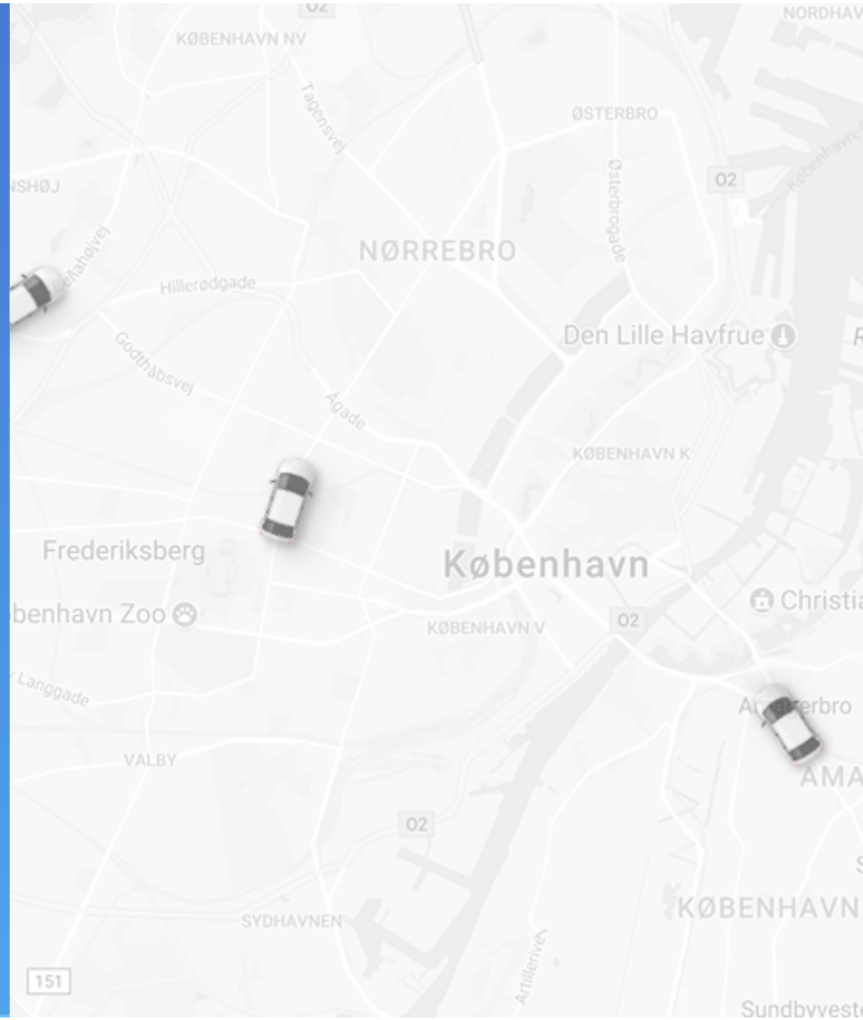
connected cars

Product presentation

Whats in it for the Customer, Dealer, Importer and manufacturer



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Products

Connected Cars Telematics device

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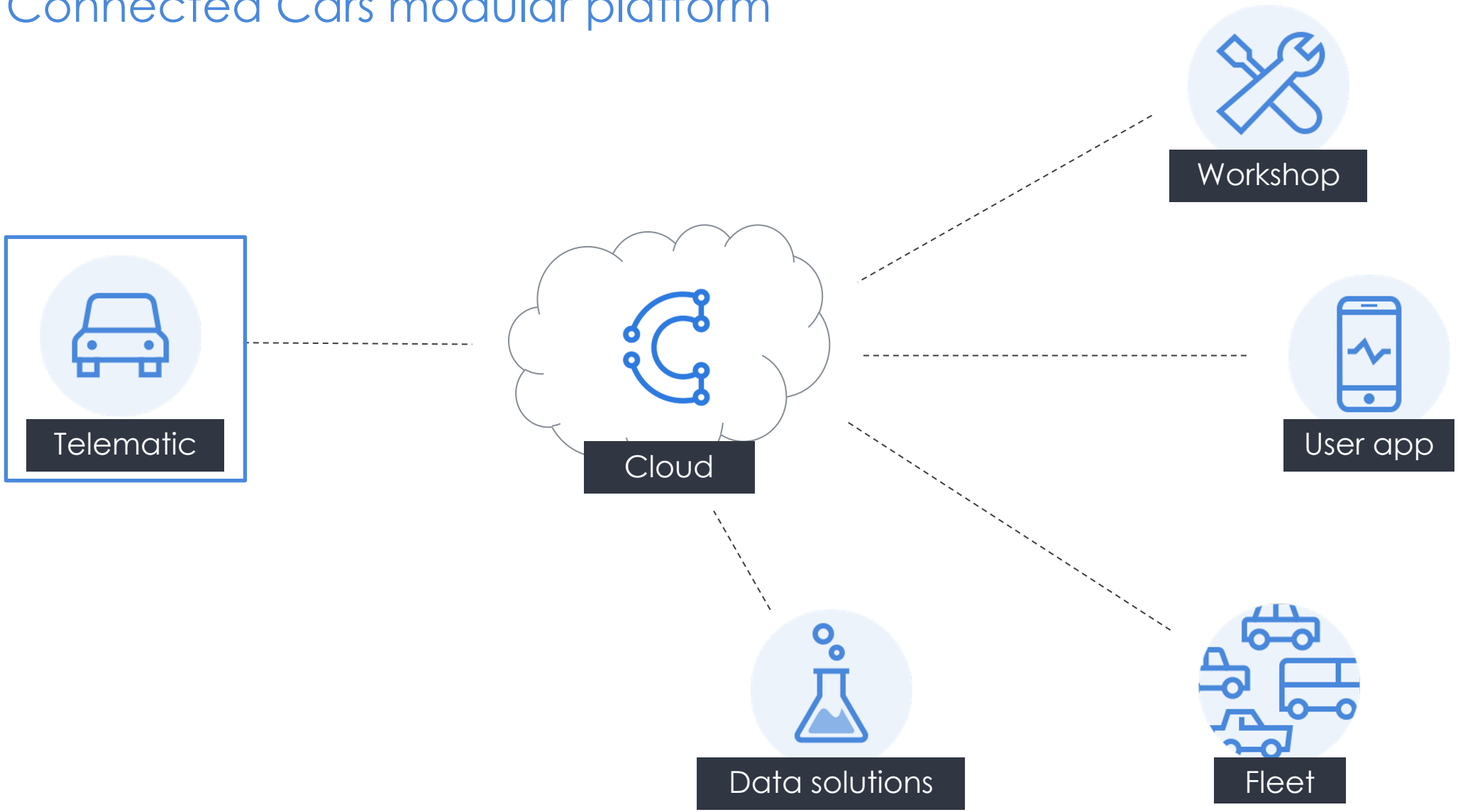
Connected Cars modular platform



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Data sources

Usage

- Ignition
- Fuel
- Collision

Car

- Vin
- Make, model, year
- PR codes

Trips

- Position
- Speed
- Heading

Technical

- DTC Codes
- Odometer
- Service
- Oil

Handling

- Turns
- Breaking
- Acceleration
- RPM
- Idle time

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Connected Cars Telematics device
- Main advantages

Built specifically for VAG	→ Delivers deep technical data
SIM card / Connected to GSM/LTE network	→ Always deliver data
5-minute installation	→ Perfect for retrofitting
Hidden behind the dashboard	→ Stays in the car for its lifetime

General on Telematics Device and Connected Cars:

"Our hardware have some great capabilities and enables us to extract valuable deep dive data from the vehicles to the benefit of the user and workshop.

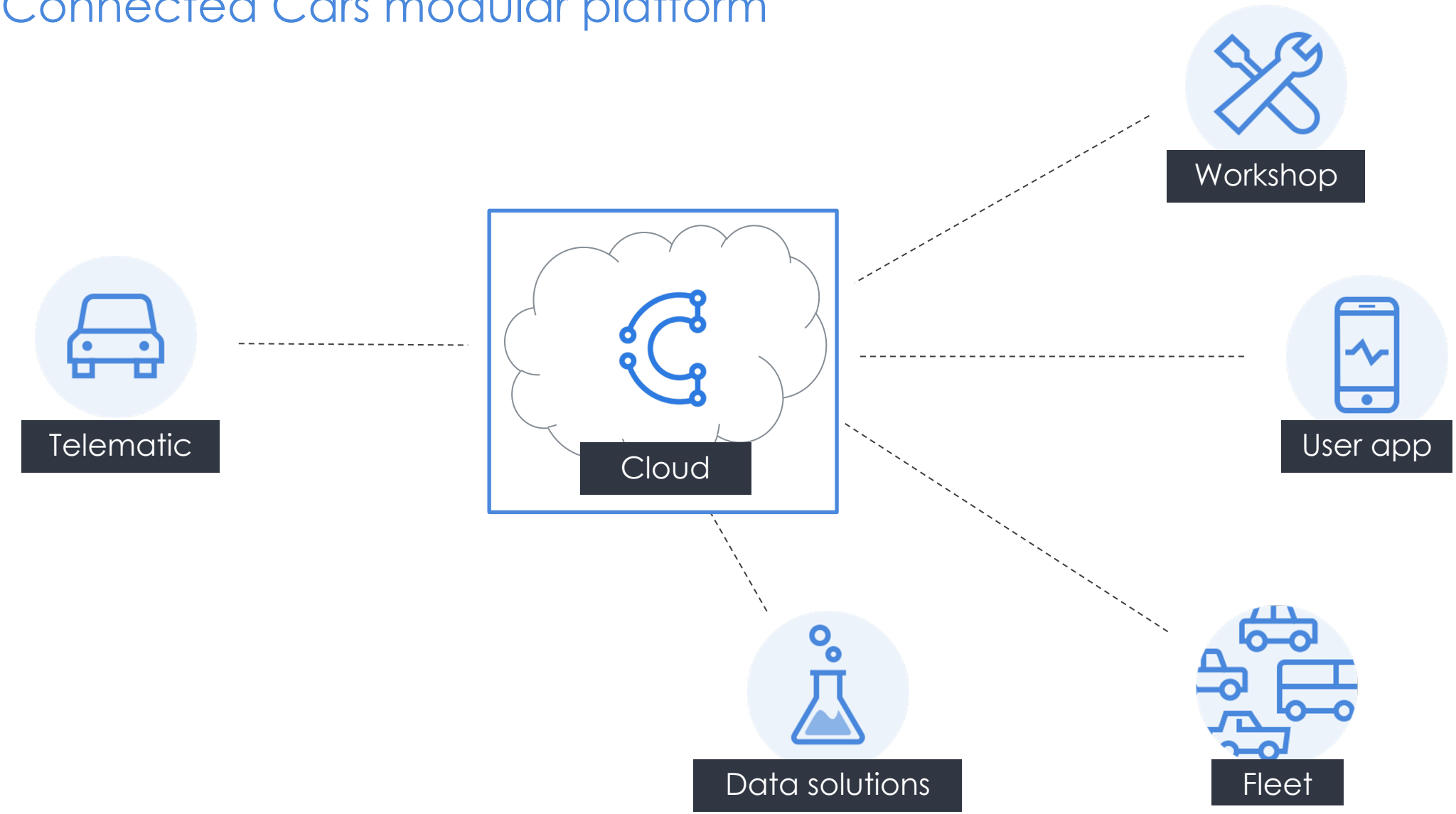
The Hardware isn't better then the FW and configurations that are installed on the device. Our hardware device is developed especially to VAG and so is our FW and configurations. That means, we have built a scalable setup that are capable of extracting deep technical data from VAG vehicles. Including deep maintenance data, deep error codes, warning lamps, fuel level and consumption, driving behaviour, battery level etc.

Furthermore, our device management system enables us to expand the data coverage, frequency etc. if specific use cases arises.

Products

Connected Cars cloud and Device Management System

Connected Cars modular platform



Connected Cars Cloud

- Main advantages

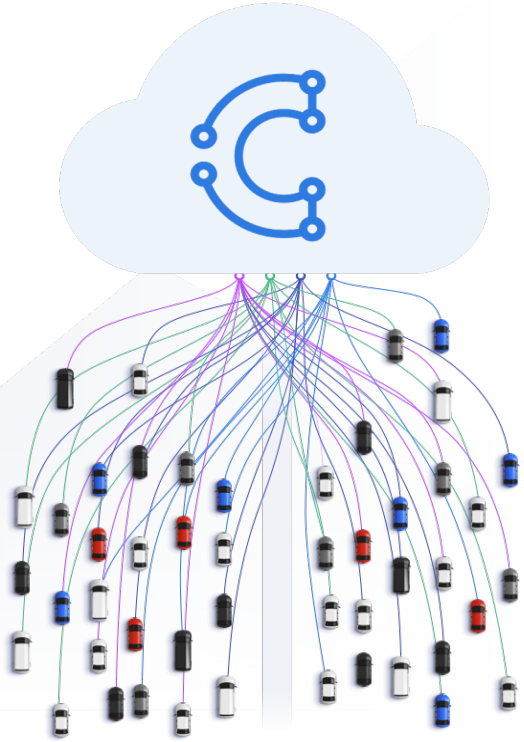
Scalable	→ Capable of handling real-time data from millions of cars
Flexible	→ Capable of handling various data inputs, real-time
	→ Currently running on Google Cloud, can be hosted on AWS or Azure as needed
Secure and compliant	→ End to end encryption and SSO logins
	→ GDPR compliant and comprehensive consent management system
Documented	→ Open APIs for integrations

General on platform and Connected Cars:

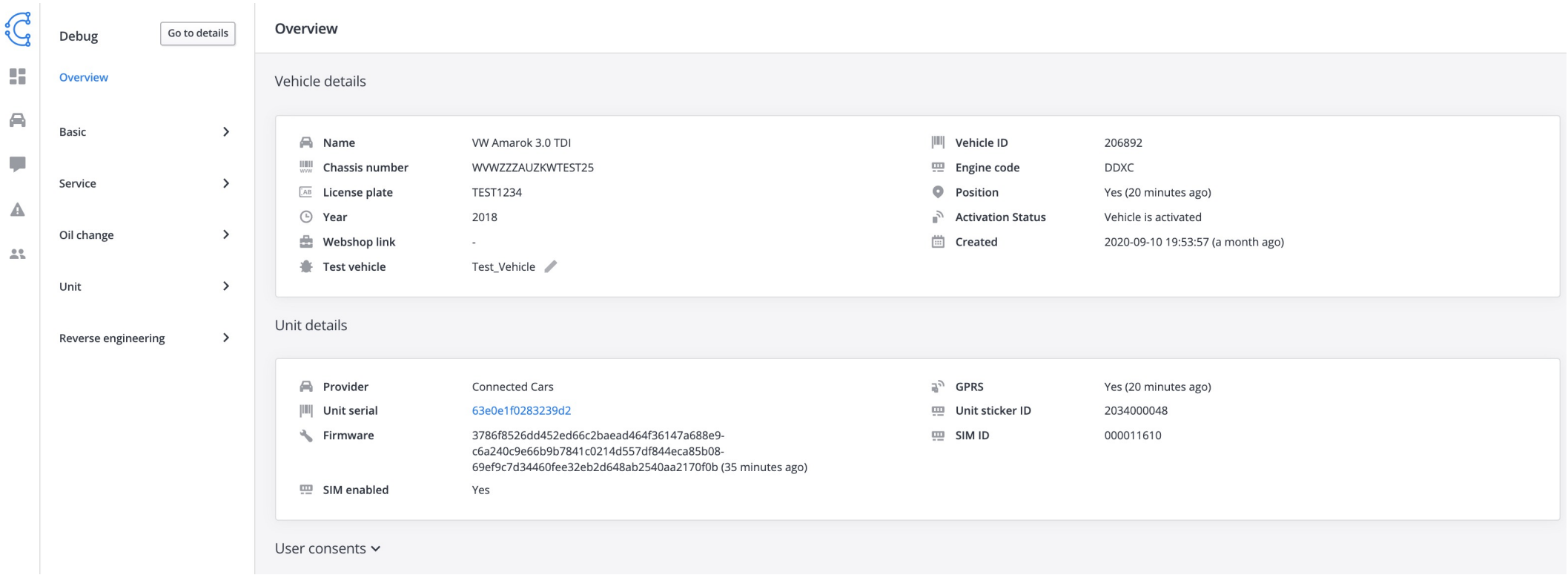
Every importer, dealer and user has different requirements, needs and expectations.
The Connected Cars Cloud and device management system is built to be flexible so it can easily be customized to local and specific users needs. This includes local GDPR regulations, needs for integrations to DMS systems etc.

The Connected Cars cloud is built with an open approach which allows the importer to get access to all data collected on their customers so it can be used to different purposes outside the Connected Cars environment. For example to drive custom marketing campaigns in Salesforce, calculate dynamic service- or leasing agreements etc.

