

State of fleet management software 2023 report

Thirteen leading companies were interviewed, offering unique perspectives on the current state, challenges, trends, and the impact of global crises on the fleet management industry.

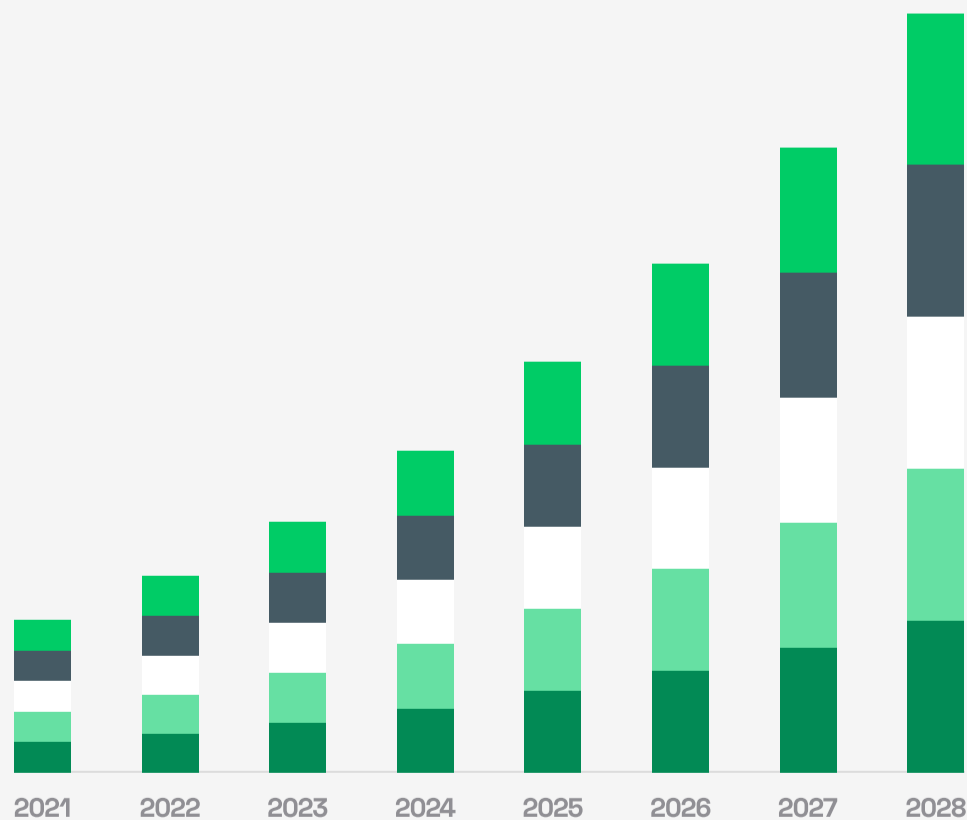


Market overview

Fleet management solutions sector amounted to roughly \$24.48 billion in 2023. Projections suggest an impressive ascent to approximately \$52.36 billion by 2028, driven by technological advancements and escalating transportation requirements.

Global fleet management is expected to account for **USD 52.36 Billion** by **2028**

by [Data Bridget Market Research](#)



■ North America
 ■ Europe
 ■ Asia Pacific
 ■ South America
 ■ Middle East and Africa

Goal of the survey

The goal of the **"State of fleet management software 2023 report"** is to provide a comprehensive analysis of the current state, challenges, trends, and impact of global crises on the industry, offering valuable insights for businesses and professionals in the fleet management software sector.



Report and survey workgroup

We've conducted interviews with **13 companies**, of which 4 have chosen to remain anonymous.



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CEO AT [FLEETPAL](#)



Interview results

C-level executives and marketing specialists provide valuable insights into the fleet management market, sharing their vision and exclusive data on fleet management-related technologies, industry trends, and challenges.

