



Rethink your shop, keep your fleet healthy.

Reactive vehicle maintenance is a pricey, ongoing game of whack-a-mole. Something breaks, you fix it. Shift to a proactive approach. Modern maintenance solutions enhance existing preventative measures. Predictive maintenance goes further to prevent future issues and breakdowns. Healthier vehicles—and a shop that runs more smoothly.

Common sense states that a healthy operation runs on a healthy fleet. And the right technologies will optimize your fleet's overall health and breathe new longevity into your operation. Expect greater efficiency from driver to dispatch. Higher ROI on each vehicle. Dependability instead of downtime. Deeper integration for smoother maintenance workflows. Even fewer compliance violations through electronically verified inspections.



Boost operational efficiency

with faster processes, deeper workflow integrations and greater reliability.



Streamline processes

for fewer roadside breakdowns, compliance violations and out-of-service vehicles.



Predict and prevent breakdowns

before vehicles, drivers and passengers are stranded—especially in unsafe areas.

Make preventative maintenance milestones work for you.

Just like we need regular checkups, so do your fleet's vehicles. Each one requires certain preventative maintenance at certain milestones such as mileage. Use [telematics and GPS technologies](#) to remotely monitor and manage vehicle health and performance around the clock. Telematics tracks each vehicle's data and performance in near real time. And GPS tracks mileage and location, which is especially helpful during long-distance trips. The more you know, the better you can plan upcoming preventative maintenance.

Reactive preventative maintenance

Minimally effective

- Fixing vehicles that have broken down.
- Relies on drivers and operators to track miles.
- Tracking is prone to human error.
- No real-time insight.
- Inefficient, resulting in unnecessary downtime.
- Inability to plan ahead creates unnecessary disruption in the shop.
- More difficult to service vehicles on long trips.

Proactive preventative maintenance

Optimally effective

- Maintains vehicles before they break down.
- Authorized personnel remotely track mileage for real-time insight.
- Eliminate human errors in mileage tracking.
- Alert the right people of upcoming vehicle needs.
- Pre-plan shop activities for fewer disruptions.
- Direct long-haul vehicles to nearest authorized shop so service doesn't have to wait.

Proactive preventative maintenance requires the right smart fleet management and fleet health technologies. Choose a fleet management solution that features a [secure online portal](#) for monitoring and managing your entire fleet. Add a [predictive maintenance solution](#) that you can configure and use to set up alerts, then generate vehicle data reports from that solution through the online portal.

Predict the future, protect your bottom line.

Preventative maintenance is performed only so often and prevents only so many issues. *Predictive* maintenance, however, relies on historical data to spot trends, predict future issues, and prevent additional issues and downstream faults. As telematics technologies have evolved, so has predictive maintenance. When you can reasonably predict a future issue, you can prevent it—while the vehicle is already in the shop for another service.

- Prevent roadside breakdowns and service disruptions.
- Reduce frequency of towing fees, shop fees and vehicle substitutions.
- Save thousands in critical-issue repair costs.
- Consolidate shop visits for greater uptime.



Quickly calculate how much predictive maintenance would save your fleet.

No single solution has been available to predict downstream fault probability—until now. Look for a [single online, predictive maintenance platform](#) for monitoring fleet health, down to each vehicle's health and safety score. Choose one that has analyzed years of vehicle data and regularly updates its predictions as it collects more. Implement a solution that notifies you of defects, problems and issues that often lead to downstream faults. And that displays all makes and models in your fleet on a single dashboard.

Multi-fleet shops, be your customers' fleet health partner.

Not every fleet has the resources or desire to monitor, diagnose and manage fleet health. When you implement a single predictive maintenance platform so you can do that for them, you become essential to keeping their fleet moving at its best.

The better your insight into a fleet, the better you can serve that customer.

- Support vehicles of every make and model across multiple locations.
- Know when their vehicle is about to have an issue, before the driver and dispatch realize it.
- Notify them of upcoming milestones and schedule preventative maintenance ahead of time.
- Predict and prevent downstream faults for more uptime and fewer roadside breakdowns.
- Diagnose and clear critical issues, then prioritize the rest.
- Save them a shop visit by remotely monitoring and diagnosing issues.

Keep Cummins engines updated using a mobile device.

Engines running on the latest software simply run better. But taking a vehicle to the shop just for an engine update costs time and money—both of which are too valuable to waste. The [free Zonar OTAir™ mobile app](#) enables any authorized personnel to update a vehicle's Cummins engine anytime, anywhere—in as little as five minutes. If you authorize drivers, they can do so when it's convenient, like over a break. If you prefer to keep it in the hands of your own professionals, they can do so in the yard or designated location while the vehicle's parked.

Drivers can update the engine at a stop, over a break, day or night.

Fleet techs can update multiple engines, one after another.

No unnecessary person-to-person interactions.

No unnecessary travel, shop fees or technician fees.