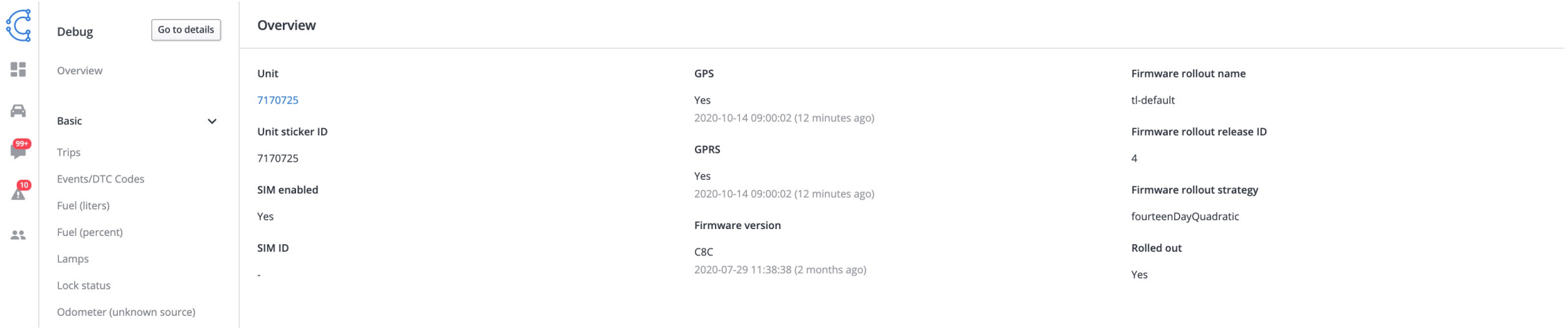
But the telematics cloud is just an enabler, that makes the value creation possible. Going forward many cars will be equipped with hardware from the factory, and the Connected Cars cloud is made to work with data from many different data sources."

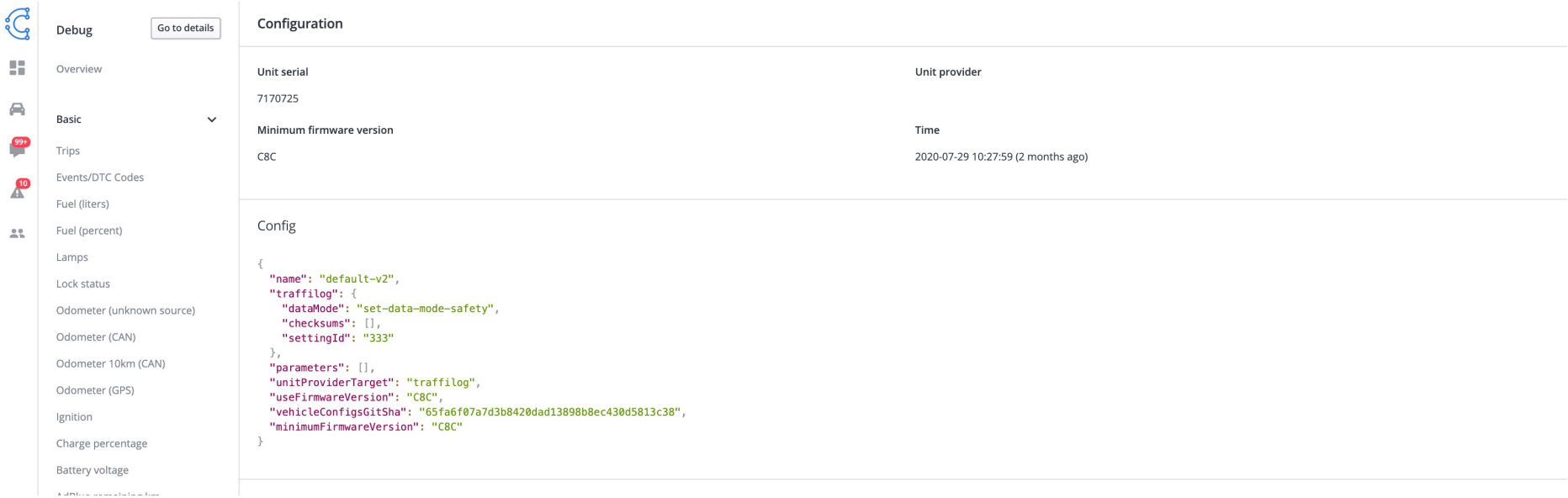


Screenshot: Device Management System – FW and configurations (Admin tool)

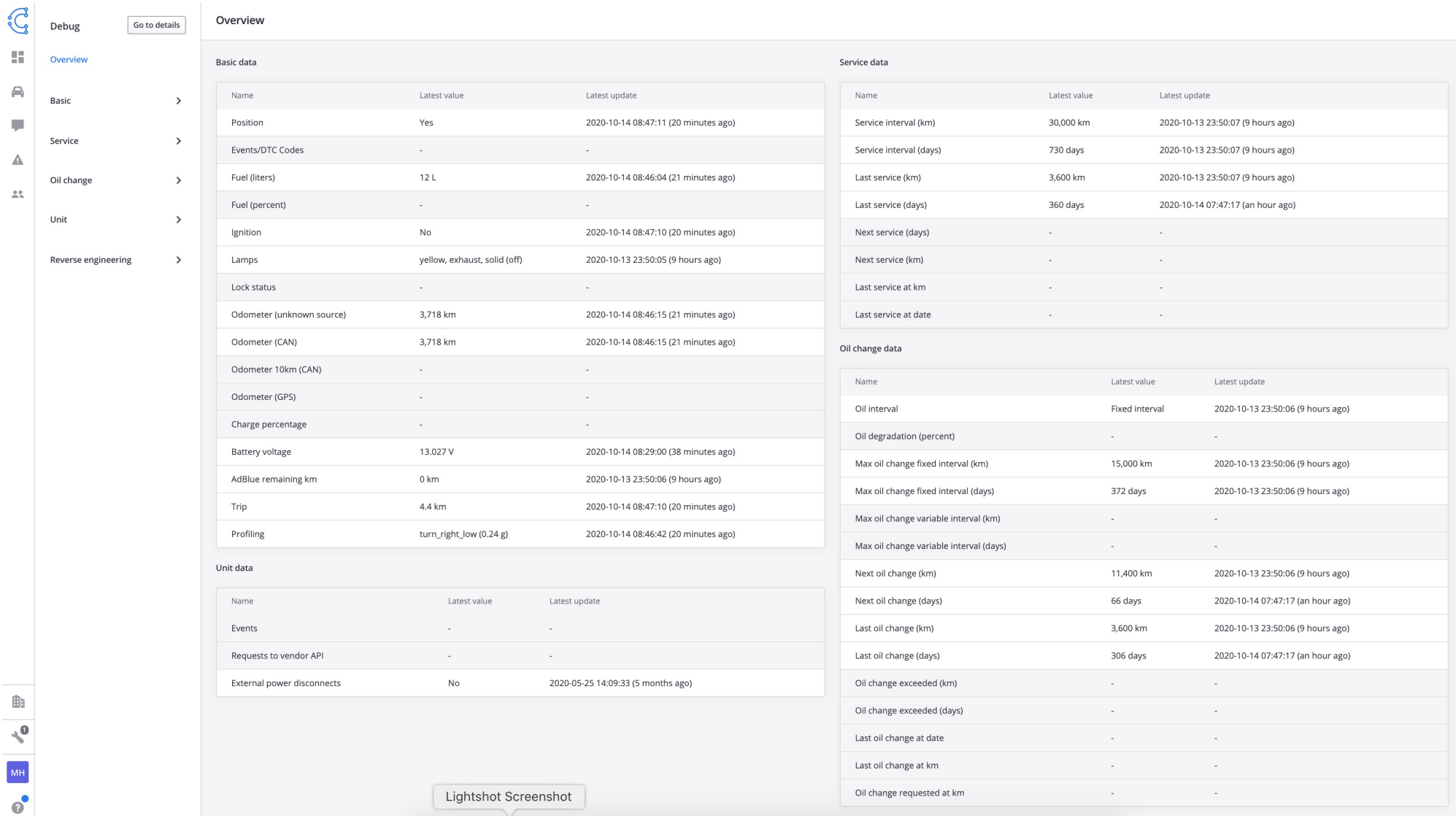


Screenshot: Device Management System – FW and configurations (Admin tool)

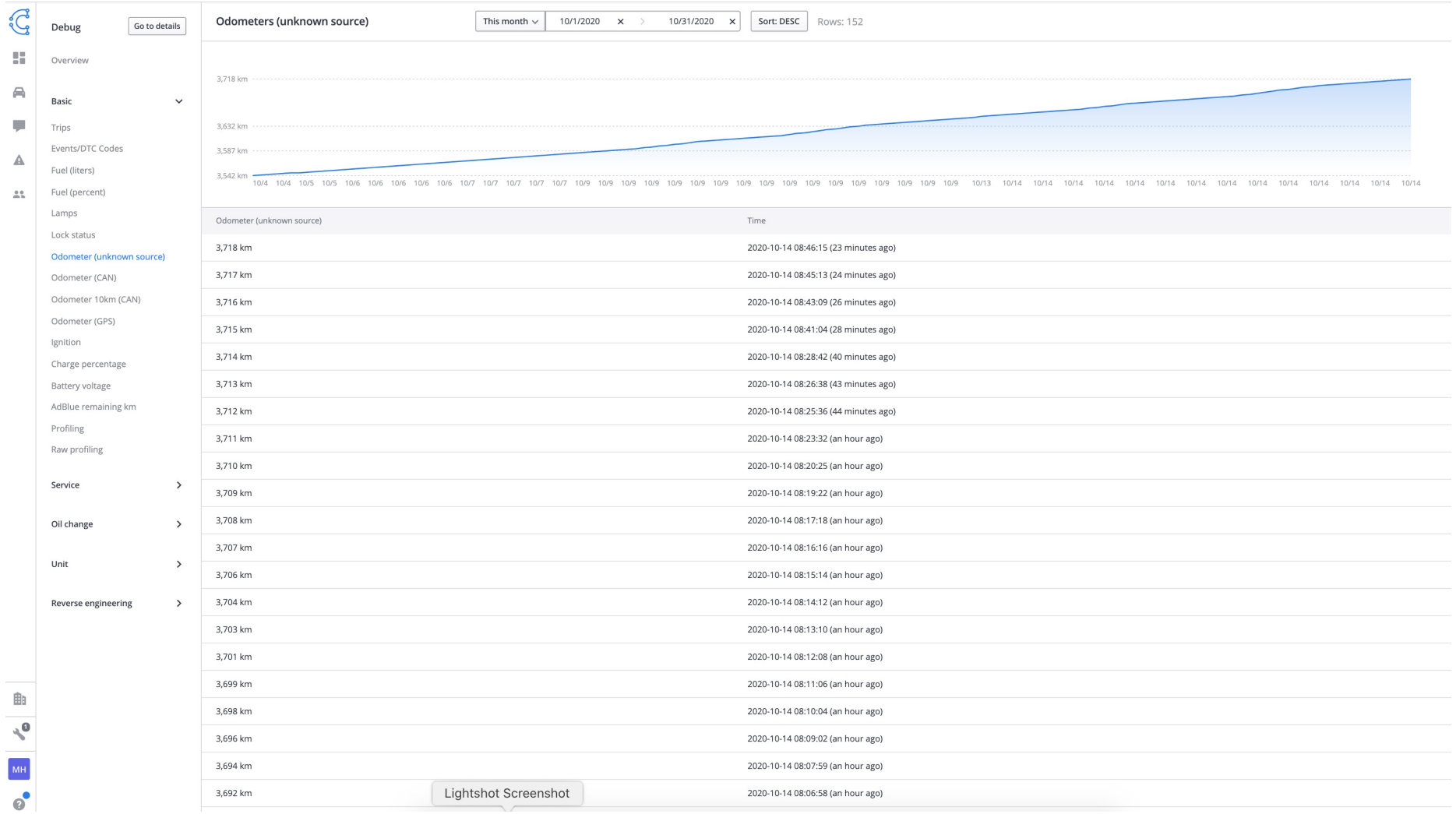




Screenshot: Device Management System – Maintenance data overview (Admin tool)



Screenshot: Device Management System – Deep dive into a specific data point (Admin tool)



Products

Connected Cars Workshop

For the workshops / dealers, Importers and OEM

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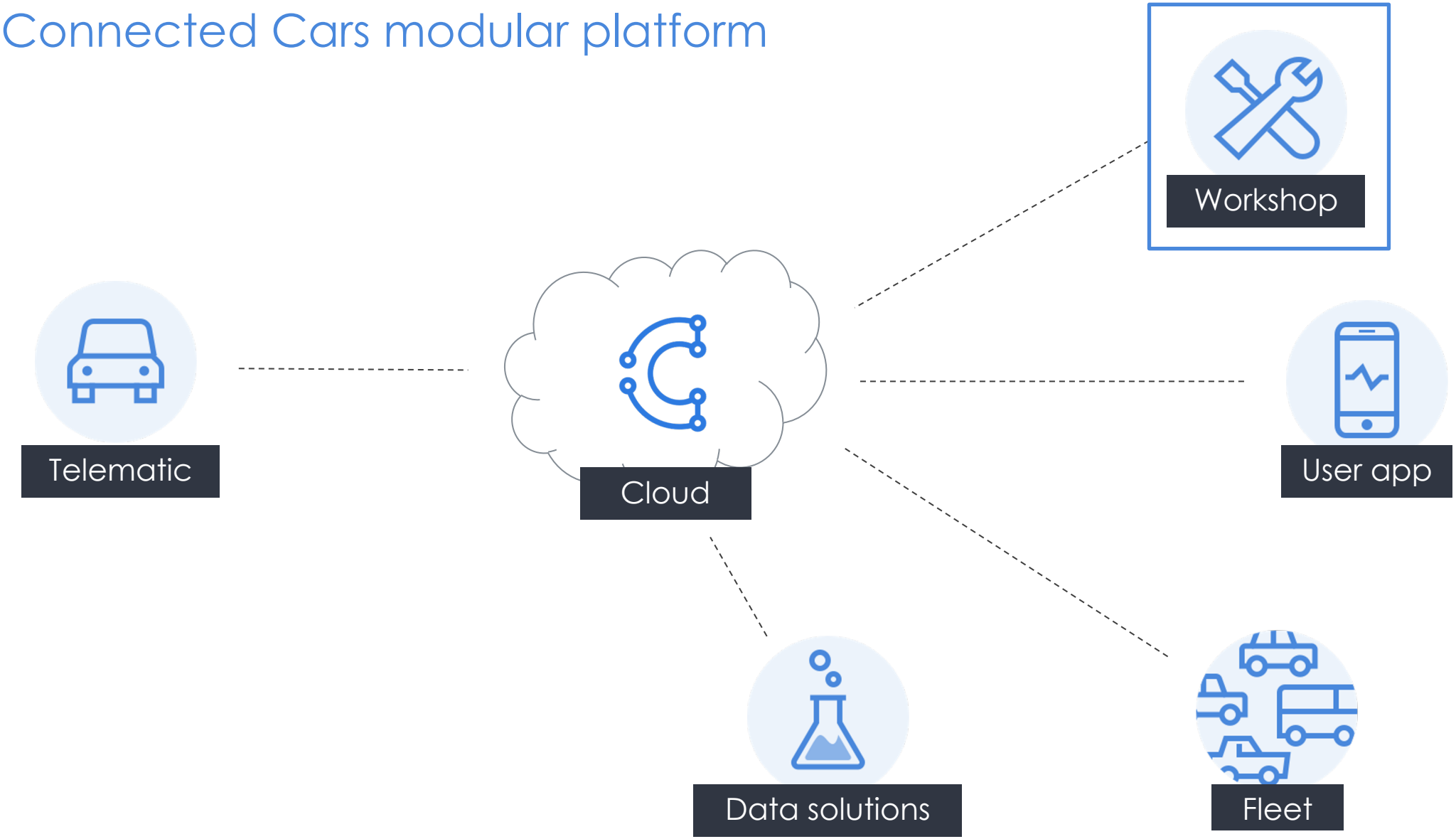
Connected Cars modular platform



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Connected Cars Workshop tool
- Main advantages

Intuitive lead overview

Collection of marketing consents

Live status of all customers

Easy chat with customers

Integration to existing systems

Proven and solid business case

→ Get an easy overview of what you need to handle and when

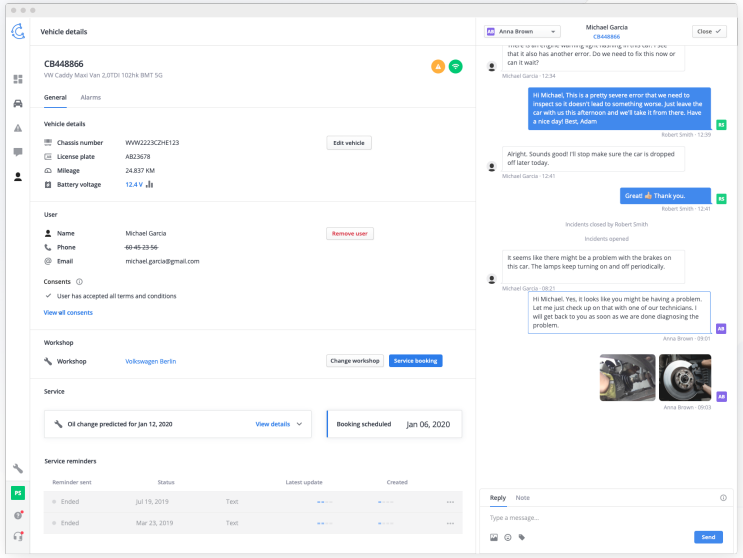
→ Get valuable marketing consents from all customers