These are the results we've got after the interviews:

Tech stack in use

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**Most popular
third-party API or services**

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**Challenges with fleet
management software**

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Artificial intelligence

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Machine learning

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**Tech trends for the next few
years**

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Industry trends

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Affect of global crisis

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Tech stack in use

Frontend



Backend



Databases



Infrastructure

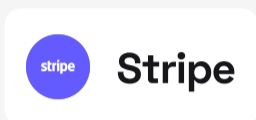


Mobile



Most popular third-party API or services

Payments



Analytics



Search



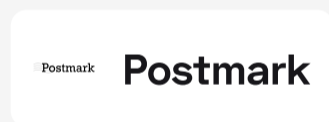
Fuel cards



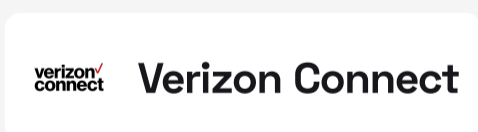
Maps



Mailing system, SMS



GPS fleet tracking software



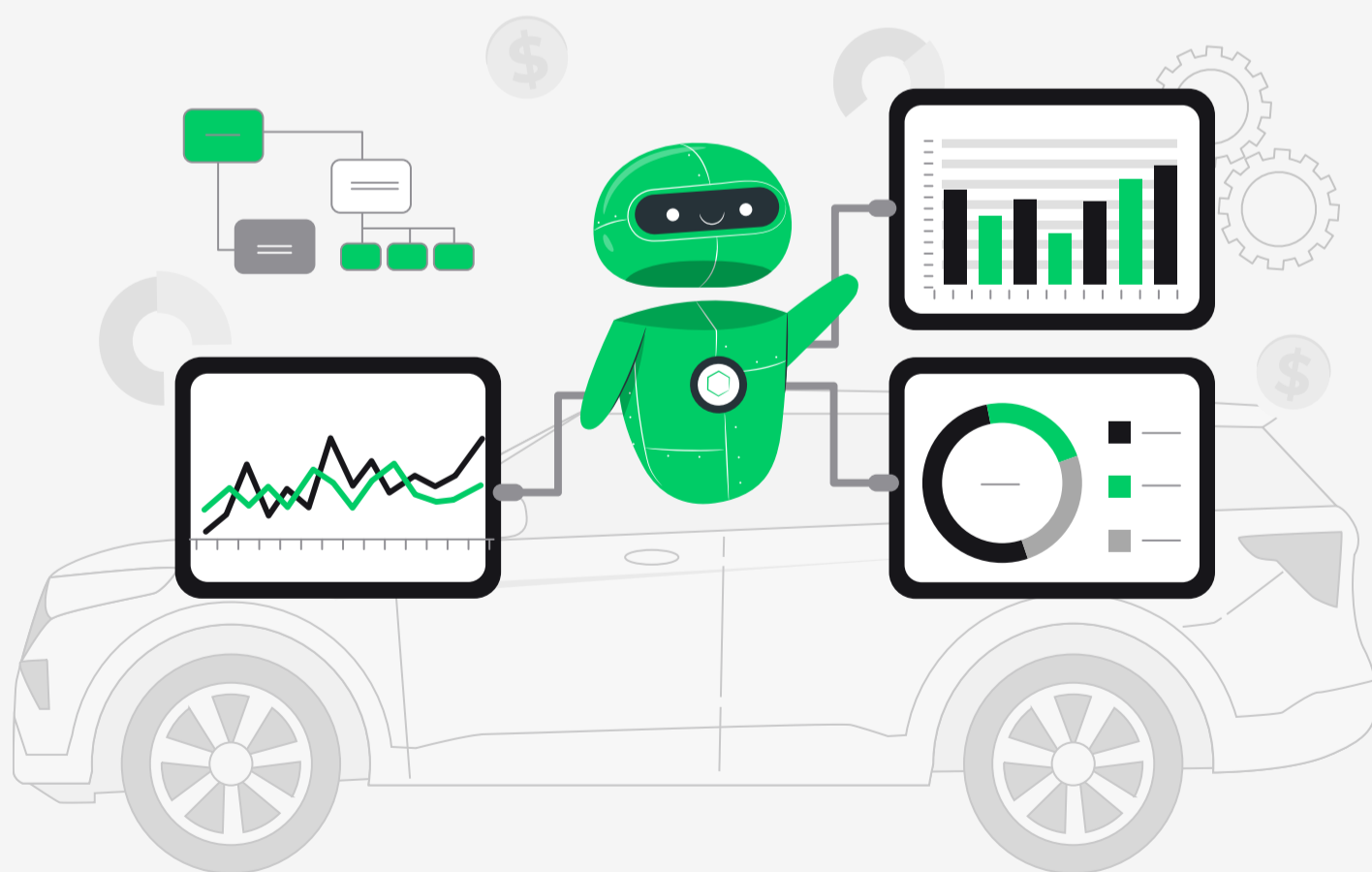
Telematics service providers



Challenges with fleet management software

The biggest tech challenges with fleet management software:

- 01 Data integrations of other systems and hardware
- 02 Overall resistance or low adoption rate of digital solutions
- 03 Adapting older solutions to be scalable and flexible



Artificial intelligence

Artificial intelligence has rapidly gained momentum, with 9 out of 13 companies already utilizing or researching its integration to enhance their business operations.

■ 4 out of 13 companies have already used AI

■ 5 out of 13 companies are researching AI to find how it can enhance their business

■ All 12 out of 13 companies are planning to work with AI in 2024

Most popular usages of artificial intelligence:



