

BITEC ELD



ELD System

BITEC ELD solution ensures FMCSA compliance and delivers superior safety and productivity for any fleet

elbitec.com
BITEC ELD - Electronic Logging Device

Main Features

ELD Compliance and much more

Automatic HOS

Automatic hours of service calculation and violation alerts.
Automatic recording of driving time, miles and locations.



Compliance Monitoring

Monitor your drivers' hours of service logs and DVIRs.
Receive alerts to prevent violations.

DOT Inspection Mode

Simply show logs on your phone or tablet.
No printer needed.



Fleet Tracking

Track your vehicles in real time and view their
location history.

Multiple HOS Rules

Compliant with multiple HOS rules including
Property/Passenger 60-hour/7-day & 70-hour/8-day.



IFTA reporting

Automatic IFTA state mileage reporting saves you
time and money.

Electronic DVIR

Vehicle inspection reports are created and
submitted in seconds.



Access Permissions

Manage permissions for fleet managers, compliance
officers, drivers, accountants, brokers and customers

ELD Components

Things You Need To Stay Compliant

Logging Device



Simply plug Electronic Logging Device into a vehicle ECM port and start recording driving hours and miles automatically.

Logbook App



Logbook app connects to Electronic Logging Device via bluetooth and displays recorded driving time to a driver.

Tablet/Smartphone



ELD & App work great with most tablets and smartphones. Use your own or purchase devices and data plans from us.

Install & Connect ELD

ELDs are installed within minutes



✓ Locate ECM (diagnostic) port

Locate ECM (diagnostic) port inside of your vehicle. Look for 9-pin or 6-pin circular ports in heavy duty vehicles. Look for OBDII port in light/medium duty vehicles.

✓ Install ELD

Simply plug the provided cable into a vehicle ECM (diagnostic) and attach the other end to the ELD device. The dual fastener is provided for dash mounting.

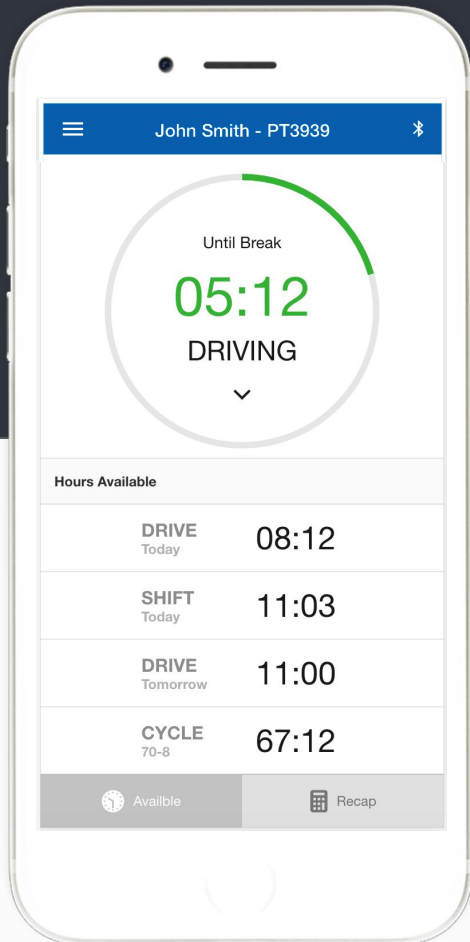
✓ Log into ELD Logbook App

Log in to ELD Logbook App on your tablet/smartphone with a username and password created during a sign up process or provided by a fleet manager.

✓ Connect ELD

Select a vehicle from a list of available vehicles and your device will attempt to connect to ELD via Bluetooth. Green Bluetooth indicator at the top right corner means you are ready to start using ELD.

Driving with ELD



- ✓ Once ELD connected, your driving time will be captured automatically.
- ✓ Once your vehicle is moving at 5 mph or more, your duty status is switched to Driving.
- ✗ Your logs and others features are not available while in Driving mode due to safety reasons.
- ✓ Once your vehicle is stopped, you may change your duty status by tapping on the status circle. The app will remind you to make a selection in 5 minutes. If no selection is made, your duty status will be switched to On Duty.