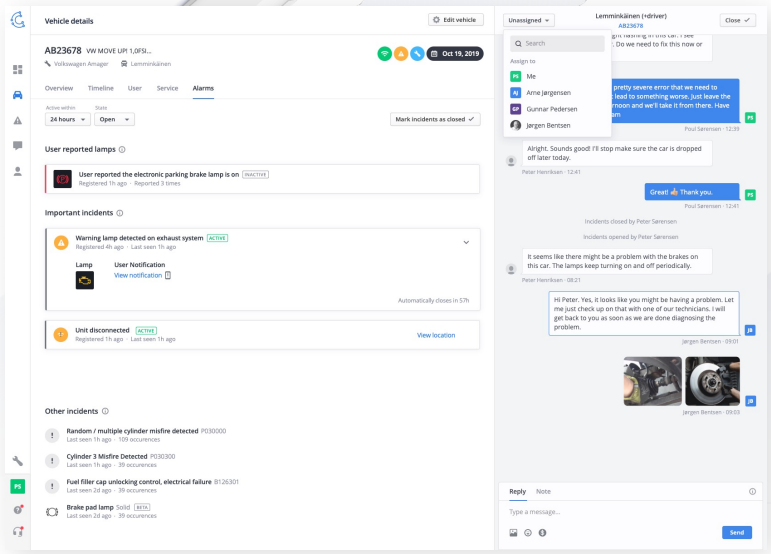
→ See a unique live status on all customers vehicles

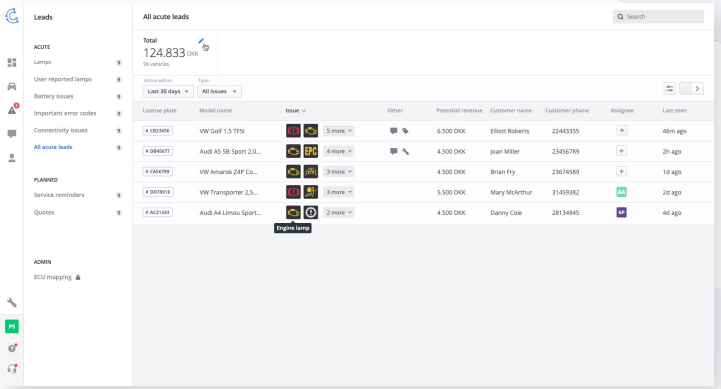
→ Save time and money by moving customer dialogues to chat

→ Automates the experience even more

→ Connected Cars Workshop tool helps dealers to significantly increase customer satisfaction and aftermarket revenue

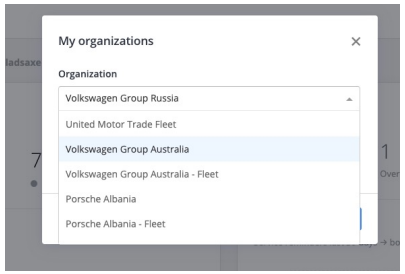




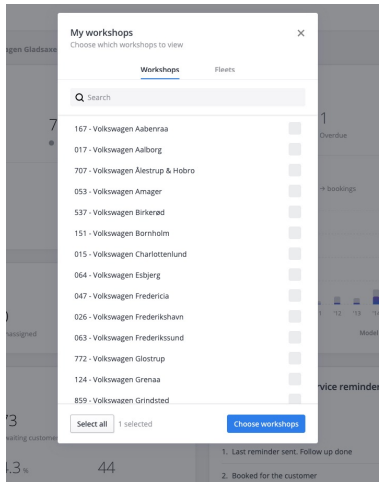


Screenshot: Workshop dashboard

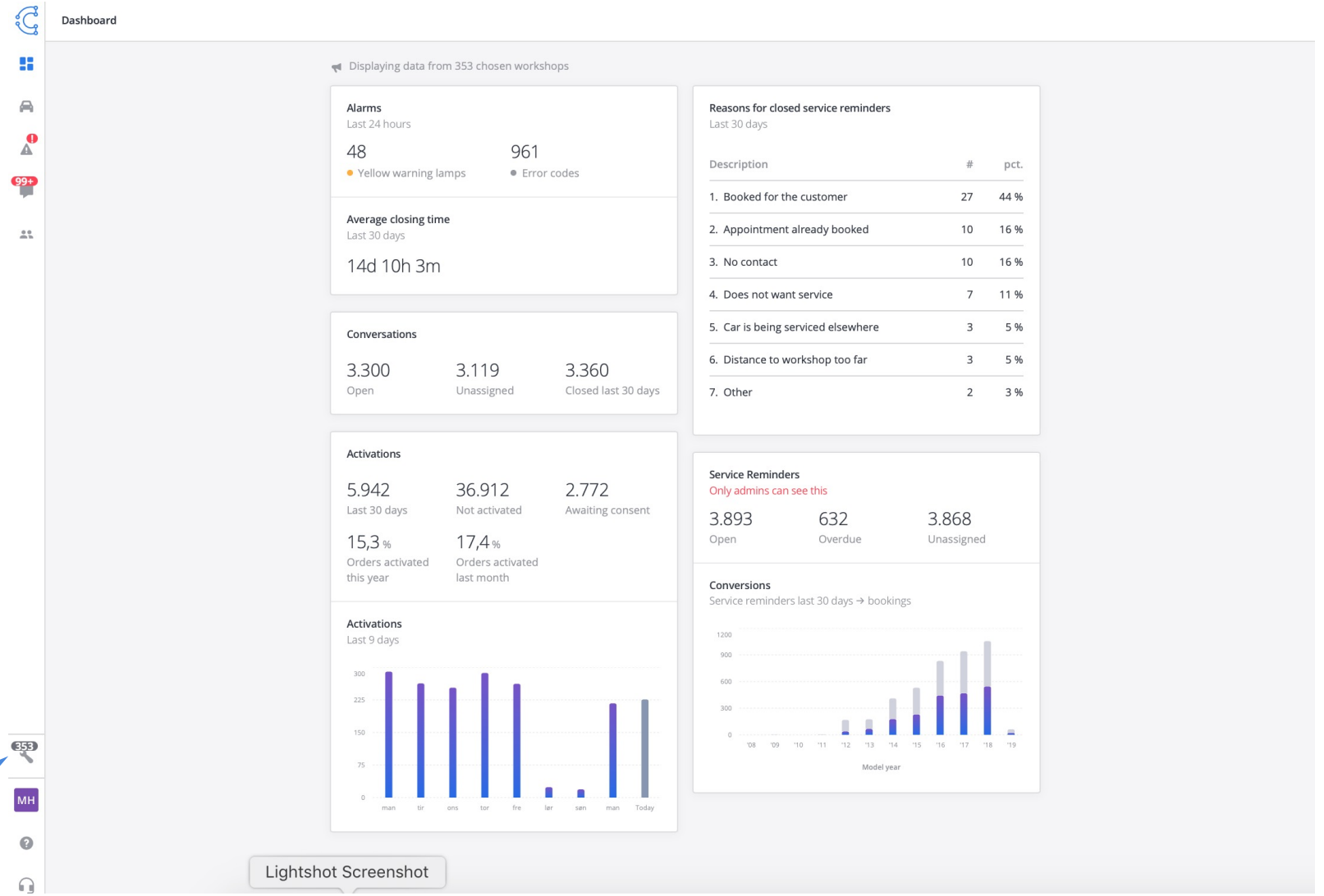
Select the importer you want to look at:



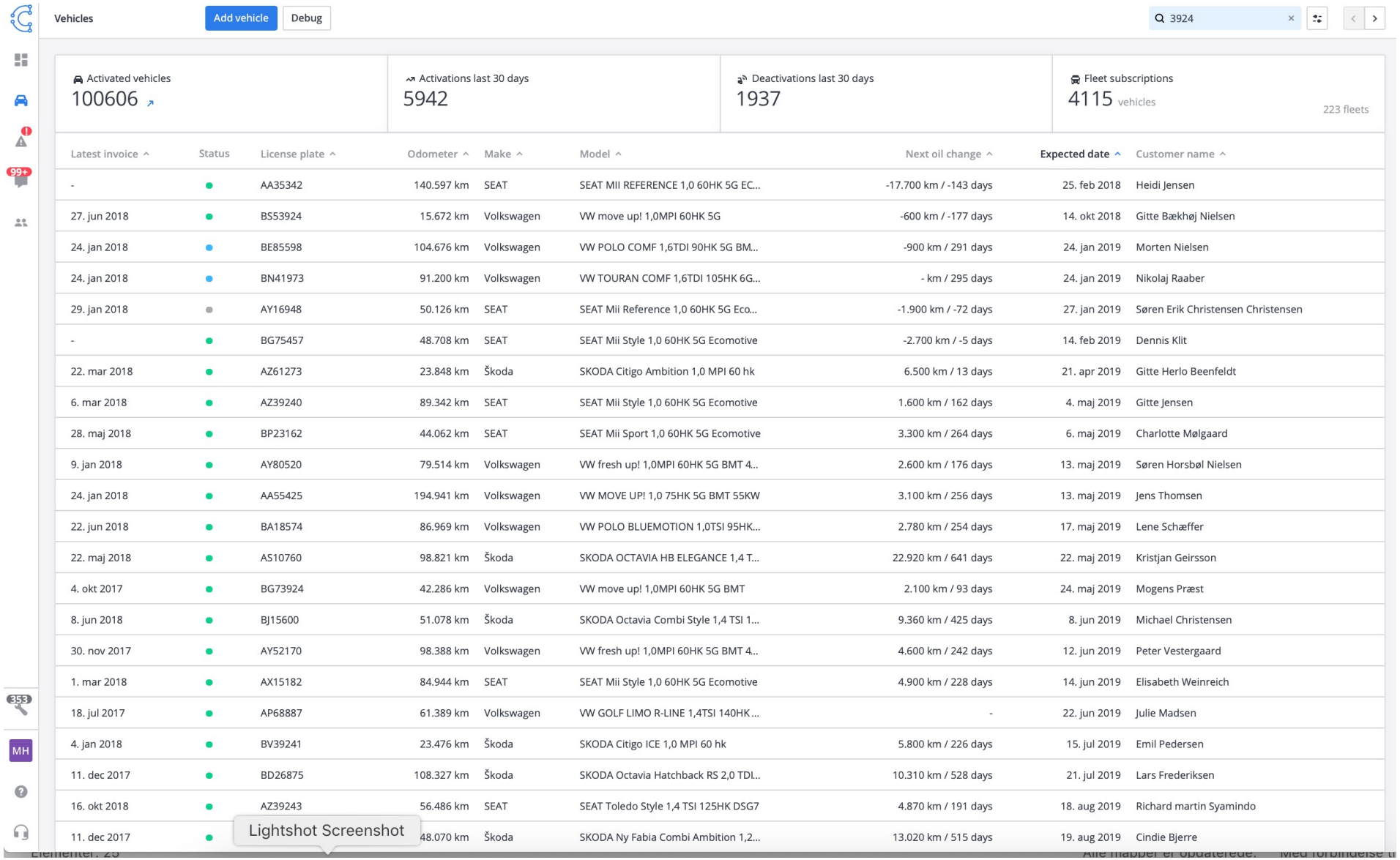
Select the dealers you want to look at:



As an importer or OEM you can choose which workshop, dealer groups, or importers you want to look at:

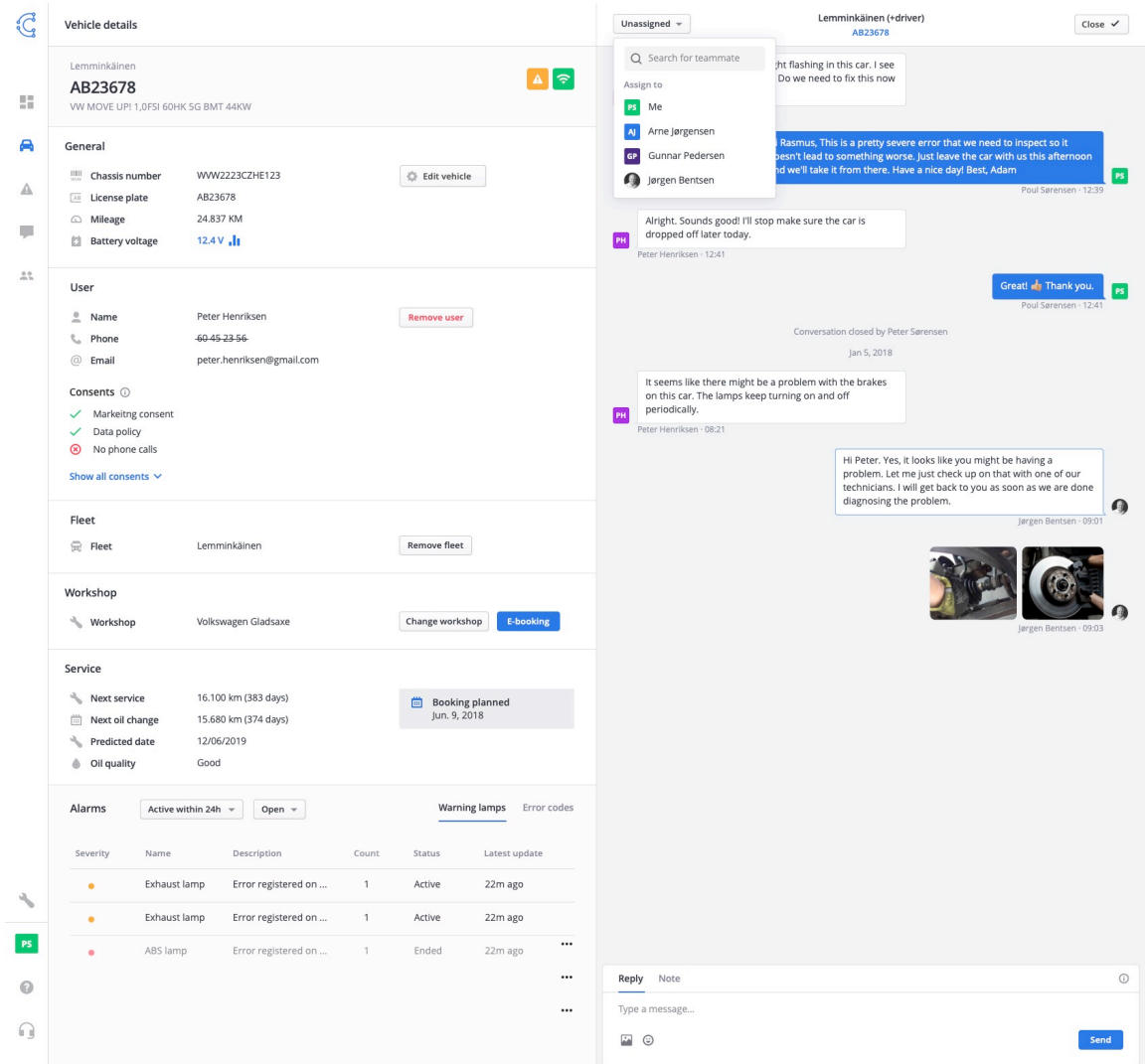


Screenshot: Vehicle overview



Latest invoice	Status	License plate	Odometer	Make	Model	Next oil change	Expected date	Customer name
-		AA35342	140.597 km	SEAT	SEAT MII REFERENCE 1,0 60HK 5G EC...	-17.700 km / -143 days	25. feb 2018	Heidi Jensen
27. jun 2018		BS53924	15.672 km	Volkswagen	VW move up! 1,0MPI 60HK 5G	-600 km / -177 days	14. okt 2018	Gitte Bækhøj Nielsen
24. jan 2018		BE85598	104.676 km	Volkswagen	VW POLO COMF 1,6TDI 90HK 5G BM...	-900 km / 291 days	24. jan 2019	Morten Nielsen
24. jan 2018		BN41973	91.200 km	Volkswagen	VW TOURAN COMF 1,6TDI 105HK 6G...	- km / 295 days	24. jan 2019	Nikolaj Raaber
29. jan 2018		AY16948	50.126 km	SEAT	SEAT Mii Reference 1,0 60HK 5G Eco...	-1.900 km / -72 days	27. jan 2019	Søren Erik Christensen Christensen
-		BG75457	48.708 km	SEAT	SEAT Mii Style 1,0 60HK 5G Ecomotive	-2.700 km / -5 days	14. feb 2019	Dennis Klit
22. mar 2018		AZ61273	23.848 km	Škoda	SKODA Citigo Ambition 1,0 MPI 60 hk	6.500 km / 13 days	21. apr 2019	Gitte Herlo Beenfeldt
6. mar 2018		AZ39240	89.342 km	SEAT	SEAT Mii Style 1,0 60HK 5G Ecomotive	1.600 km / 162 days	4. maj 2019	Gitte Jensen
28. maj 2018		BP23162	44.062 km	SEAT	SEAT Mii Sport 1,0 60HK 5G Ecomotive	3.300 km / 264 days	6. maj 2019	Charlotte Mølgaard
9. jan 2018		AY80520	79.514 km	Volkswagen	VW fresh up! 1,0MPI 60HK 5G BMT 4...	2.600 km / 176 days	13. maj 2019	Søren Horsbøl Nielsen
24. jan 2018		AA55425	194.941 km	Volkswagen	VW MOVE UP! 1,0 75HK 5G BMT 55KW	3.100 km / 256 days	13. maj 2019	Jens Thomsen
22. jun 2018		BA18574	86.969 km	Volkswagen	VW POLO BLUEMOTION 1,0TSI 95HK...	2.780 km / 254 days	17. maj 2019	Lene Schæffer
22. maj 2018		AS10760	98.821 km	Škoda	SKODA OCTAVIA HB ELEGANCE 1,4 T...	22.920 km / 641 days	22. maj 2019	Kristjan Geirsson
4. okt 2017		BG73924	42.286 km	Volkswagen	VW move up! 1,0MPI 60HK 5G BMT	2.100 km / 93 days	24. maj 2019	Mogens Præst
8. jun 2018		BJ15600	51.078 km	Škoda	SKODA Octavia Combi Style 1,4 TSI 1...	9.360 km / 425 days	8. jun 2019	Michael Christensen
30. nov 2017		AY52170	98.388 km	Volkswagen	VW fresh up! 1,0MPI 60HK 5G BMT 4...	4.600 km / 242 days	12. jun 2019	Peter Vestergaard
1. mar 2018		AX15182	84.944 km	SEAT	SEAT Mii Style 1,0 60HK 5G Ecomotive	4.900 km / 228 days	14. jun 2019	Elisabeth Weinreich
18. jul 2017		AP68887	61.389 km	Volkswagen	VW GOLF LIMO R-LINE 1,4TSI 140HK ...	-	22. jun 2019	Julie Madsen
4. jan 2018		BV39241	23.476 km	Škoda	SKODA Citigo ICE 1,0 MPI 60 hk	5.800 km / 226 days	15. jul 2019	Emil Pedersen
11. dec 2017		BD26875	108.327 km	Škoda	SKODA Octavia Hatchback RS 2,0 TDI...	10.310 km / 528 days	21. jul 2019	Lars Frederiksen
16. okt 2018		AZ39243	56.486 km	SEAT	SEAT Toledo Style 1,4 TSI 125HK DSG7	4.870 km / 191 days	18. aug 2019	Richard martin Syamindo
11. dec 2017			48.070 km	Škoda	SKODA Ny Fabia Combi Ambition 1,2...	13.020 km / 515 days	19. aug 2019	Cindie Bjerre