01 Driver behaviour monitoring and safety

02 Workflow automation

Machine learning

Similar to AI, **machine learning** is also trending, as it gains rapid momentum with 9 out of 13 companies already employing or exploring its integration to enhance their business operations.

- 6 out of 13 companies already use ML

- 3 out of 13 companies are researching this technology

- All 12 out of 13 companies are planning to work with ML in 2024

Most popular usages of machine learning:



01 Predictive maintenance

02 Demand prediction

03 Route optimization

Tech trends

Thought leaders predict the **following trends** for the next 3 years:

01 Use of AI

02 More operations automation

03 Vehicles electrification

04 Increase use of telematic devices & unification of databases as a result



Industry trends

Alongside tech trends, companies' management shared their insights regarding **industry trends**. The most popular trends are listed below:

01 Business operations change
(e.g., operations optimization, business diversification)

02 Businesses consolidation

03 Integration of the sustainability concept



Affect of global crisis

Despite supply chain issues, most companies **experienced growth** during the years 2021 to 2023.

- 01 Companies' increase (e.g. team growth, revenue growth)

- 02 Financial problems (e.g. budget cut down, fundraising challenges)

- 03 Supply chain issues



Outsource vs in-house vs hybrid

We inquired about companies' team structures and found that 23% choose to outsource, 31% prefer in-house teams, and 46% opt for a hybrid approach.

The diversity in choices is primarily attributed to varying needs for specialized skills, cost-efficiency, and the flexibility offered by hybrid models, allowing companies to tailor their teams according to specific project requirements.