Hours

Available driving hours, required breaks, on-duty limits and required off-duty time are calculated automatically

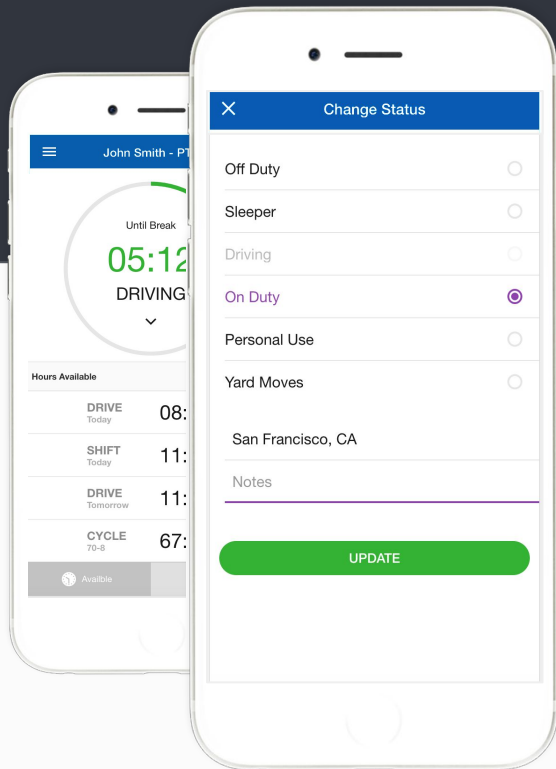


Warnings

Visual notifications and sound warnings help you to avoid hours of service violations and stay compliant

Duty Status

Set duty status with just two-clicks. Status is updated automatically when driving starts or stops, Easy-to-use interface allows drivers to spend less time doing paperwork and more time driving. ELD simplifies training and prevents log errors.



Current Status

Current duty status is always displayed on Status page inside of status circle along with available or reset hours.



Change Status

Tap the status circle, select your current status, add a note if necessary (i.e. pre-trip inspection) and press "Update" button.



Personal/Yard

Personal Use Off-duty and Yard Move On-Duty statuses must be configured and allowed by a fleet manager.

Logs

Managing logs has never been easier

Today's Log

Tap on TODAY's log to view & manage your current log.



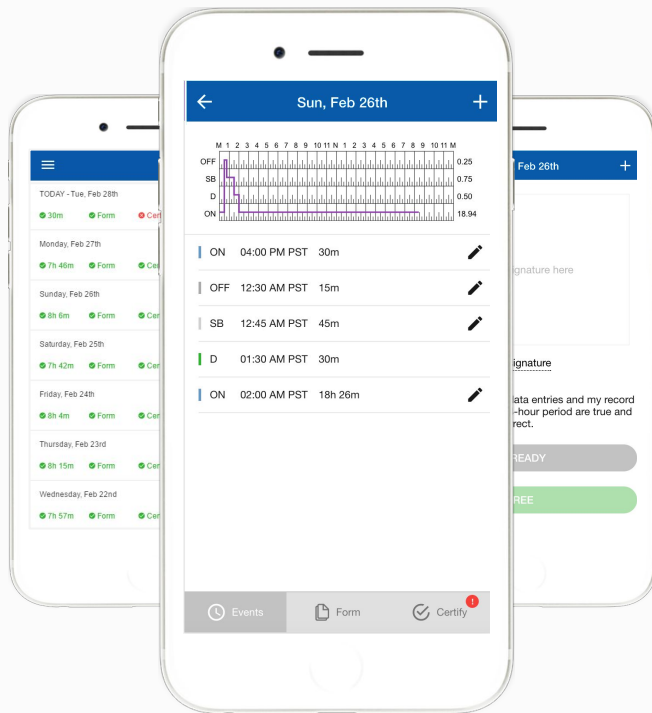
Logs History

View past logs & violations if any. Tap on a log you would like to view or edit.