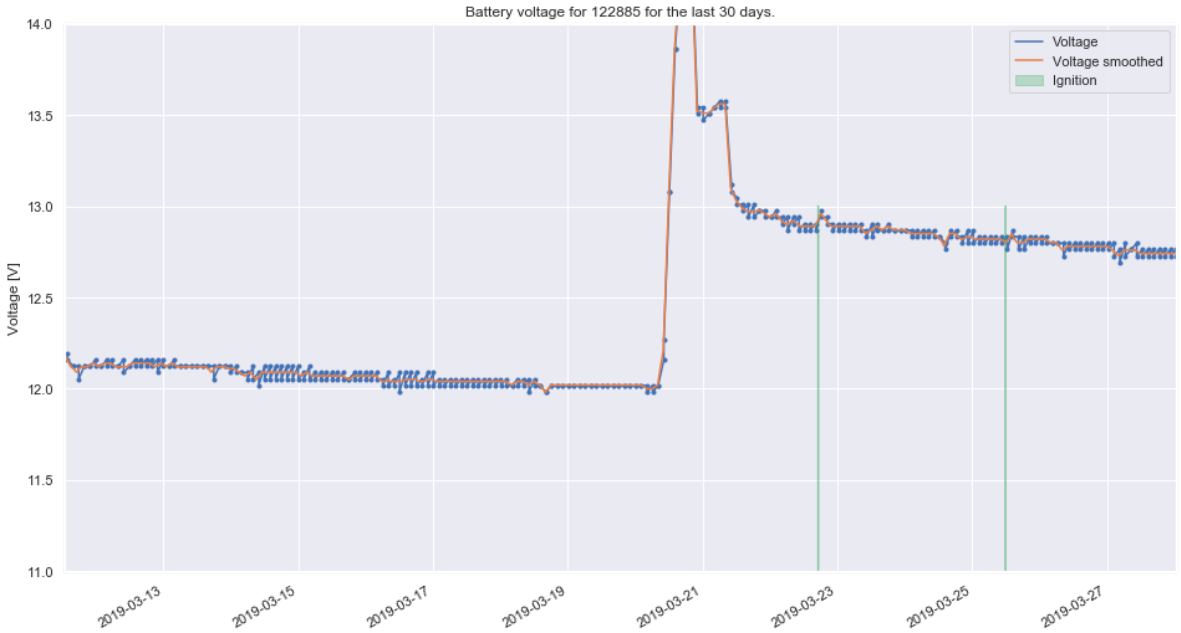
Screenshot: Vehicle details page



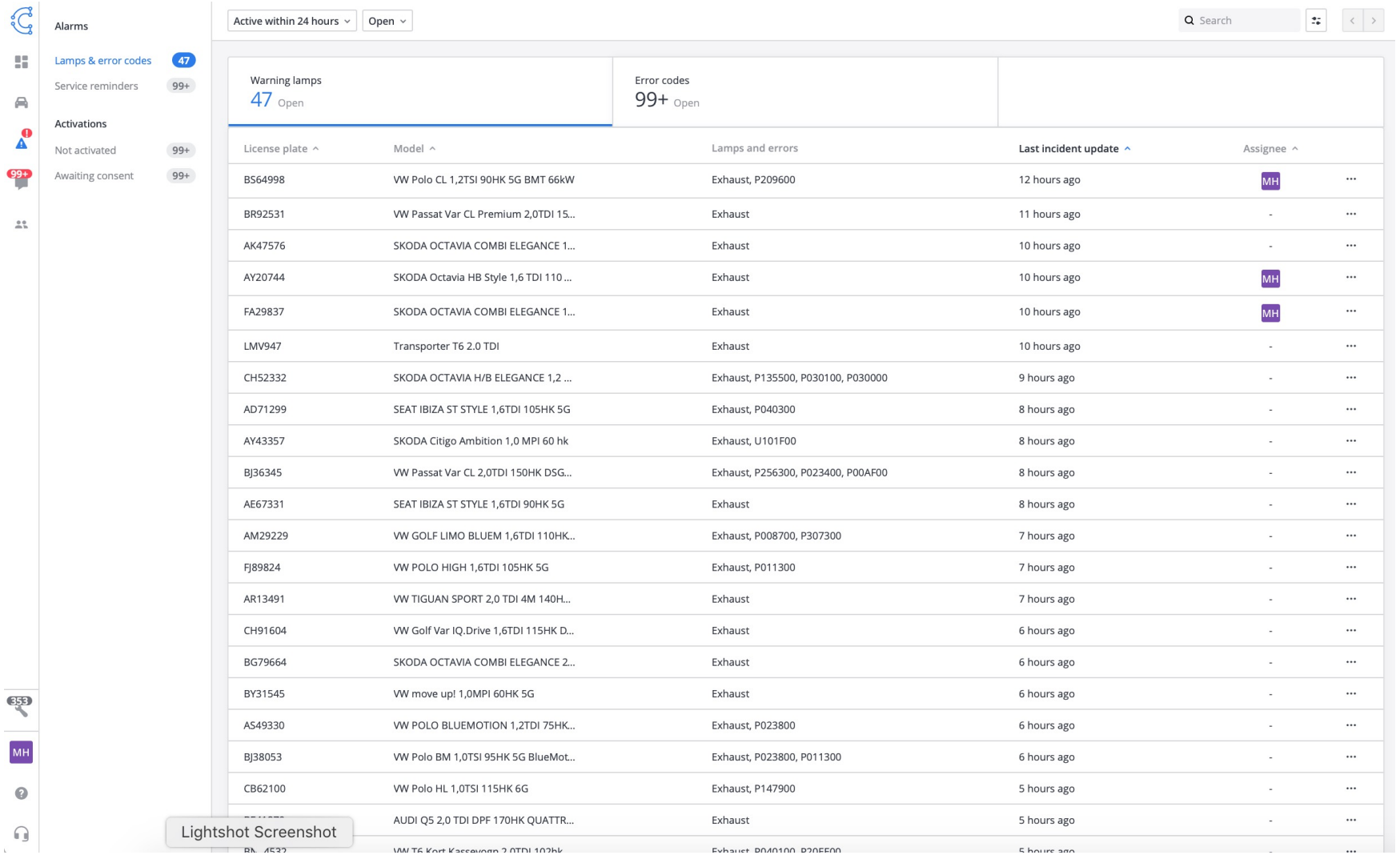
Screenshot: Bad battery detection (creates an alarm in app, fleet + workshop tool)

