GOVERNMENT FUEL INTEGRITY

PROGRAMS

Reduce unauthorized fuels.
Recover lost revenue.

Authentix®
The Authority in Authentication

Why an Authentix Fuel Integrity Program?

Fuel integrity programs have proven over time to be an integral part of stopping illicit fuel trade and creating substantial returns on investment for governments and citizens alike.
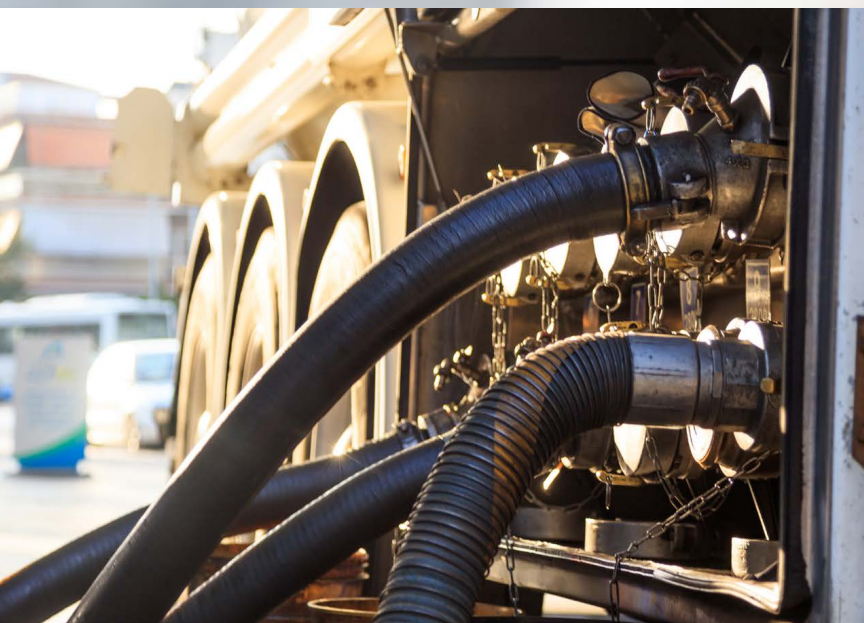
GOVERNMENTS	CONSUMERS	INDUSTRY
• Provides visibility to fuel flows and volumes	• Combats increasing environmental and engine damage caused by adulterated fuel	• Controls inventory and movement cost effectively
• Protects tax revenues while securing the quality and integrity of national fuel supply chains	• Reduces overall tax rates due to increased tax collections	• Promotes competition and reduces unfair trading/smuggling

Transforming Fuel Authentication with Technology & Data

Our proprietary markers and analyzers enable the Authentix Information System AXIS®, an integrated set of software applications designed to aggregate, store, analyze and present data from multiple sources to drive actionable insights.

Authentix Information System (AXIS®)