Take a moment to calculate [how much Zonar OTAir can save](#) your fleet. Whomever you choose to authorize can update the engine without unnecessary in-person contact or costs. No one has to physically visit a shop. The updates are free, the mobile app is free, and the vehicle's Cummins engine stays updated with the latest software.

Integrate inspections and maintenance workflows for a smoother process.

A predictive maintenance platform won't detect defects not tied to vehicle's ECU; defects such as a cracked windshield that can still earn a CSA violation. [Electronically verified vehicle inspections](#) will. Integrating maintenance workflows with required inspection reporting streamlines the process, saves everyone's time, and ensures repairs are requested and prioritized as quickly as possible.

Reduce the number of steps, raise the level of efficiency.

Integrating electronic inspections with your maintenance workflows minimizes the number of steps needed to submit work orders. Seamless digital integration also mitigates the risk of human errors and eliminates the need to digitize paperwork that's already filled out.

Most importantly, your shop can more efficiently plan activities for minimal disruption. Vehicles are also repaired faster and more efficiently.

1. Defect is detected and noted in the electronic inspection report.
2. Report is sent to the office as soon as driver or operator submits it using their tablet.
3. A work order or pre-ticket is electronically generated.
4. The shop reviews, prioritizes and schedules the repair.

No paperwork. No guesswork. Just one seamless, digital workflow.

Making better use of everyone's time puts vehicles back on the road faster. As a built-in efficiency, digital inspection results integrated with maintenance workflows are easier to organize, standardize and train on.

Drivers no longer need to manually key in the work order. **Maintenance professionals** no longer need to plug in to the vehicle's ECU, download codes and decipher what's wrong. Issues are brought to their attention, and they can then add the issue to the preventative maintenance order for when the vehicle is brought in next.

Refocus your team's time from administrative tasks to prioritizing and performing repairs. And automate communications when work orders and repairs are complete.

Multi-fleet shops, offer greater service.

Keep your customers' vehicles compliant with regulations. Upgrade to electronically verified inspections and integrate them with your maintenance workflow for faster, more reliable white glove service.

- Receive digital images of defects and issues that fleet health solutions may not include.
- Identify physical defects and issues that could result in a violation during a roadside inspection, but which can't be detected by the predictive maintenance platform.
- Coordinate with your customer to prioritize repairs.
- Help the customer maintain a safe, compliant fleet with an above-and-beyond approach to proactive fleet health.

[Authorize non-technical people to support maintenance initiatives.](#)

Personnel outside of your maintenance and technician talent pool can help keep your fleet running smoothly. The shop professionals still prioritize the work. But non-technical personnel can monitor, track and help coordinate preventative and predictive maintenance to lighten the load.

Picture it: A driver is about to leave the yard. But a sharp-eyed, non-technical team member sees that the vehicle is on the verge of a critical fault. Instead of letting it head out only to break down on the side of the road, that team member alerts the right person to contact the driver to turn around. Time and money saved on the spot.

Equip non-technical people with the right tools to lighten the shop's load.

- Monitor vehicle performance and overall health.
- Easily decode fault codes using the right solution and expert recommendations.
- Coordinate preventative maintenance based on upcoming vehicle milestones.
- Communicate active faults to drivers and operators to prevent impending breakdowns.
- Easily monitor and manage vehicle health for multiple fleets and customers.
- Identify critical issues before the driver is aware there's a problem.
- Locate nearby authorized service centers for deployed vehicles in urgent need of service.
- Be alerted when a fault can trigger on an asset.

Choose a smart fleet management solution that features a [secure online portal](#) that centralizes overall fleet information, vehicle data and location, driver performance, fuel analytics, and that can run your fleet reports. And choose a [fleet health solution](#) that consolidates vehicle health information onto a single, user-friendly online dashboard. Ideally, you'll also choose one that clearly decodes fault codes and offer easy-to-understand recommendations from experts.

Equipping non-technical people with the right tools means you can shift certain tasks for a more efficient use of your personnel. And that means more people to proactively maintain your fleet.

[Rethink your shop to drive healthier, faster operations.](#)

Whatever your shop looks like now, you still have time to shift gears and adjust to keep up with increasing demands. That means implementing the right smart fleet management and fleet health solutions to take control of proactive maintenance and efficiency measures. Rethink your shop to take better care of each vehicle, and each vehicle will take better care of your operation.

About Zonar

Founded in 2001, Zonar has pioneered smart fleet management solutions throughout vocational, pupil, mass transit, and commercial trucking industries. Zonar helps fleets of all sizes maximize the use of their assets with solutions dedicated to improving compliance, efficiency, maintenance, ridership visibility, safety, and tracking. Cloud-based services with open APIs drive Zonar's smart fleet solutions by making it easy for fleet owners and managers to stay connected to their fleets and drivers and operators to dispatch. Headquartered in Seattle and owned by technology company Continental, Zonar also has a Technology Development Center in downtown Seattle, a regional office in Cincinnati, and a distribution center in West Chicago.

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