Frontend

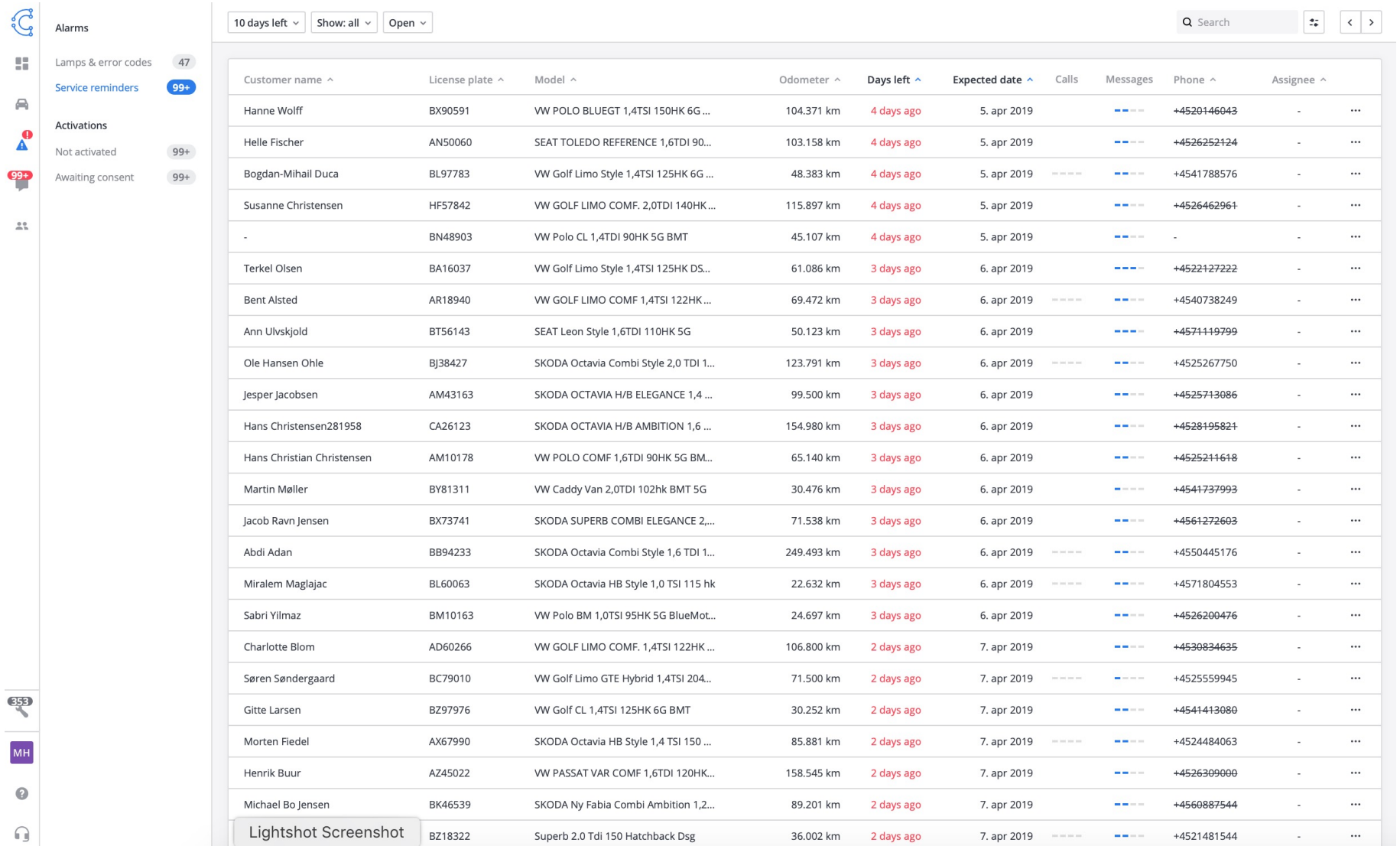
Backend



Screenshot: Warning lamp lead list

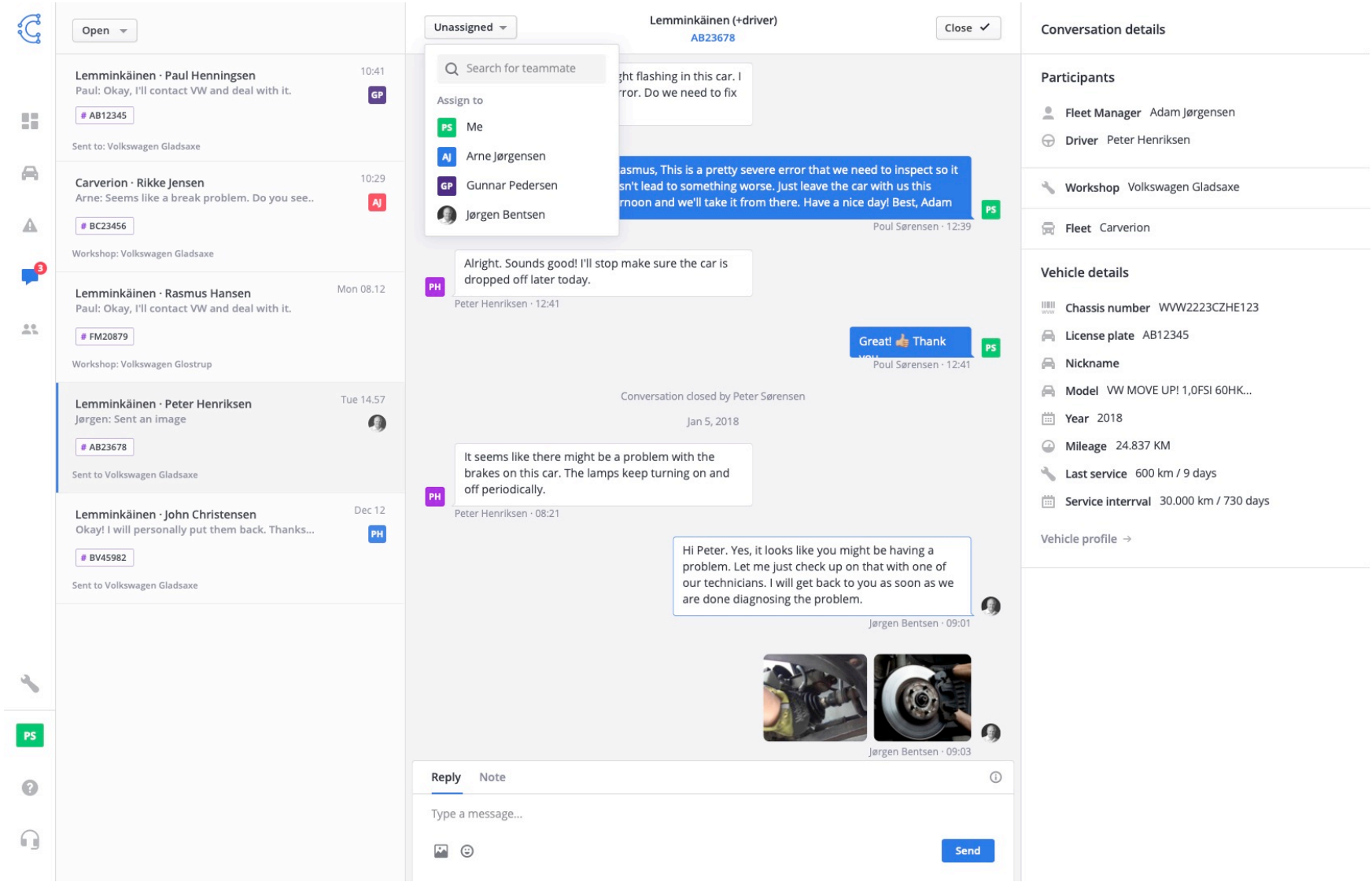


Screenshot: Service reminder lead list

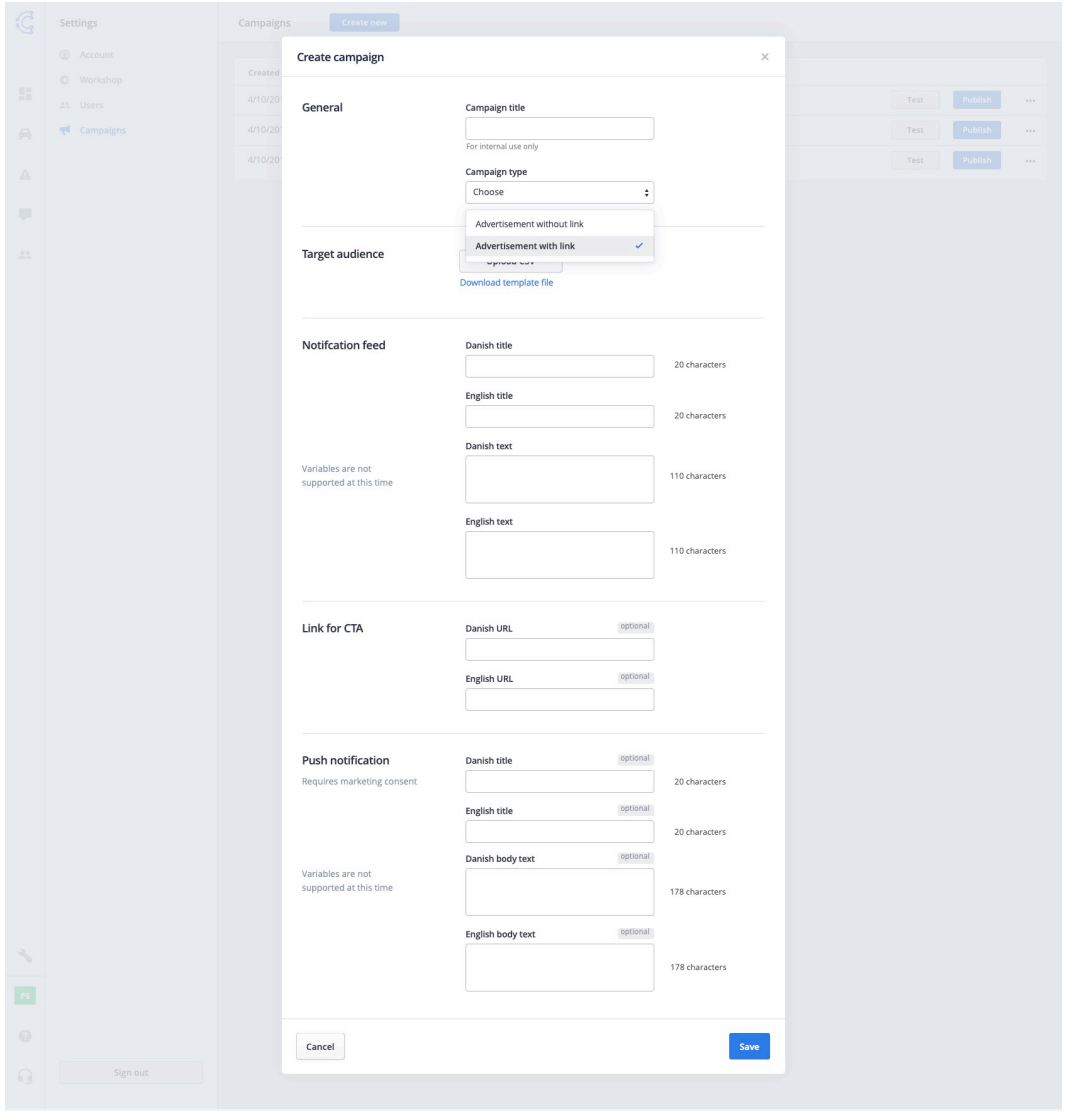


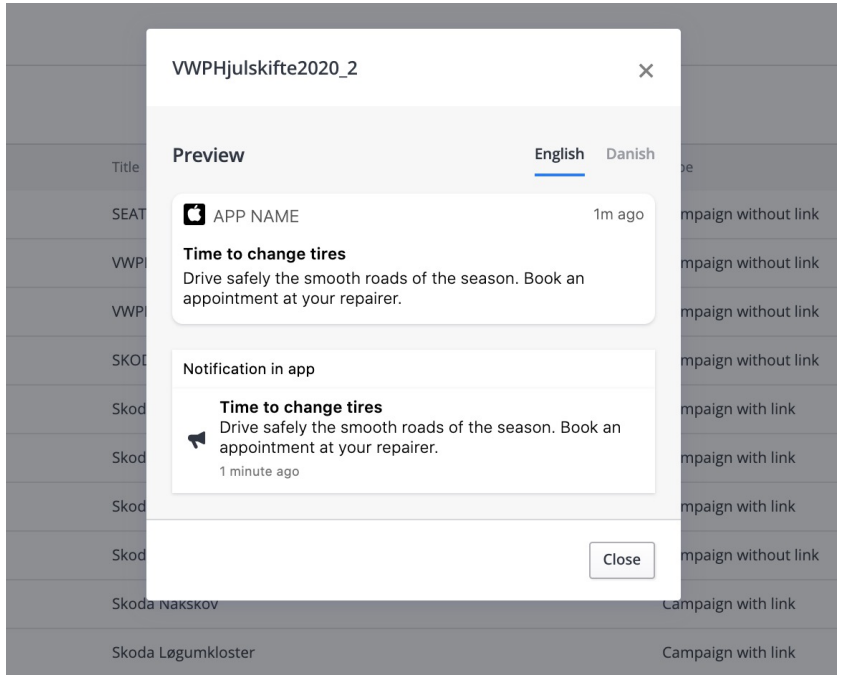
Customer name	License plate	Model	Odometer	Days left	Expected date	Calls	Messages	Phone	Assignee
Hanne Wolff	BX90591	VW POLO BLUEGT 1,4TSI 150HK 6G ...	104.371 km	4 days ago	5. apr 2019			~~+4520146043~~	-
Helle Fischer	AN50060	SEAT TOLEDO REFERENCE 1,6TDI 90...	103.158 km	4 days ago	5. apr 2019			~~+4526252124~~	-
Bogdan-Mihail Duca	BL97783	VW Golf Limo Style 1,4TSI 125HK 6G ...	48.383 km	4 days ago	5. apr 2019			+4541788576	-
Susanne Christensen	HF57842	VW GOLF LIMO COMF. 2,0TDI 140HK ...	115.897 km	4 days ago	5. apr 2019			~~+4526462961~~	-
-	BN48903	VW Polo CL 1,4TDI 90HK 5G BMT	45.107 km	4 days ago	5. apr 2019			-	-
Terkel Olsen	BA16037	VW Golf Limo Style 1,4TSI 125HK DS...	61.086 km	3 days ago	6. apr 2019			~~+4522127222~~	-
Bent Alsted	AR18940	VW GOLF LIMO COMF 1,4TSI 122HK ...	69.472 km	3 days ago	6. apr 2019			+4540738249	-
Ann Ulvskjold	BT56143	SEAT Leon Style 1,6TDI 110HK 5G	50.123 km	3 days ago	6. apr 2019			~~+4571119799~~	-
Ole Hansen Ohle	BJ38427	SKODA Octavia Combi Style 2,0 TDI 1...	123.791 km	3 days ago	6. apr 2019			+4525267750	-
Jesper Jacobsen	AM43163	SKODA OCTAVIA H/B ELEGANCE 1,4 ...	99.500 km	3 days ago	6. apr 2019			~~+4525713086~~	-
Hans Christensen281958	CA26123	SKODA OCTAVIA H/B AMBITION 1,6 ...	154.980 km	3 days ago	6. apr 2019			~~+4528195821~~	-
Hans Christian Christensen	AM10178	VW POLO COMF 1,6TDI 90HK 5G BM...	65.140 km	3 days ago	6. apr 2019			~~+4525211618~~	-
Martin Møller	BY81311	VW Caddy Van 2,0TDI 102hk BMT 5G	30.476 km	3 days ago	6. apr 2019			~~+4541737993~~	-
Jacob Ravn Jensen	BX73741	SKODA SUPERB COMBI ELEGANCE 2,...	71.538 km	3 days ago	6. apr 2019			~~+4561272603~~	-
Abdi Adan	BB94233	SKODA Octavia Combi Style 1,6 TDI 1...	249.493 km	3 days ago	6. apr 2019			+4550445176	-
Miralem Maglajac	BL60063	SKODA Octavia HB Style 1,0 TSI 115 hk	22.632 km	3 days ago	6. apr 2019			+4571804553	-
Sabri Yilmaz	BM10163	VW Polo BM 1,0TSI 95HK 5G BlueMot...	24.697 km	3 days ago	6. apr 2019			~~+4526200476~~	-
Charlotte Blom	AD60266	VW GOLF LIMO COMF. 1,4TSI 122HK ...	106.800 km	2 days ago	7. apr 2019			~~+4530834635~~	-
Søren Søndergaard	BC79010	VW Golf Limo GTE Hybrid 1,4TSI 204...	71.500 km	2 days ago	7. apr 2019			+4525559945	-
Gitte Larsen	BZ97976	VW Golf CL 1,4TSI 125HK 6G BMT	30.252 km	2 days ago	7. apr 2019			~~+4541413080~~	-
Morten Fiedel	AX67990	SKODA Octavia HB Style 1,4 TSI 150 ...	85.881 km	2 days ago	7. apr 2019			+4524484063	-
Henrik Buur	AZ45022	VW PASSAT VAR COMF 1,6TDI 120HK...	158.545 km	2 days ago	7. apr 2019			~~+4526309000~~	-
Michael Bo Jensen	BK46539	SKODA Ny Fabia Combi Ambition 1,2...	89.201 km	2 days ago	7. apr 2019			~~+4560887544~~	-
	BZ18322	Superb 2.0 Tdi 150 Hatchback Dsg	36.002 km	2 days ago	7. apr 2019			+4521481544	-