OPERATIONS

CUSTOMER DATA SOURCE

AXIS®
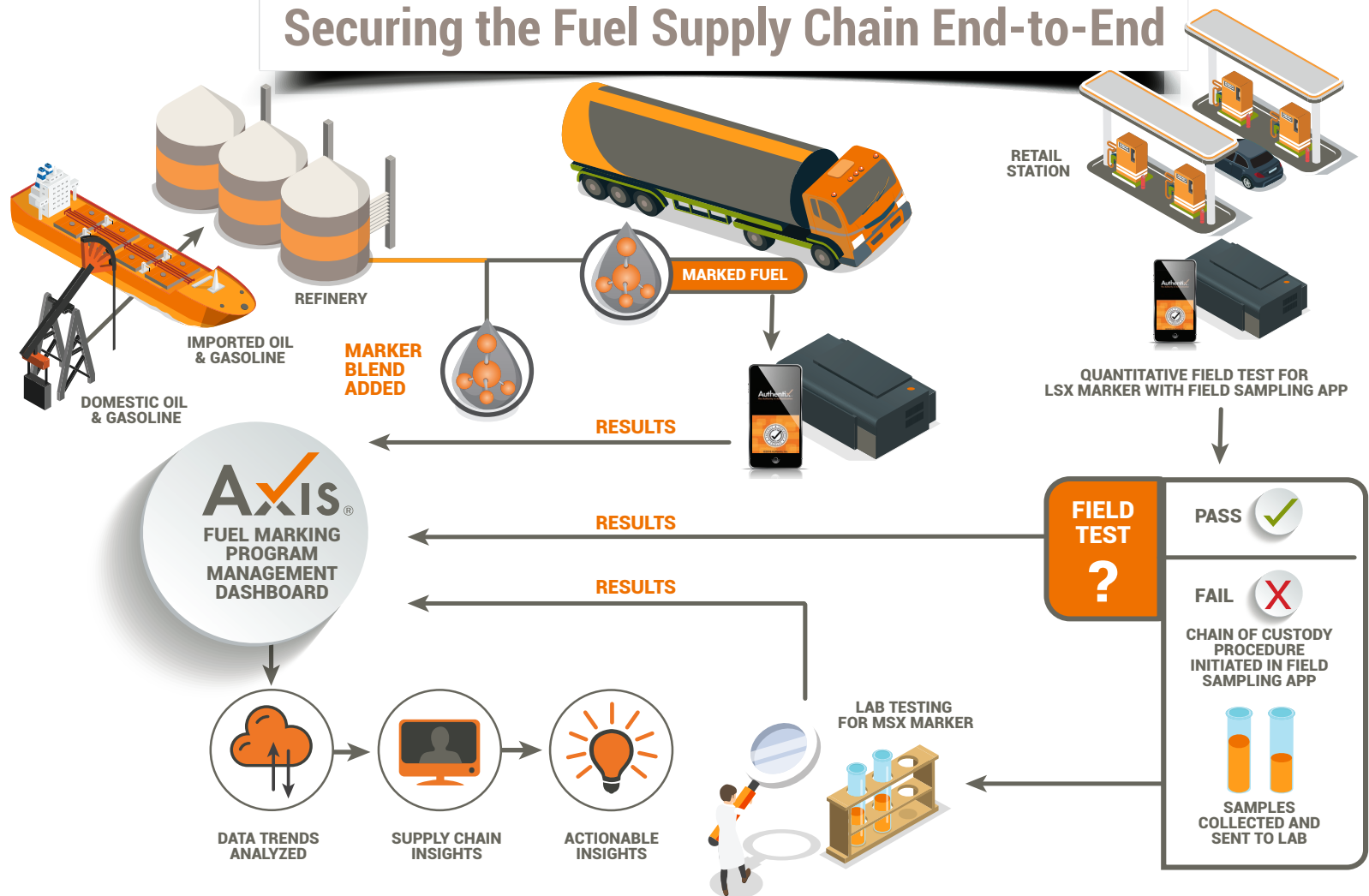
ANALYSIS

SUPPLY CHAIN MONITORING

Government officials are tasked with providing responsible and effective programs to ensure revenue collection and economic growth for their citizens. National fuel theft, fuel subsidy abuse, fuel diversion, and general evasion of taxation makes this a challenging endeavor. Ernst & Young has reported the annual worth of illicit fuel trade to be $133 billion per year and growing. Fuel fraud can be substantially reduced by employing a national fuel integrity program and supporting enforcement policies.

Instill Confidence in the National Fuel Supply

Authentix helps governments design, implement and enforce the most technologically advanced fuel integrity programs using covert, yet fully traceable solutions that detect fuel adulteration in the supply chain. Physical field inspections give immediate results, provide lab-based testing and confirmation analysis, along with actionable insights from data analytics for program optimization. This advanced marking technology is uniquely tailored for each fuel type and application. Moreover, it is also environmentally friendly, CHON compliant and difficult to compromise.

Authentix has implemented and actively operates dozens of national fuel integrity programs over the last 25+ years and protects multiple fuel products including diesel, gasoline, and liquid petroleum gas.

Securing the Fuel Supply Chain End-to-End

RETAIL STATION

IMPORTED OIL & GASOLINE

REFINERY

DOMESTIC OIL & GASOLINE

MARKER BLEND ADDED

MARKED FUEL

RESULTS

QUANTITATIVE FIELD TEST FOR LSX MARKER WITH FIELD SAMPLING APP

AXIS®
FUEL MARKING PROGRAM MANAGEMENT DASHBOARD

RESULTS

RESULTS

FIELD TEST ?

PASS ✓

FAIL ✗

CHAIN OF CUSTODY PROCEDURE INITIATED IN FIELD SAMPLING APP

DATA TRENDS ANALYZED

SUPPLY CHAIN INSIGHTS

ACTIONABLE INSIGHTS

LAB TESTING FOR MSX MARKER

SAMPLES COLLECTED AND SENT TO LAB

Services and Support

Authentix understands the challenges faced by governments and provides comprehensive services and support – from strategy to implementation and beyond. Our partnership approach and proven sector expertise inspires proactive innovation, helping you mitigate risks and increase revenue collections.

- **Consultation –** understand and define problem and establish program goals
- **Design –** develop program scope of services, approach and solution design
- **Implementation –** deploy solution across defined supply chain
- **Program Support –** manage program to ensure ongoing success

About Authentix

As the authority in authentication solutions, Authentix helps customers thrive in supply and distribution chain complexity. We provide advanced authentication solutions for governments, central banks and commercial companies, ensuring local economies grow, banknote security remains intact and commercial products have robust market opportunities. Our partnership approach and proven sector expertise inspires proactive innovation, helping customers mitigate risks to promote revenue growth and gain competitive advantage.

Authentix
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