



LIT: Global Leader in Anti-Counterfeiting & Traceability Solutions

Fighting illicit trade, securing official documents, and protecting trusted brands

LIT Fuel Marking System

Invisible • Indelible • Instantly Verifiable



Overview

LIT's **Fuel Marking Solution** provides to governments and fuel suppliers a powerful tool to **combat smuggling, fuel adulteration, tax evasion, and illegal cross border trading.**

Our system is built around high performance **chemical taggants**, enabling real time fuel verification anytime, anywhere.

LIT's solution ensures every drop of fuel can be authenticated at the **point of distribution, sale, or inspection**, using rugged, portable detectors and **parts per million (ppm)** level chemical signatures.

The Challenge

Fuel smuggling and dilution schemes cost governments **billions in lost revenue annually** and severely disrupt regulated fuel markets. Traditional tracking methods, such as shipping logs or receipts, are easily manipulated and hard to enforce in remote areas.

LIT offers a proven, science-backed solution: **molecular level marking** combined with **instant field verification** making tampering and theft virtually impossible.

Key Features

Invisible Chemical Taggants

Proprietary markers blended into fuel at ppm levels undetectable to counterfeiters yet easily identified with LIT detectors.

Field Tested Detection Kits

Portable, easy-to-use detection devices are used to confirm that taxes have been paid and the fuel has not been diluted.

Tamper Proof & Unclonable

LIT's markers are chemically engineered to resist mimicry, degradation, and environmental changes.



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Proven Results



Rapid ROI



Significant Fuel Fraud reduction

Deployment & Support

LIT offers a **turnkey solution** including:

- Custom chemical taggant formulation
- Detector kits calibrated to local fuel types
- Rollout planning and enforcement training
- Data analysis and Reporting

Smarter Enforcement. Cleaner Markets. Greater Revenue.

LIT's Fuel Marking Solution allows **tracking, verification, and fuel supplies protection** across borders and distribution networks reliably and cost effectively.

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