Graph Grid

Similar to paper logs, view your hours or service on the graph grid.



Statuses/Events

Tap on a specific status in the events section to view location and notes.



Edit/Insert Status

Press on "Pencil" to edit or "+" to insert a past duty status.



Certify Log

Tap "Certify" and sign your log when your shift ends.



DVIRs

Paper-free DVIRs save time for drivers

Add DVIR

Tap "+" to add pre-trip or post-trip inspection report



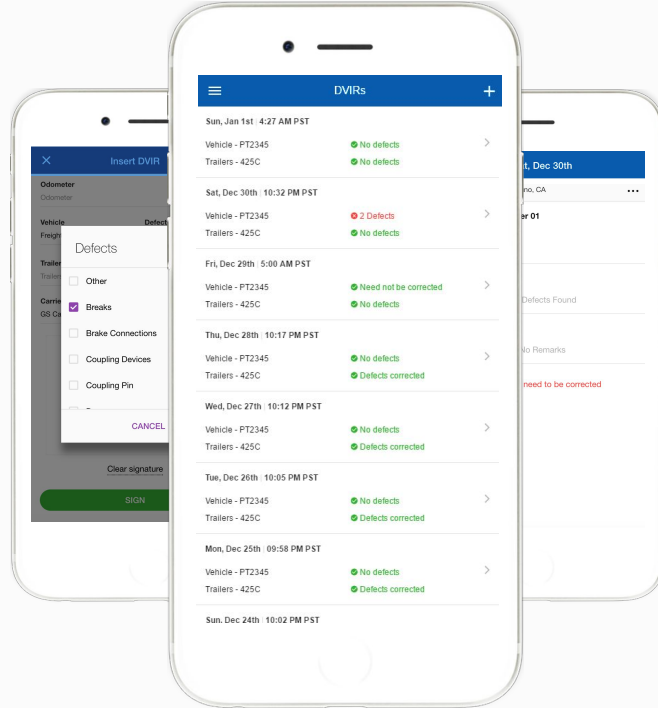
Defects

Select defects (if any) from the list and sign DVIR



Correct Defects

Notify mechanic if defects need to be corrected



Review last DVIR
Tap on DVIR to review and to confirm the issues have been resolved



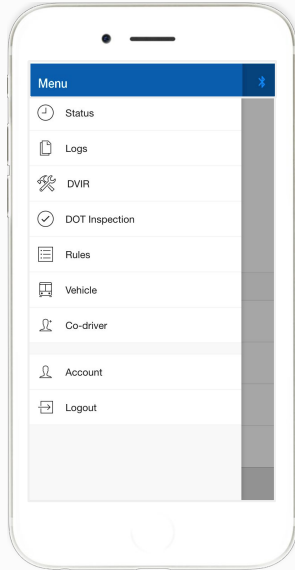
DVIRs History
Review past DVIRs to prevents compliance errors



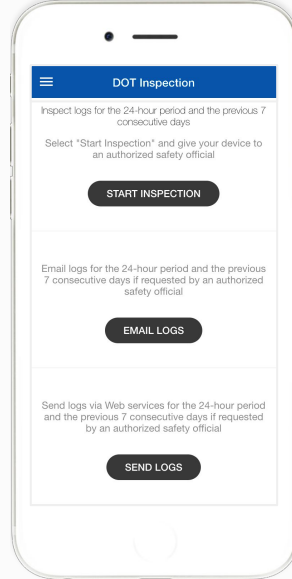
Edit DVIR
Tap "... " button to edit DVIR and to fix any errors

