



SECURING VEHICLE DATA



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"Traditional" Vehicle Data

- **ECM:** Electronic Control Module access
- **Primary Use:** Vehicle Diagnostics & Reprogramming
- **ECM's Include:** Engine, Transmission, Braking, & Body Control ECMs & Related Data
- **ELDs:** Electronic Logging Devices are not secure
- **eDVIR:** Risky electronic Driver Vehicle Inspection Reports

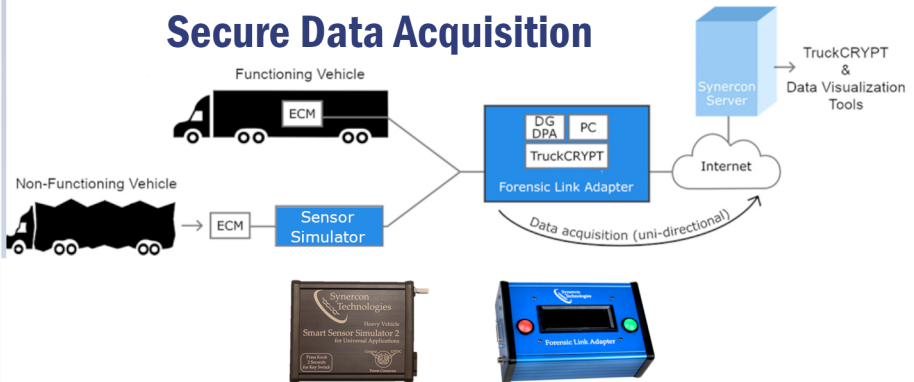
Securing Vehicle Data

- **Secure ECM Data Acquisition:** Extracts historical vehicle use data & timelines.
- **Identifies OEM Software:** Specific versions in use on the vehicle

Secure Processing of Forensic Data

- **Data Integrity:** Via end-to-end encrypted Data Transfer
- **Cybersecurity:** Cloud Storage of ECM data

Secure Data Acquisition



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Why Secure Vehicle ECM Data?

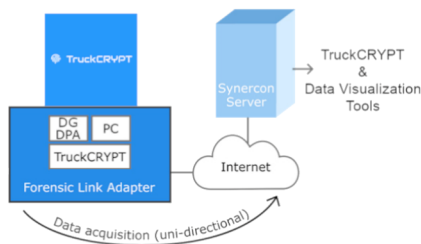
- **Truck Fleets:** Accident reporting, Investigation & reconstruction, Training
- **Police/Highway Patrols:** Investigations, Inspections, Courts, Legal concerns
- **Cybersecurity/CAN:** Network researchers for repeatable secure data capture and transfer

How to Secure Vehicle ECM Data

- **Repeatable Data:** Acquisitions will not overwrite or reset stored ECM data
- **Cybersecurity:** Data reports are secured using the latest encryption methods
- **Simple & Easy:** Extraction process is automatic, requires little setup and training
- **Safe & Sound:** Data is forensically sound; ensures usefulness as evidence

Methods to Secure Vehicle ECM Data

- **Web-based Portal:** For easy and secure data access
- **Familiar Apps:** Use ECM data acquisition
- **Cybersecurity:** Repeatable ECM data acquisition
- **Data Visualization Tools**
 - ▶ View data and graphs in multiple formats
 - ▶ Export information to other applications
 - ▶ Tools aid users in data analysis
- **Data Processing:** Securely and remotely, no PC software needed
- **Secure Sharing:** With analysis for teams, individual logins



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