23%

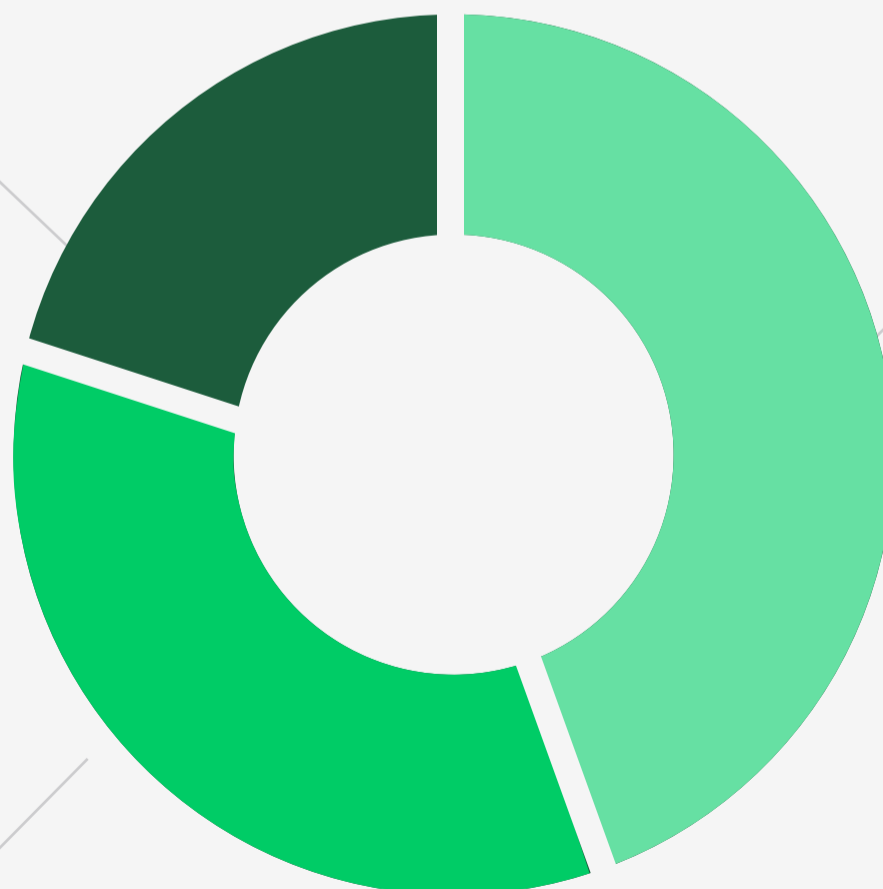
outsource

46%

hybrid

31%

in-house



Challenges to scaling the dev team

Scaling a development team comes with its own set of difficulties, including finding people who are compatible with both your technology and team environment. Companies commonly highlight these specific issues:

- 01 Finance challenge (hard to find affordable \$/h; ratio of price/quality)

- 02 Difficulties with onboarding newcomers

- 03 Limited pool of talents



About Volpis

Volpis is a company of ambitious professionals providing web & mobile app design and development services for **more than 7 years**. Being a full-service company, we provide expertise in all phases of the software development life cycle. We've successfully covered more than 100 products all over the world.



Clutch Customer satisfaction rate



Projects from referrals

35+

In-house talents

50+

Completed projects

5 Years

Experience in the fleet management industry

2016

Operating since

Our services

Services we provide for **fleet management industry**:

Mobile app development



Our experts develop secure and high-performing mobile applications for iOS and android devices, utilizing native tech stack to ensure seamless functionality and scalability across phones, tablets and smartwatches.

Web development



We provide comprehensive web app development services, encompassing frontend expertise for seamless user experiences and backend proficiency for secure, scalable solutions.

Business analysis



Our business analysis service entails in-depth audience analysis, strategic feature prioritization, and comprehensive requirement gathering to ensure the development of a highly tailored and effective software solution.