Easy to Use & to Navigate

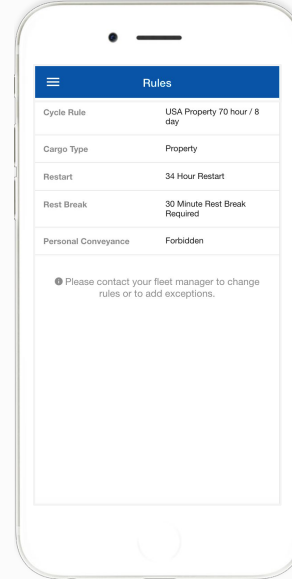
Driver-friendly ELD Logbook interface



Easy-to-Navigate
& Simple Menu



Tap "Start Inspection"
for DOT Mode



View HOS Rules
and Exceptions

Compliance Dashboard

10

Make sure your drivers stay compliant and productive



Current Status

View current statuses and locations of your drivers. Click on a driver to see details.



Real-Time Hours

View real-time hours to avoid violations and regulatory fines



Violations

Monitor violations in real time and mitigate compliance risks

| NAME | STATUS | LOCATION | VEHICLE | BREAK | DRIVE | SHIFT | CYCLE | VIOLATIONS | LAST ACTIVITY |
|---------------|----------|--|-----------------|-------|-------|-------|--------|------------|---------------|
| Mark Romery | Driving | 15 mi NE of Foley, AL 08:24 PM PST | Truck 16 FT809 | 06:34 | 09:34 | 12:17 | 68:34 | | 08:24 PM PST |
| Vincent Jay | Driving | 14.0 mi NE of Harrisburg, PA Jan 24 | Truck 1 PT3026 | 05:12 | 08:12 | 11:03 | 67:12 | | Jan 24 |
| Sam Roy | On Duty | Minnetonka, MN Jan 23 | Truck 83 PT5049 | 08:00 | 11:00 | 14:00 | -27:36 | | Jan 24 |
| Diego Alvarez | Driving | 16.9 mi NW of East Pensacola, FL Jan 24 | Truck 59 FT680 | 02:55 | 05:55 | 08:43 | 64:55 | | Jan 25 |
| Bogdan Titov | Driving | 40 mi NE of West Gulfport, MS Jan 22 | Truck 97 PT112 | 00:53 | 03:53 | 06:30 | 62:53 | | Jan 22 |
| John Smith | Off Duty | 17.1 mi W of Andover, MN Jan 23 | Truck 36 FT5027 | 00:18 | 03:12 | 06:00 | 62:00 | | Jan 23 |

Vincent Jay Edit Refresh

555-345-2345 john@hos247.com USA Property 70 hour / 8 day Last Update: JAN 21 4:00 PM EST

Hours of Service

| STATUS | DATE | VEHICLE | LOCATION | BREAK | DRIVE | SHIFT | CYCLE |
|---------|--------------------|-------------------|------------------------------|-------|-------|-------|-------|
| DRIVING | JAN 11 4:00 PM EST | Truck 29 - PT2929 | 14.0 mi NE of Harrisburg, PA | 05:12 | 08:12 | 11:03 | 67:12 |

> Recap
> Map

Logs

Recent Log

| DATE | HOURS DROVE | DISTANCE | VIOLATIONS & ERRORS |
|-------------|-------------|----------|---------------------|
| 11 Jan 2017 | 2 hours | 378 mi | |

Last 14 Days More

| DATE | HOURS DROVE | DISTANCE | VIOLATIONS & ERRORS |
|-------------|-------------|----------|---------------------|
| 10 Jan 2017 | 10 | 321 mi | |
| 11 Jan 2017 | 10 | 427 mi | |
| 12 Jan 2017 | 10 | 358 mi | |
| 10 Jan 2017 | 10 | 310 mi | |
| 11 Jan 2017 | 10 | 321 mi | |
| 12 Jan 2017 | 10 | 382 mi | |
| 10 Jan 2017 | 10 | 361 mi | |
| 11 Jan 2017 | 10 | 470 mi | |

Driver Details

Everything about the driver in one place



Hours of Service

View current status and real-time hours. Available and reset hours are calculated automatically.



Driver Logs

View current log graph grid and last 14 logs. Click on a log to see log details. Click "More" to view historical logs.