Screenshot: Customer chat portal

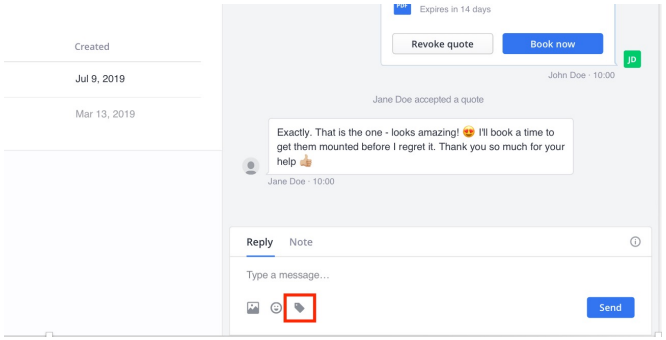


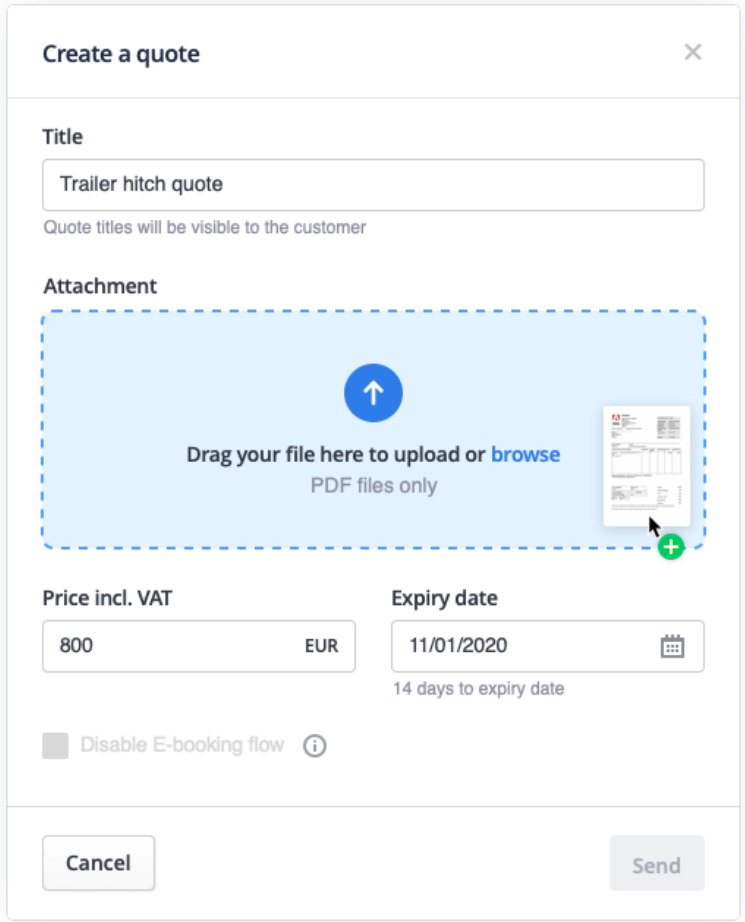
Screenshot: Marketing Campaign creator

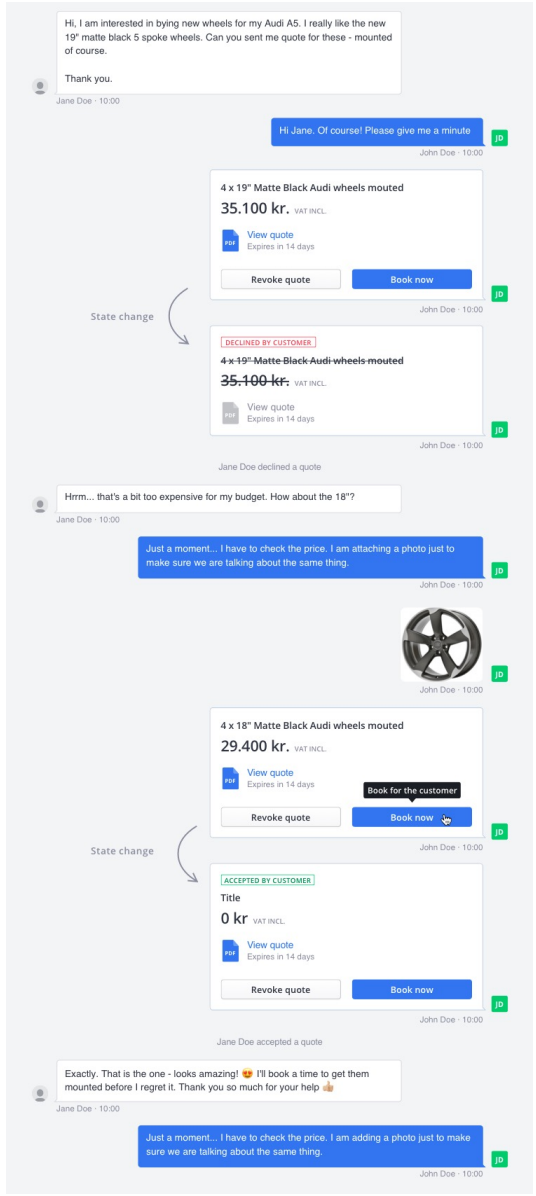




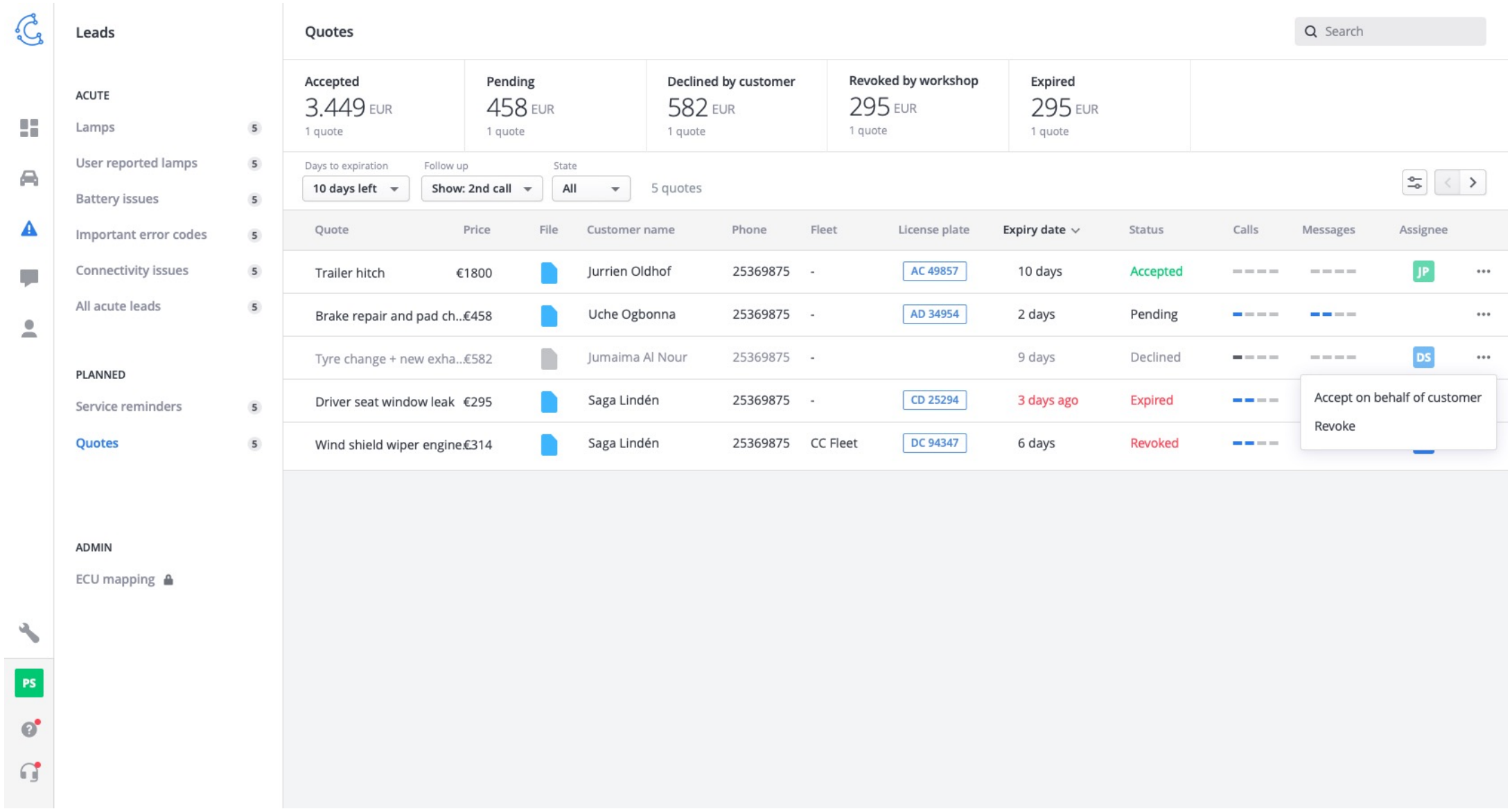
Screenshot: Quotes and offers







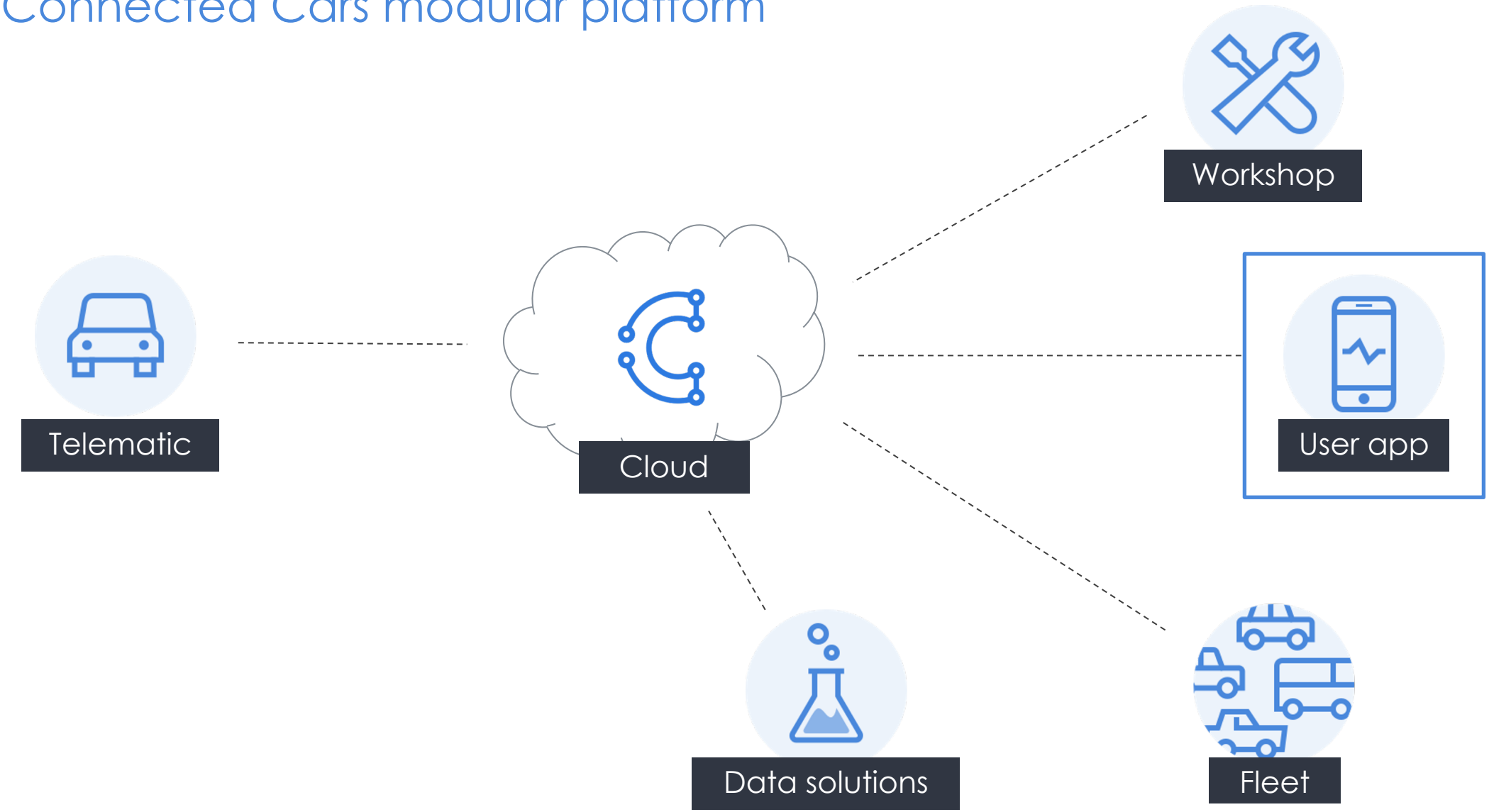
Screenshot: Quotes and offers overview



Products

Connected Cars User App

Connected Cars modular platform



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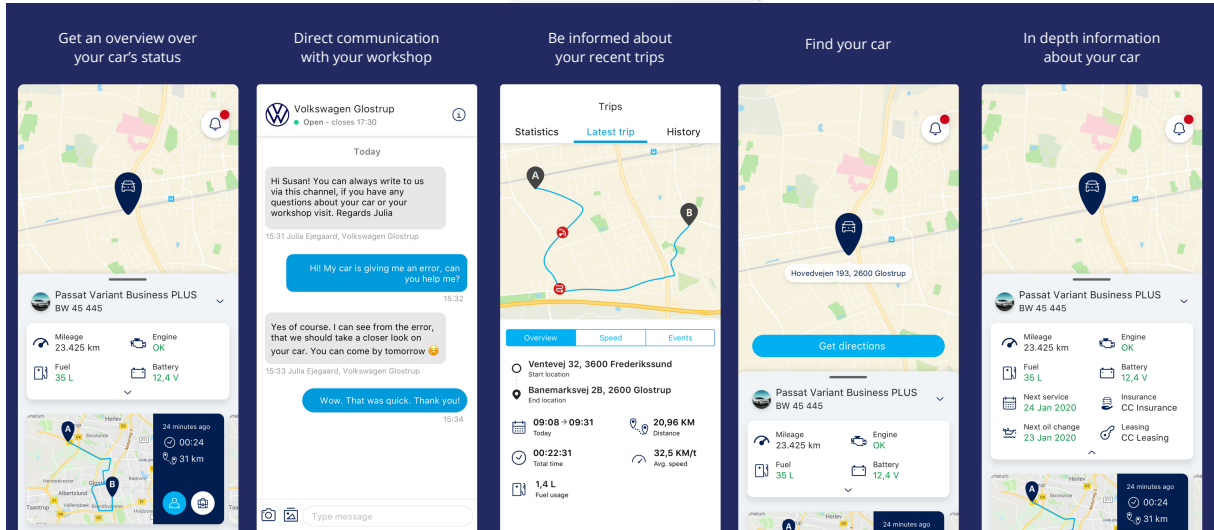
Connected Cars App
- Main advantages

Vehicle technical status	→ Proactive messages about service and errors
Workshop appointment bookings	→ Workshop bookings made easy
Direct chat with workshop	→ Convenient communication
Targeted marketing	→ Relevant information in your pocket
Roadside assistance	→ Share location and issue
Trip log and vehicle location	→ See all your trips and mark business trips
Driver behavior analytics	→ Optimize your driving
3rd party integrations	→ Additional services available
Private label	→ Can be skinned to your brand

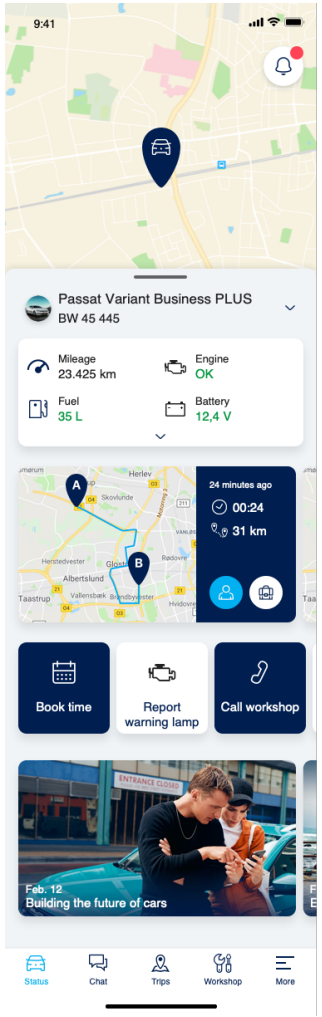
General on the App:

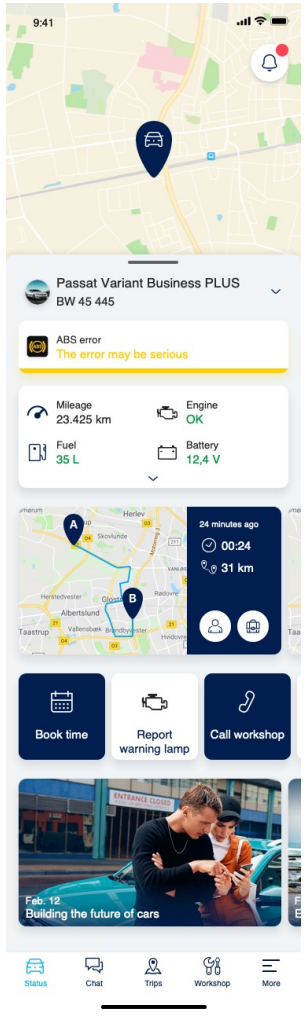
The Connected Cars app gives the workshop the opportunity to be in direct and proactive contact with the customer. It also gives the dealerships and importer the opportunity to localize the experience to make it fit the local needs better then a "one size fits all" factory solution offers.

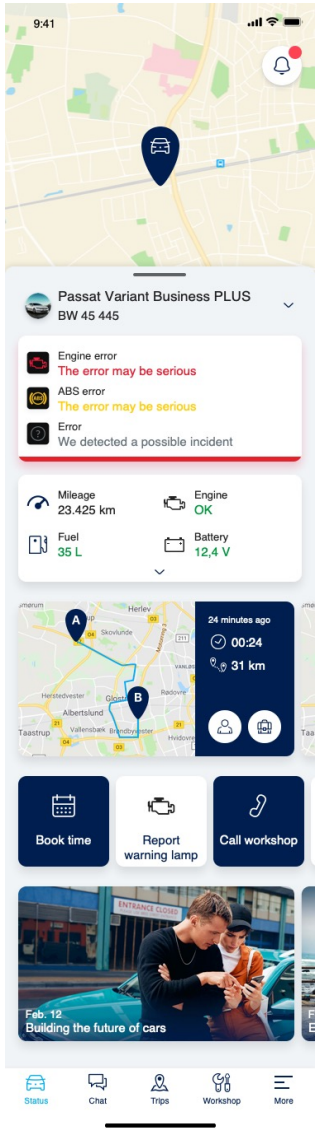
The Connected Cars app can work perfectly alongside the factory provided apps.

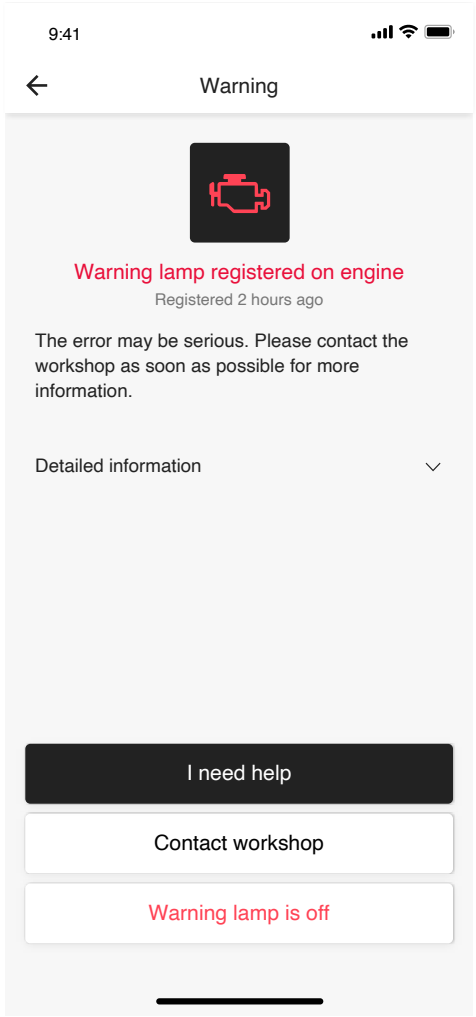


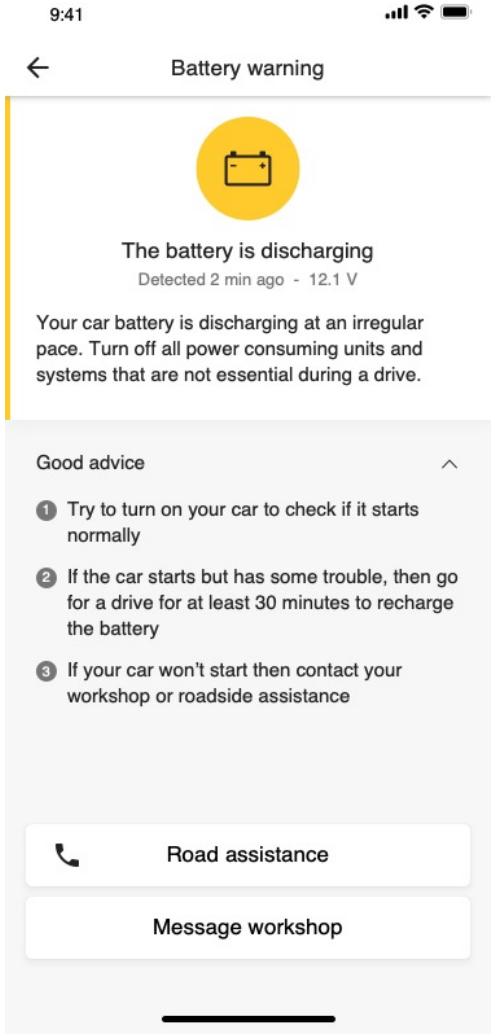
Screenshots – App – Status screen - Warnings



