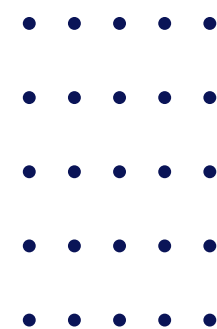




Electronic Logging Device Integration for Fleet Compliance

A Case Study





About Our Client

A California-based leader in commercial vehicle solutions offering GPS tracking, driver behavior monitoring, and video telematics. Partnered with Syntactics, Inc. in 2012 to build scalable fleet management platforms serving transport, government, and insurance sectors.





The Challenge

Our client faced rising compliance pressure from the US and Canadian ELD regulations. Their outdated, manual systems caused inefficiencies, compliance risks, and potential reputational damage, threatening both operations and customer trust.

Client Requirements

To address these concerns, the client needed a modern fleet tracking system with full ELD compliance, real-time GPS tracking, and automated reporting. The goal was to future-proof operations and stay competitive in a regulation-heavy industry.

Our Solution



Syntactics' development team built a cross-platform, ELD-compliant system using ReactJS, Swift, and Kotlin. The platform integrated real-time GPS tracking and standard-compliant frameworks, plus self-guided training modules for faster onboarding.






Project Results

- **Compliance & Retention:** Improved customer trust through full regulatory compliance
- **Competitive Edge:** ELD-ready GPS tracking became a key differentiator
- **Scalability:** Flexible architecture ready for future updates and expansions
- **Operational Gains:** Streamlined workflows and real-time fleet visibility



Client confidentiality: at Syntactics, due to the competitive nature of the digital industry, we take our client's work, IP, and confidentiality seriously. As such we don't share the specifics of our client outcomes, only more general information, and we don't connect case studies to our clients' brands. We are happy to supply nonattributable testimonials and or references if there is no commercial risk to our clients or Syntactics.



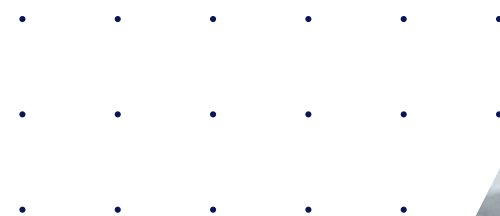


Key Features and Benefits

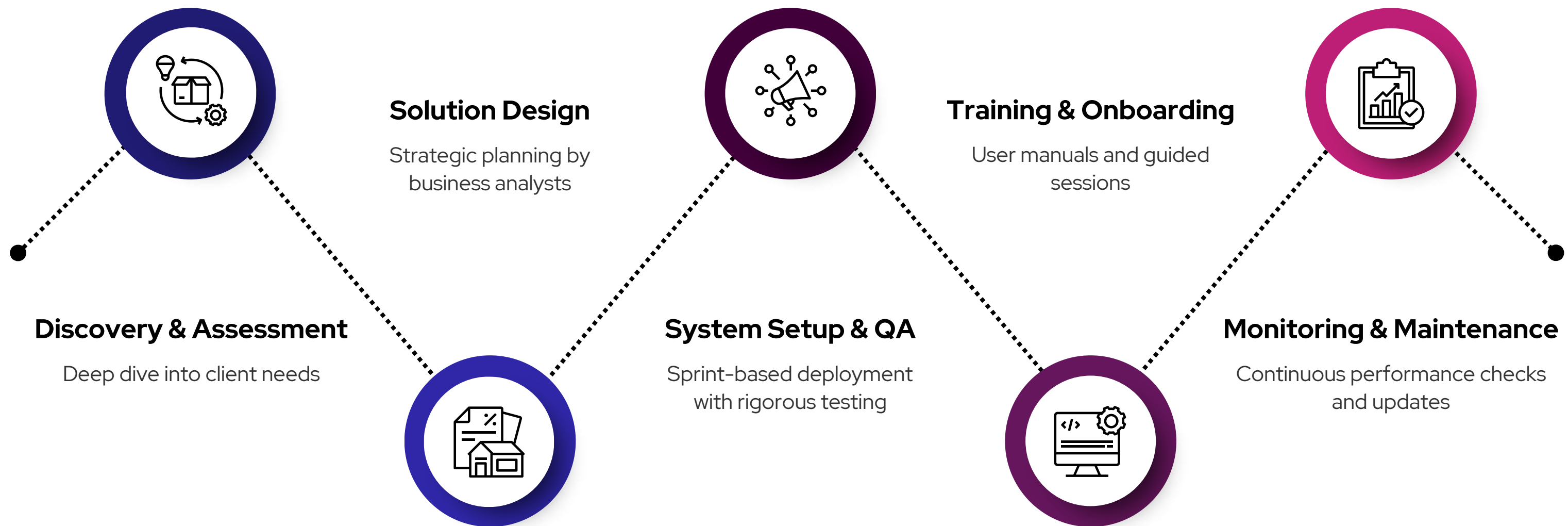
Besides compliance, our strategic solution delivered substantial operational benefits, such as:

- **User-friendly Interface:** Enabled smooth adoption of multilingual support across Android and iOS devices.
- **Automated Compliance:** Simplified Hours of Service (HOS) and Driver Vehicle Inspection Report (DVIR) management with real-time alerts to help minimize penalties and avoid violations.
- **Advanced Reporting:** Equipped operators with detailed back-office reporting, conflict detection for log inconsistencies, and proactive maintenance alerts.
- **Driver Engagement:** Integrated a gamified scoring system that promoted safer driving habits and accountability with the fleet.

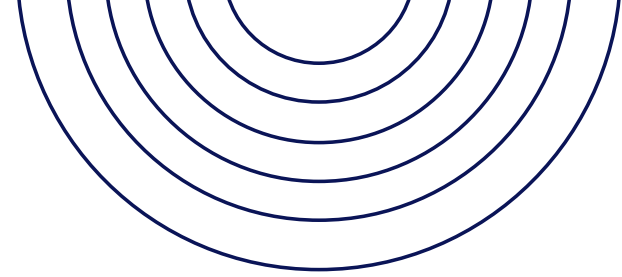
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Syntactics Approach



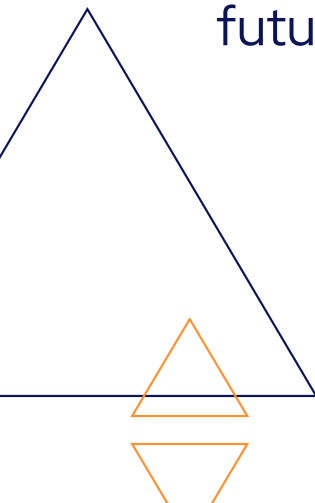
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WHY SYNTACTICS

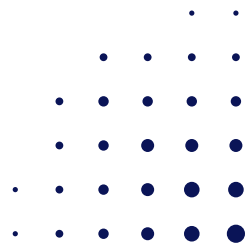
While Syntactics, Inc. may not be a niche provider in the fleet tracking space, we bring extensive experience in custom software development and dedicated support services across industries, including transport, government, and insurance. This deep industry knowledge enabled us to understand our client’s operational and compliance challenges and craft a solution that met stringent regulatory standards.

Backed by a team of experts in system design, development, QA, and maintenance, we delivered a scalable, ELD-compliant platform that empowered our client to streamline operations, improve safety, and maintain compliance. Our structured development process, combined with real-time tracking and reporting features, helped future-proof their business in a highly regulated market.



We demonstrated that a dedicated development team can do more than just build systems—we enable growth, enhance compliance, and drive lasting operational improvements. As a result, our client continues to rely on us to evolve their platform and meet the demands of their industry.

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Contact Us Now for a Discovery Call!

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