Violations & Errors

Monitor violations and errors in real time. View past violations and mitigate compliance risks.



Details

View driver contact information, current or last known vehicle and location.

Logs

Make sure your drivers stay compliant and productive

| DATE | DRIVER | HOURS DROVE | MILES DROVE | VIOLATIONS & ERRORS |
|--------|---------------|-------------|-------------|---------------------|
| Jan 24 | Mark Romery | 11 | 293 | |
| Jan 24 | Vincent Jay | 10 | 374 | |
| Jan 24 | Sam Roy | 11 | 356 | |
| Jan 24 | Diego Alvarez | 10 | 341 | |
| Jan 24 | Bogdan Titov | 11 | 328 | |
| Jan 24 | John Smith | 11 | 281 | |
| Jan 23 | Mark Romery | 11 | 299 | |
| Jan 23 | Vincent Jay | 11 | 410 | |
| Jan 23 | Sam Roy | 11 | 335 | |
| Jan 23 | Diego Alvarez | 10 | 357 | |
| Jan 23 | Bogdan Titov | 11 | 372 | |
| Jan 23 | John Smith | 11 | 434 | |
| Jan 22 | Mark Romery | 10 | 308 | |
| Jan 22 | Vincent Jay | 11 | 359 | |
| Jan 22 | Sam Roy | 11 | 374 | |



View logs

View all current and past logs up to six months



Filter

Filter by date or driver



Violations

Monitor violations in real time

Tue Jan 24, 2017 01/24/2017

John Smith USA Property 70 hour / 8 day ✔ Certified ✔ No Violations

Log Form

| General | | | | |
|------------------------------|---------------------|--|----------------------------|------------|
| Driver | John Smith | | Co-Driver | |
| Driver ID | 35742 | | Co-Driver ID | |
| Driver Licence | DO00034685038246741 | | ELD S/N | JDI5774564 |
| Driver Licence State | CA | | ELD Malfunction Indicators | No |
| Exempt Driver Status | No | | Data Diagnostic Indicators | No |
| Unidentified Driving Records | No | | | |

| Vehicles & Trailers | | | | |
|---------------------|----------------|--------------------|---|---|
| VEHICLE | VIN | START END ODOMETER | DISTANCE | START END ENGINE HOURS |
| PT9393 | ADR34543F36DA6 | 39564 - 39844 | 420 mi | 758.2 - 765.7 |
| TRAILERS | SHIPPING DOCS | CARRIER | MAIN OFFICE | HOME TERMINAL |
| 2320 | 123456 | USA Trucking | 10921 Excelsior Blvd, Hopkins MN, 55343 | 10921 Excelsior Blvd, Hopkins MN, 55343 |

Log

Log Events

| TIME (PST) | EVENT/ STATUS | LOCATION | ODOMETER | ENGINE HOURS | ORIGIN | NOTES |
|------------|---------------|----------------------|----------|--------------|--------|-------|
| 0:00 | SB | 49 mi NNE Fallow, NV | 39564 | 758.2 | Driver | |
| 10:00 | Login | 49 mi NNE Fallow, NV | 39564 | 758.2 | Driver | |
| 10:00 | ODND | 49 mi NNE Fallow, NV | 39564 | 758.2 | Driver | |
| 10:50 | ODND | 49 mi NNE Fallow, NV | 39564 | 758.2 | Auto | |
| 12:00 | Driving | 2 mi E Fernley, NV | 39624 | 759.3 | Auto | |
| 13:00 | Intl Location | 3.5 mi SW Davis, CA | 39684 | 760.3 | Auto | |

Log Details

Log form and events



Log Form

Form and manner errors are displayed automatically.



Vehicles & Trailers

View vehicle & trailer information. Check shipping documents numbers.



Log Events

Check log events. Click on event to suggest an edit. Click “+” to suggest to add an event.



Log Date

Click on a calendar in the top right corner to change a date or click “<->” to switch between logs,