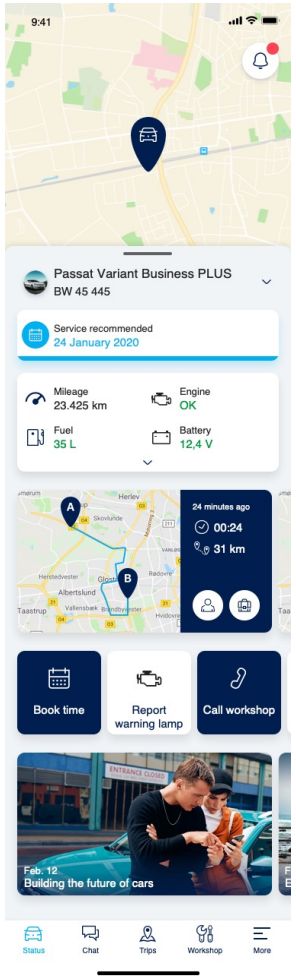


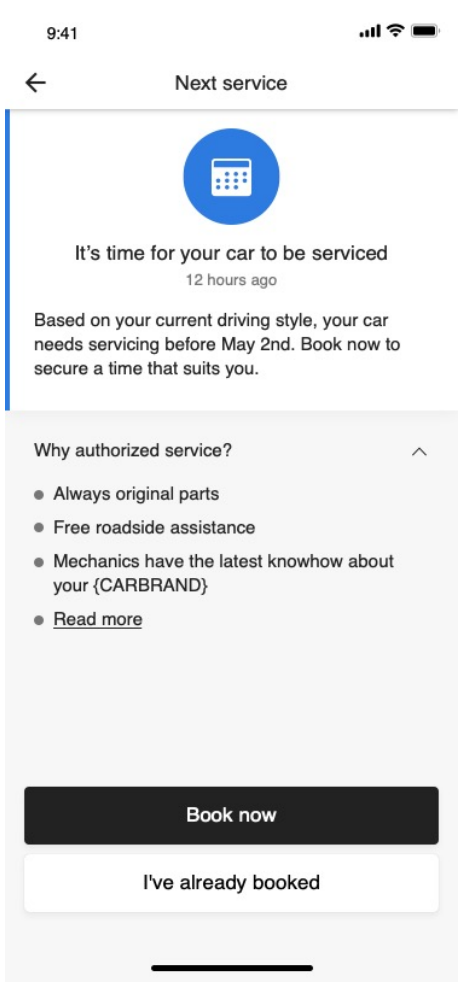


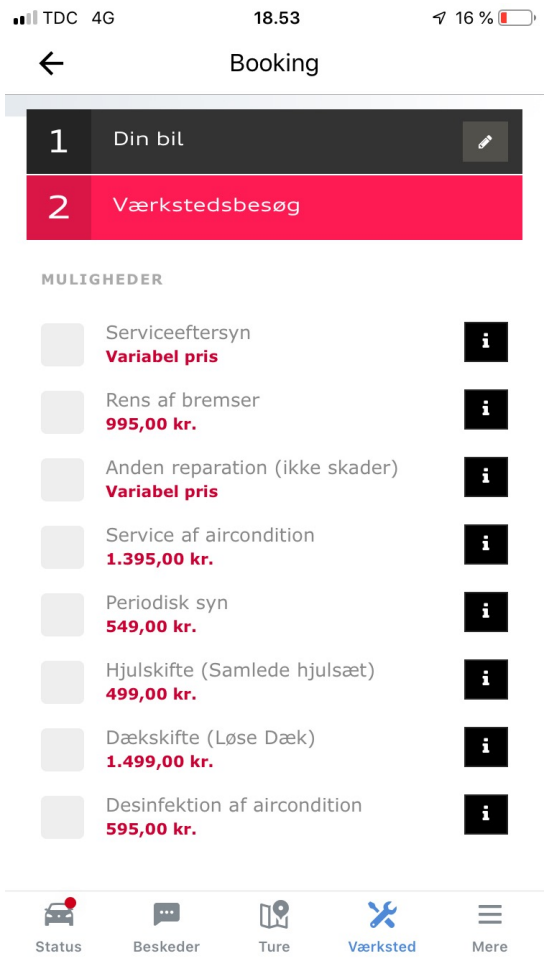


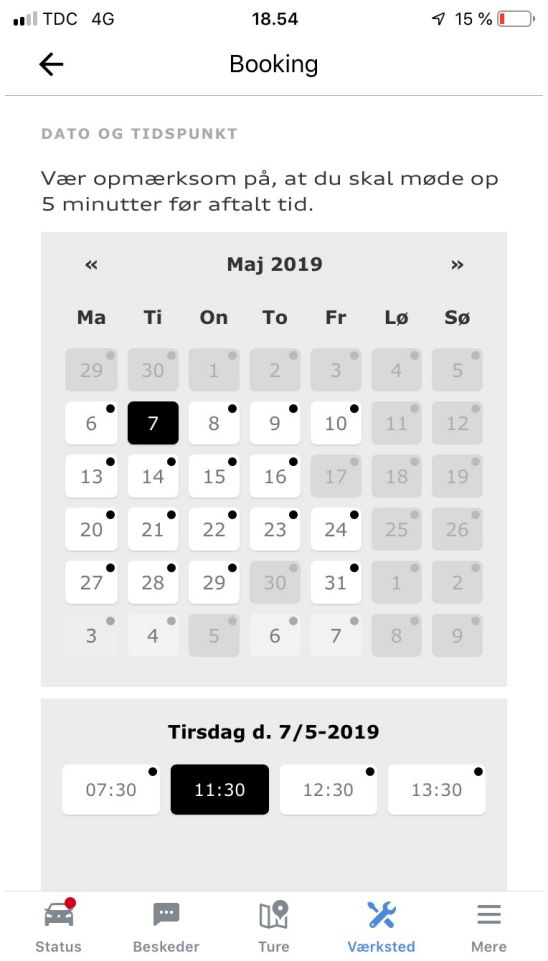


Screenshots – App – Status screen – Service

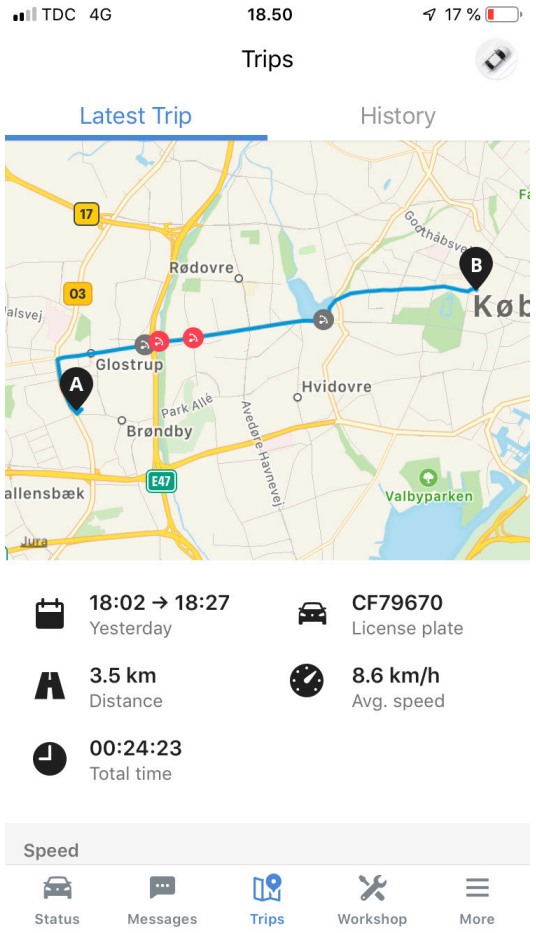


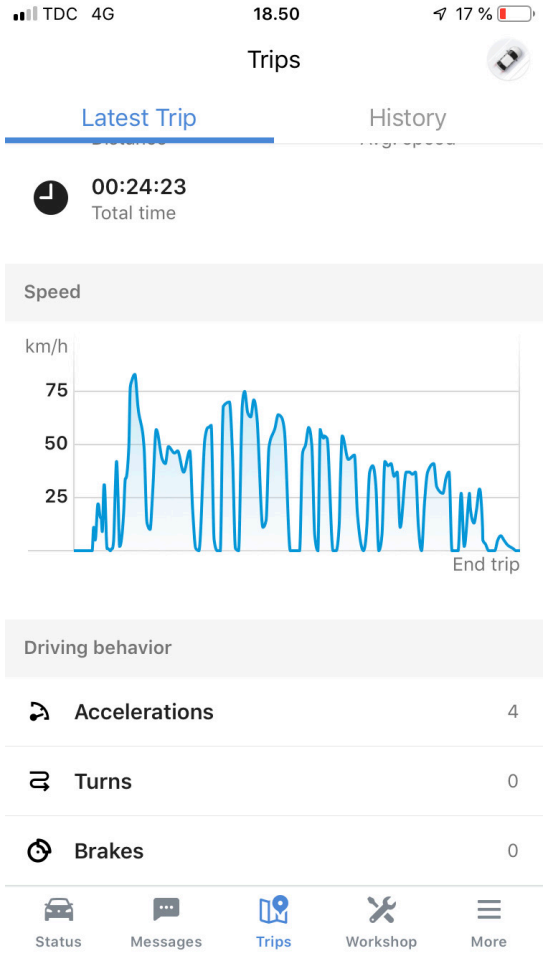


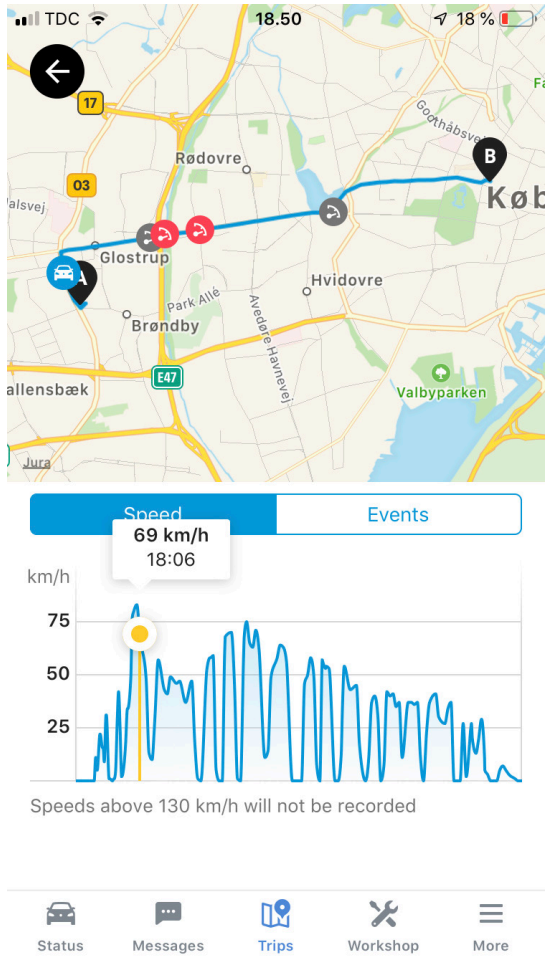


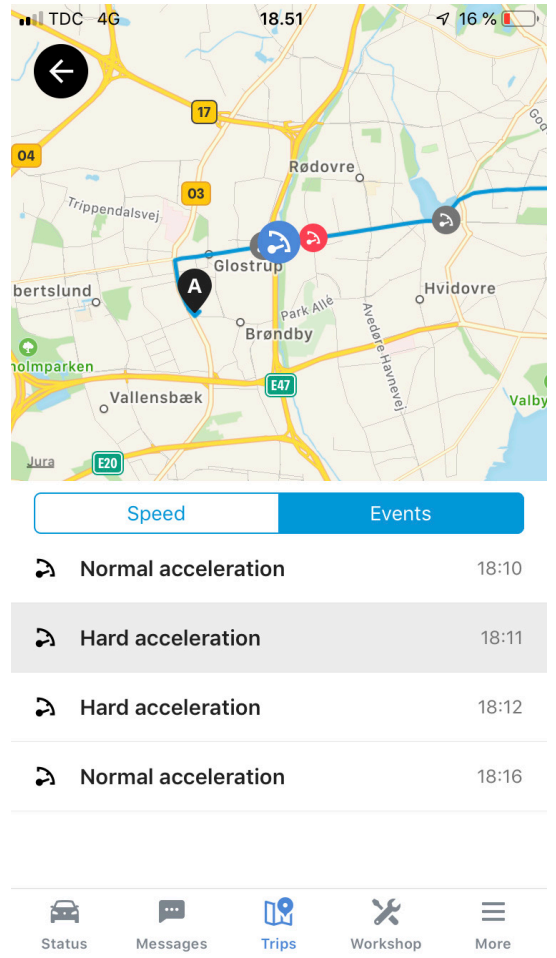


Screenshots – App 3 - Trips

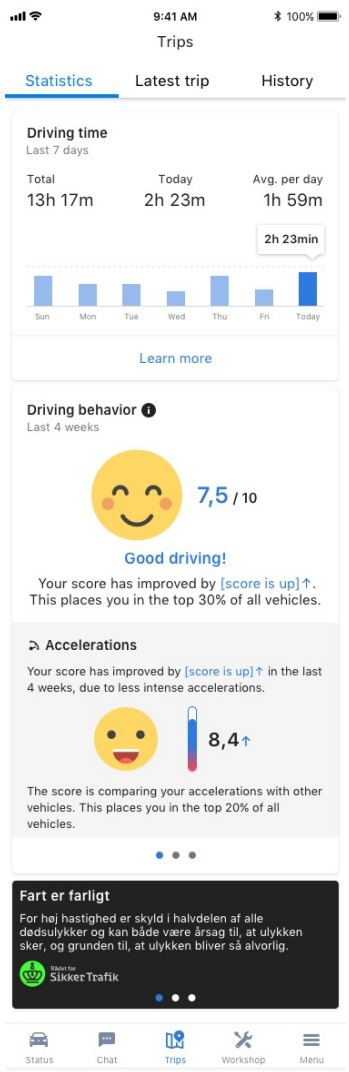


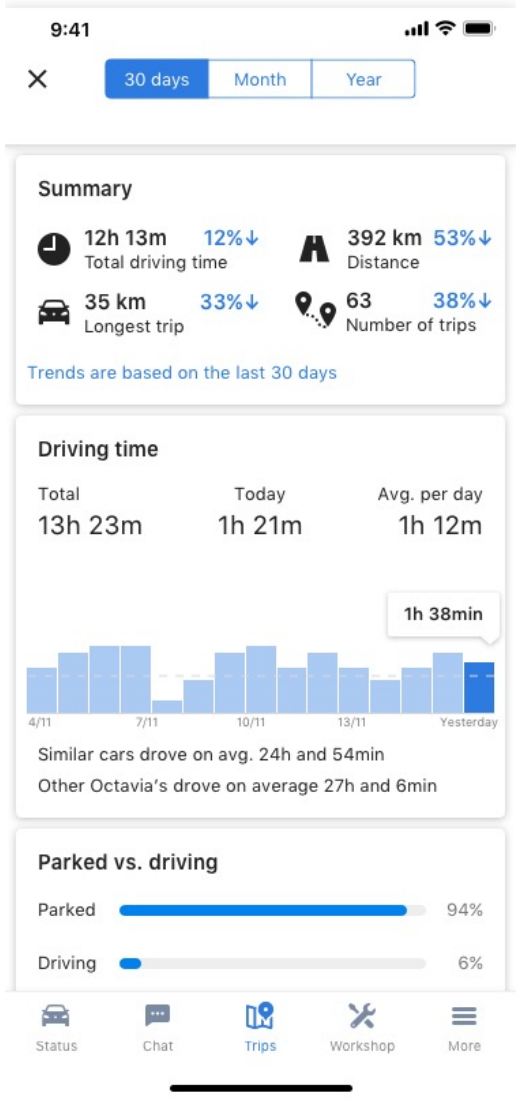




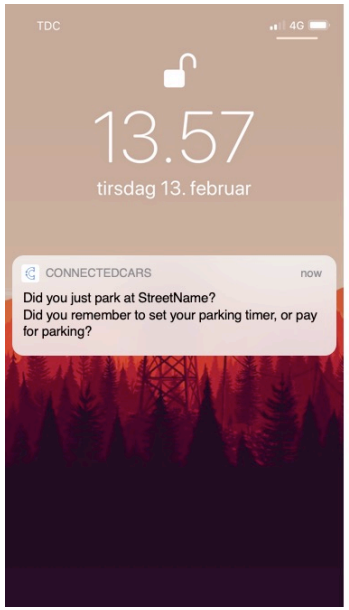


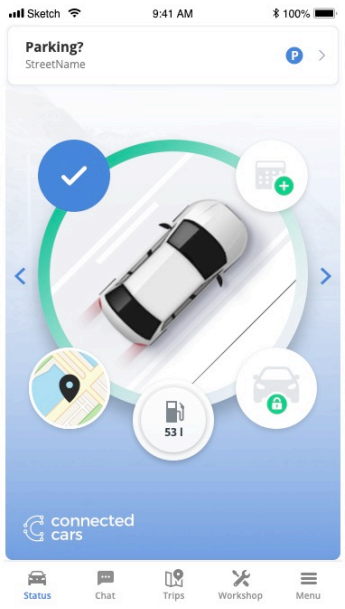
Screenshots – App 4 – Driving Statistics

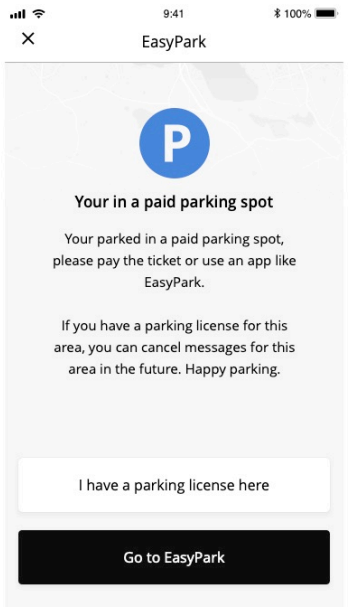


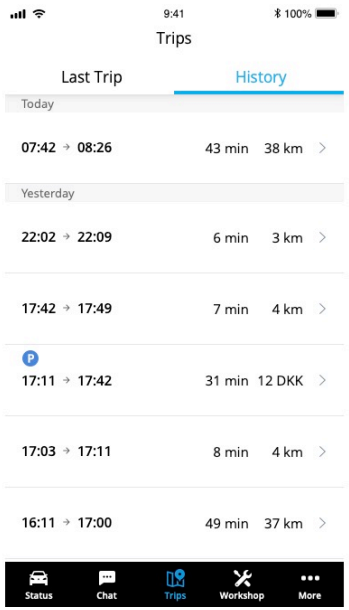


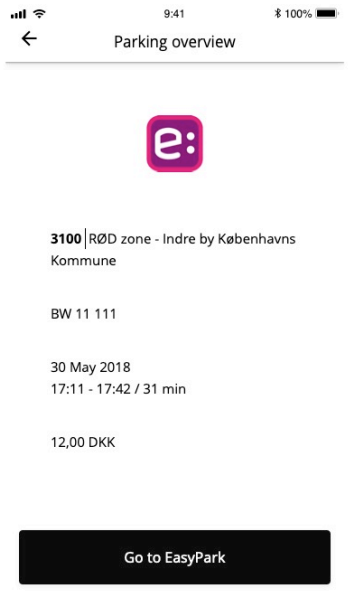
Screenshots – App 6 – Parking partnership