UI/UX design



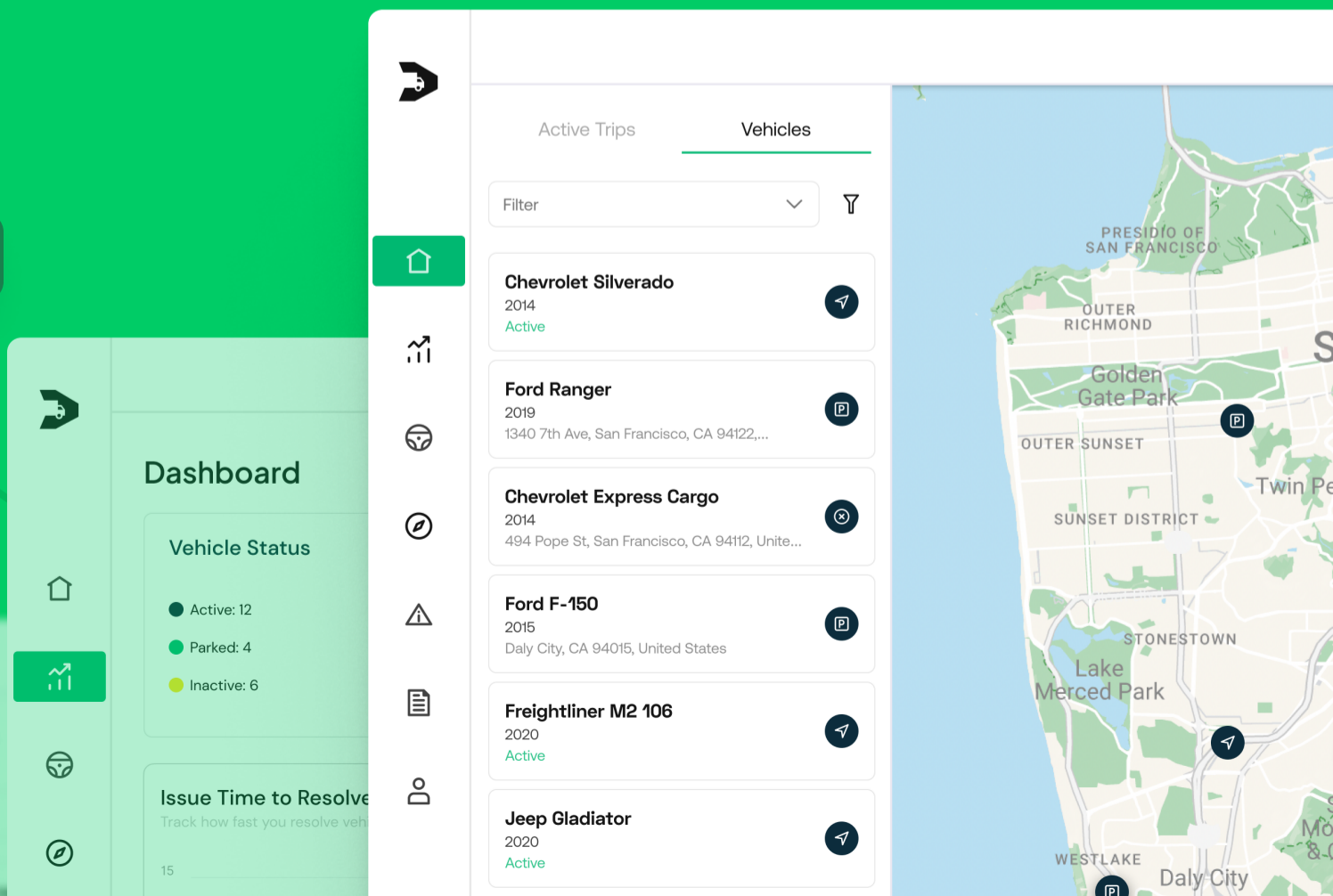
UX/UI design service crafts user-centric and visually captivating digital experiences through research, strategic concept development, meticulous prototyping, elegant visual design, and rigorous usability analysis.

Ready to discuss your project?

Let's schedule a call

Schedule a free consultation →

22 miles



The screenshot displays the Volpis dashboard interface. On the left, a sidebar contains navigation icons for home, dashboard, and vehicle management. The main content area is divided into two sections: 'Active Trips' and 'Vehicles'. The 'Vehicles' section is currently selected and shows a list of vehicles with their status and location. A map on the right side of the dashboard shows the location of the vehicles in the San Francisco area.

Vehicle Model	Year	Status	Location
Chevrolet Silverado	2014	Active	1340 7th Ave, San Francisco, CA 94122,...
Ford Ranger	2019	Parked	1340 7th Ave, San Francisco, CA 94122,...
Chevrolet Express Cargo	2014	Inactive	494 Pope St, San Francisco, CA 94112, Unite...
Ford F-150	2015	Parked	Daly City, CA 94015, United States
Freightliner M2 106	2020	Active	
Jeep Gladiator	2020	Active	