamically for promotions, seasonality, new product trends, and market events
- Enables reliable scenario modeling with clear, explainable AI outputs

OPERATIONAL EFFICIENCY GAINS

- Reduces excess inventory, improves service levels, and lowers freight costs
- Enhances production and replenishment planning with precise, capacity-aware forecasts
- Minimizes manual intervention through automated outlier detection and feature engineering

RAPID DEPLOYMENT & SCALABLE INTEGRATION

- Achieves full deployment in 6-8 weeks, pilot-ready in as little as 3-4 weeks
- Seamlessly integrates with Puls8 Replan and existing supply chain tools—no system overhaul needed
- Scales easily across multi-site and multi-partner networks with minimal IT effort



Benefits:

Puls8 360 ads delivers AI-powered Demand Sensing that improves forecast accuracy by over 40% while streamlining inventory, transportation, location and supply planning. Built for speed, scalability, and transparency, Puls8 360 ads helps organizations replace static, error-prone models with automated, real-world forecasts—aligning teams, cutting costs, and driving more confident decisions across the business.

Category	Old Way	New Way with Puls8 360 ads
Demand Forecasting Accuracy	High error rates using static, manual models.	AI-driven forecasting improves accuracy by 40%+ at daily, SKU/customer/channel level across 7-14 day horizons.
Inventory Optimization	Excess stock or stockouts due to unreliable forecasts.	Balances service and cost by simulating scenarios and reducing excess inventory.
Transportation Forecasting	Reactive carrier planning with limited demand visibility.	Predicts lane-level demand, aligns carriers, and reduces freight costs.
Supply Planning & Replenishment	Site-level silos, no capacity awareness.	Capacity-aware plans with cross-site coordination and lead-time forecasting.
S&OP/IBP Alignment	Misaligned goals across commercial, ops, and finance.	Integrates workflows to align commercial, operations, and finance teams.
Data Inputs & Feature Engineering	Limited internal data only, manual preparation.	Automates feature engineering using diverse internal and external signals like promotions, weather, and pricing.
Outlier Detection & Adjustment	Manual edits introduce risk and inconsistency.	Automated outlier detection with transparent reporting and optional override controls.
Implementation Timeline	3-6 months or more, heavy IT dependency.	Starts modeling in as little as 6-8 weeks with a 1-stop shop delivery—no additional consultants needed.
System Integration	Complex, costly ERP or planning tool overhauls.	Seamlessly integrates with Puls8 Replan and existing systems, maximizing end-to-end capabilities with minimized resource utilization.
Total Cost of Ownership	High consulting and maintenance expenses.	Lower TCO through streamlined deployment, automation, and reduced reliance on external services.

Implementation & Support Approach :

Our structured implementation process is led by experienced practitioners who apply deep industry knowledge and proven best practices to ensure smooth, efficient deployment tailored to your business. Powered by the secure, scalable, and reliable AWS cloud platform, Puls8 360 ads integrates seamlessly with your existing systems via secure APIs—automating data exchange and operational rules while incorporating Digital Twin technology for precise simulation and forecasting.

- **Project Management**
- **Business Discovery**
- **Data analysis, preparation, validation, transformation**
- **Process design and change management**
- **Configure and test Puls8 Module**
- **Training and UAT**
- **Go Live (validation, parallel operation)**
- **Hypercare**

Our multi-tiered support model ensures fast, effective issue resolution and ongoing value, with clearly defined roles for a seamless support experience.

Level 1: Client SME

INITIAL TRIAGE OF ISSUES FROM INTERNAL PULS8 USERS; ESCALATES AS NEEDED.

Level 2: MSP Support

DIAGNOSES TECHNICAL, CONNECTIVITY, OR ENVIRONMENT ISSUES; OWNS ESCALATION AND RESOLUTION.

Level 3: Demand Chain Ai Support

HANDLES DATA INTEGRATION, FUNCTIONAL QUESTIONS, AND TICKET CLASSIFICATION (SUPPORT VS. ENHANCEMENT).

Level 4: Product Management

FINAL ESCALATION; REVIEWS COMPLEX ISSUES AND MANAGES UPDATES VIA CHANGE CONTROL.

WHY CHOOSE PULS8 360 ads?

AI-Powered Demand Sensing—Focused on What's Changing NOW

Smart Forecasting Technology

- Proprietary AI/ML models built specifically for near-term demand forecasting
- Prioritizes short-term fluctuations and immediate changes in demand, not long-range planning
- Automated feature engineering and outlier detection—no manual cleanup needed
- Seamless integration with Puls8 Replan and existing ERP or planning systems
- Transparent, explainable outputs with user-controlled override options

Proven Results

- 40%+ improvement in near-term forecast accuracy at daily, 7- and 14-day SKU/location/customer levels
- Reduced inventory carrying costs and stockouts through precise, real-time forecasts
- Predictive transportation demand forecasting cuts freight expenses
- Supports capacity-aware replenishment and production decisions
- Strengthens S&OP/IBP by aligning commercial, operations, and finance around shared, trusted forecasts

Scalable & Sustainable

- Fast rollout: pilot-ready in 3–4 weeks, full deployment in 6–8 weeks
- One-stop delivery—no additional consultants or third-party services required
- Scales across multi-site, multi-partner networks
- Lightweight, cloud-ready architecture with minimal IT maintenance

Unlike traditional demand planning tools focused on long-term projections, Puls8 360 ads is purpose-built to capture and respond to short-term demand volatility. It delivers real-time, highly granular forecasts that keep your supply chain aligned with today's shifting realities—ensuring you can act faster and smarter where it matters most.

Demand Chain AI brings deep expertise in Consumer Packaged Goods, particularly Food & Beverage, with over 1,500 years of combined experience. We deliver practical solutions in supply chain planning and forecasting.

Puls8 Intelligent Planning Solutions provide end-to-end, data-driven technology, enabling seamless operations, precision forecasting, and smarter decision-making.

By combining industry expertise with innovative solutions, we help businesses drive efficiency, improve agility, and achieve sustainable growth in a dynamic marketplace.