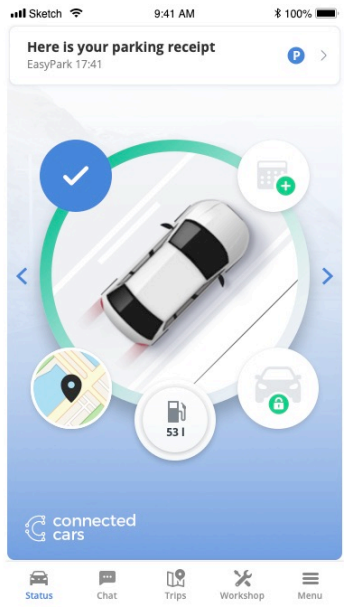




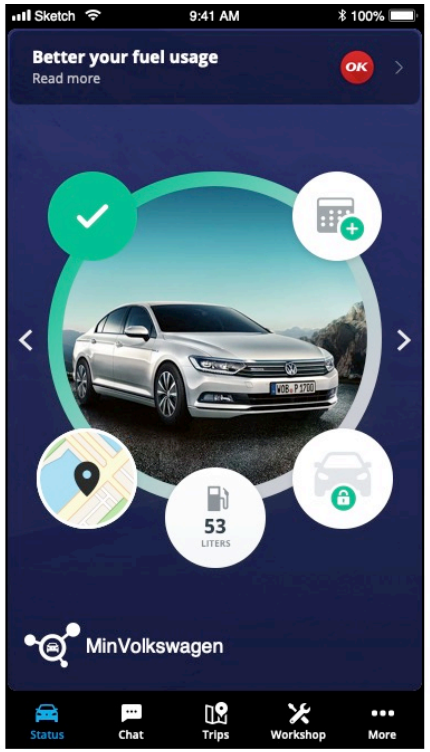


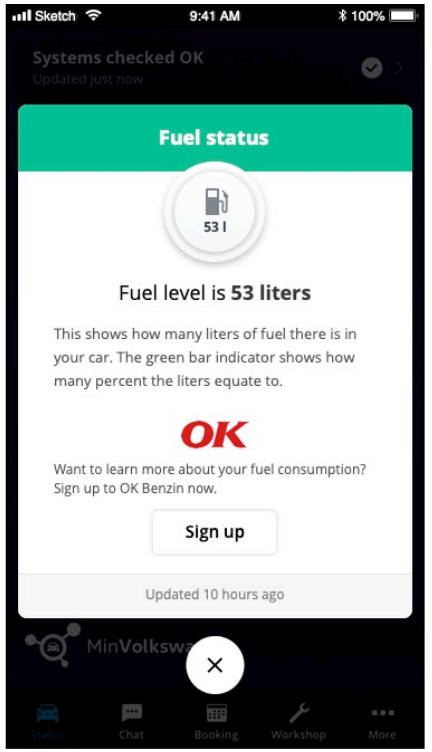


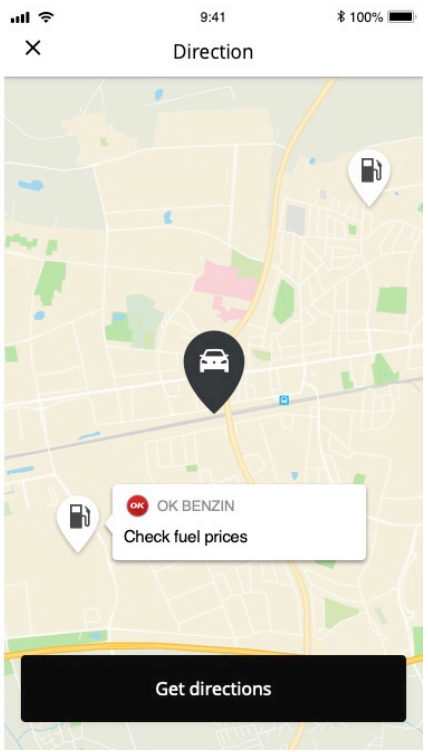




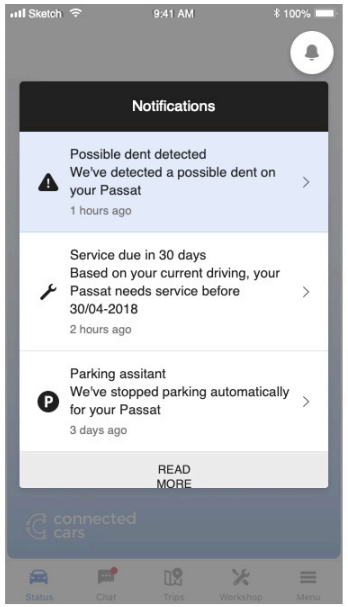
Screenshots – App 7 – Fuel partnership

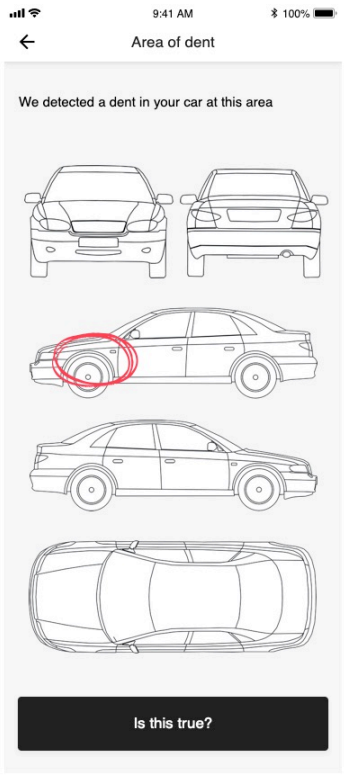


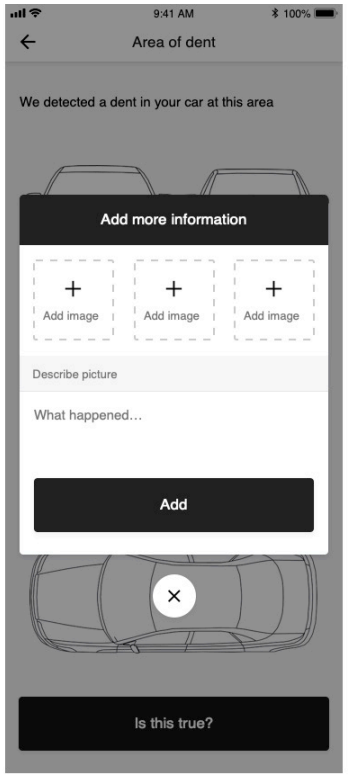


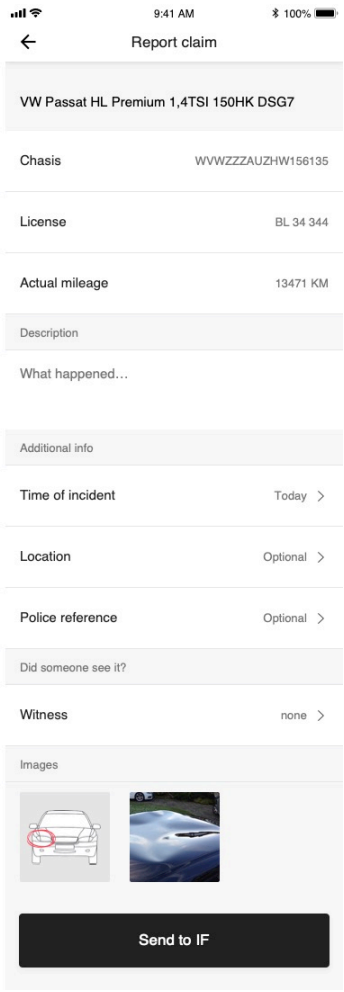


Screenshots – App 9 – Report an insurance claim





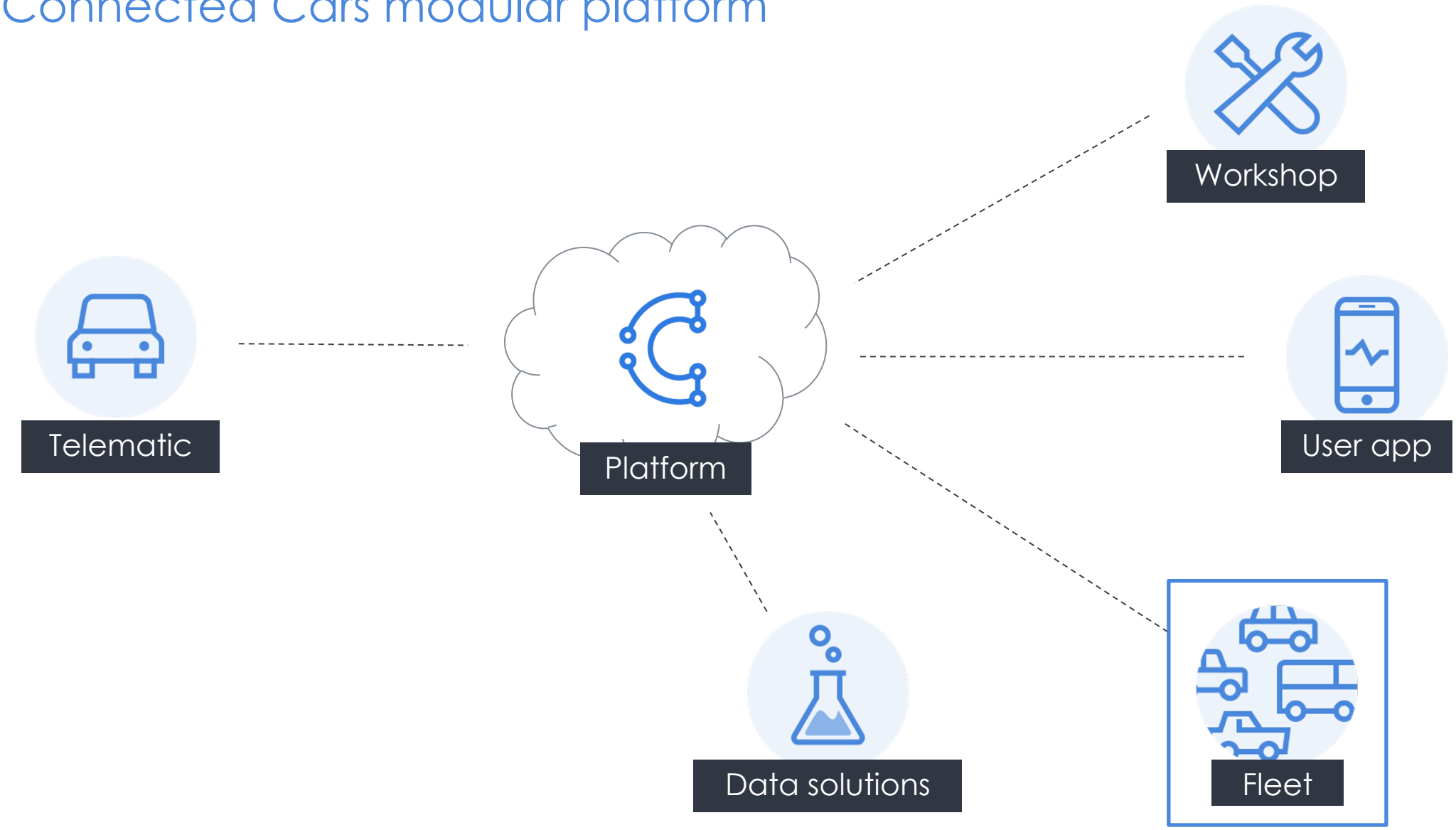




Products

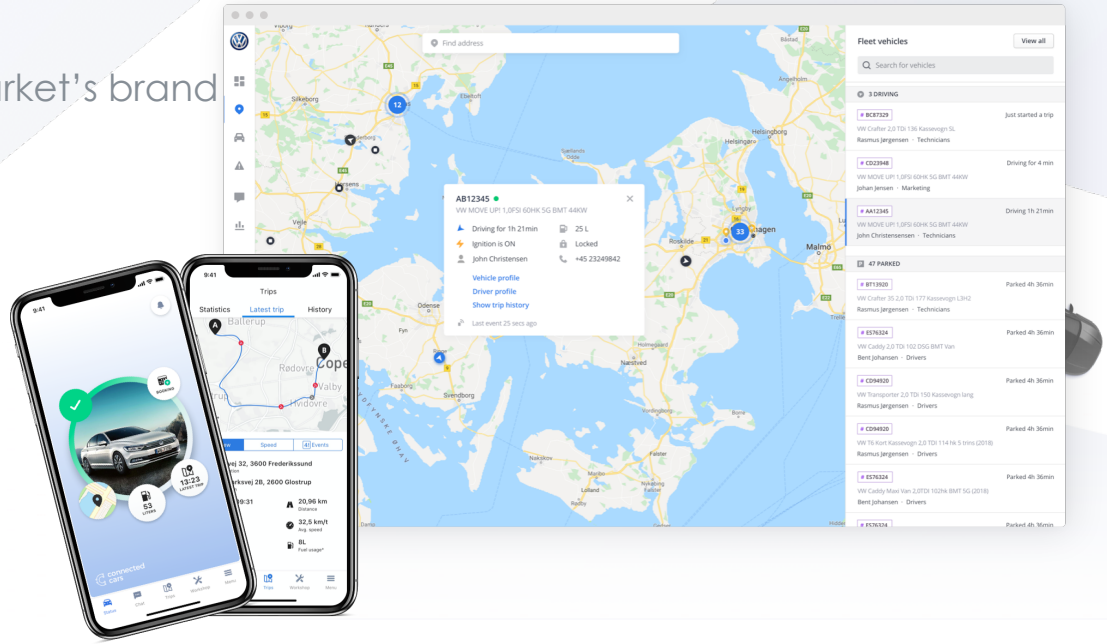
Connected Cars Fleet

Connected Cars modular platform



Connected Cars Fleet
- Main advantages

Live GPS tracking	→ Proactive messages about service and errors
Multibrand support	→ Workshop bookings made easy
Real-time vehicle technical status	→ Convenient communication
Automated maintenance overview	→ Relevant information in your pocket
Direct chat with workshop	→ Share location and issue
Fleet driver app	→ See all your trips and mark business trips
Driver behavior analytics	→ Optimize your driving
Private label	→ Can be skinned to the local market's brand

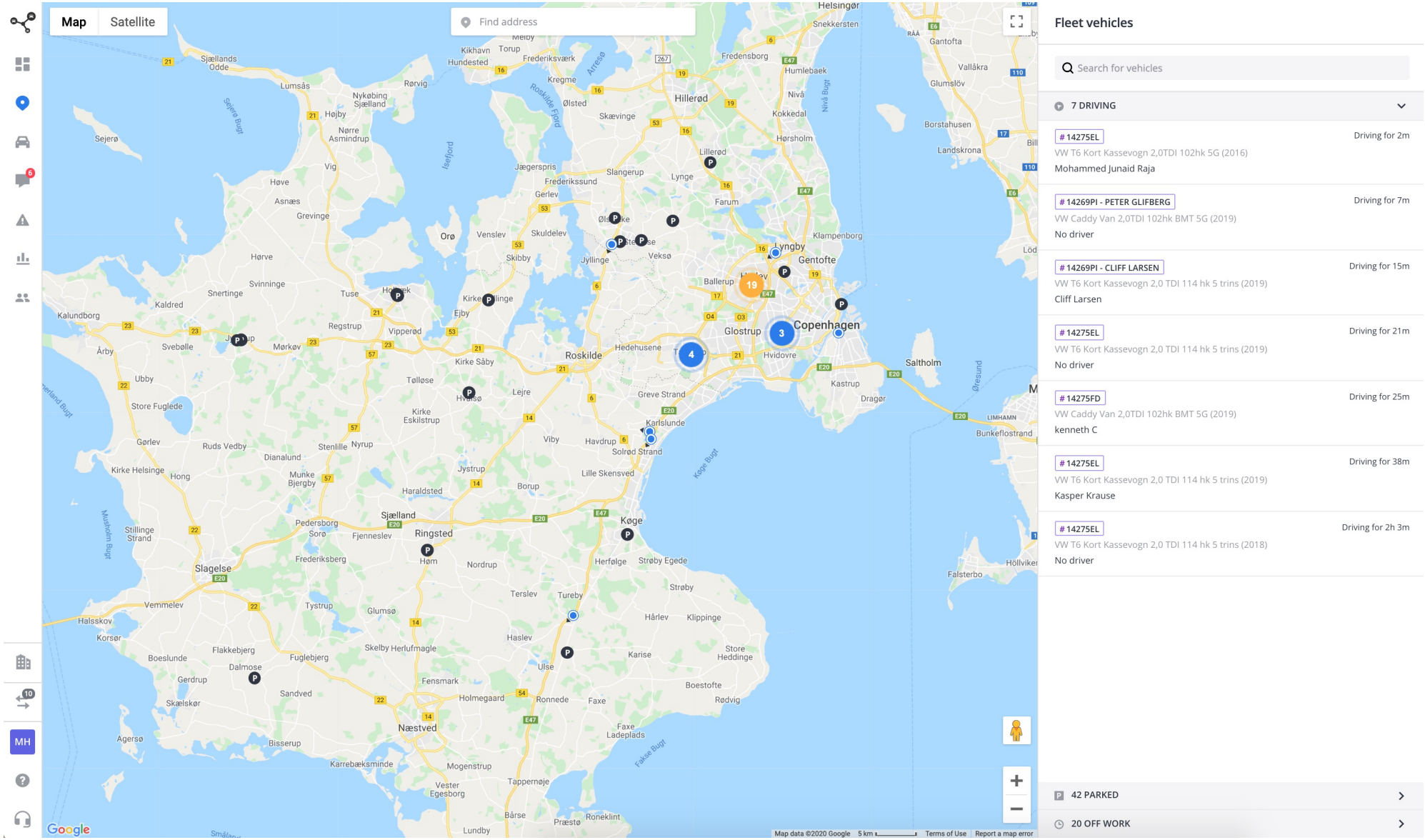


General on the Fleet Tool :

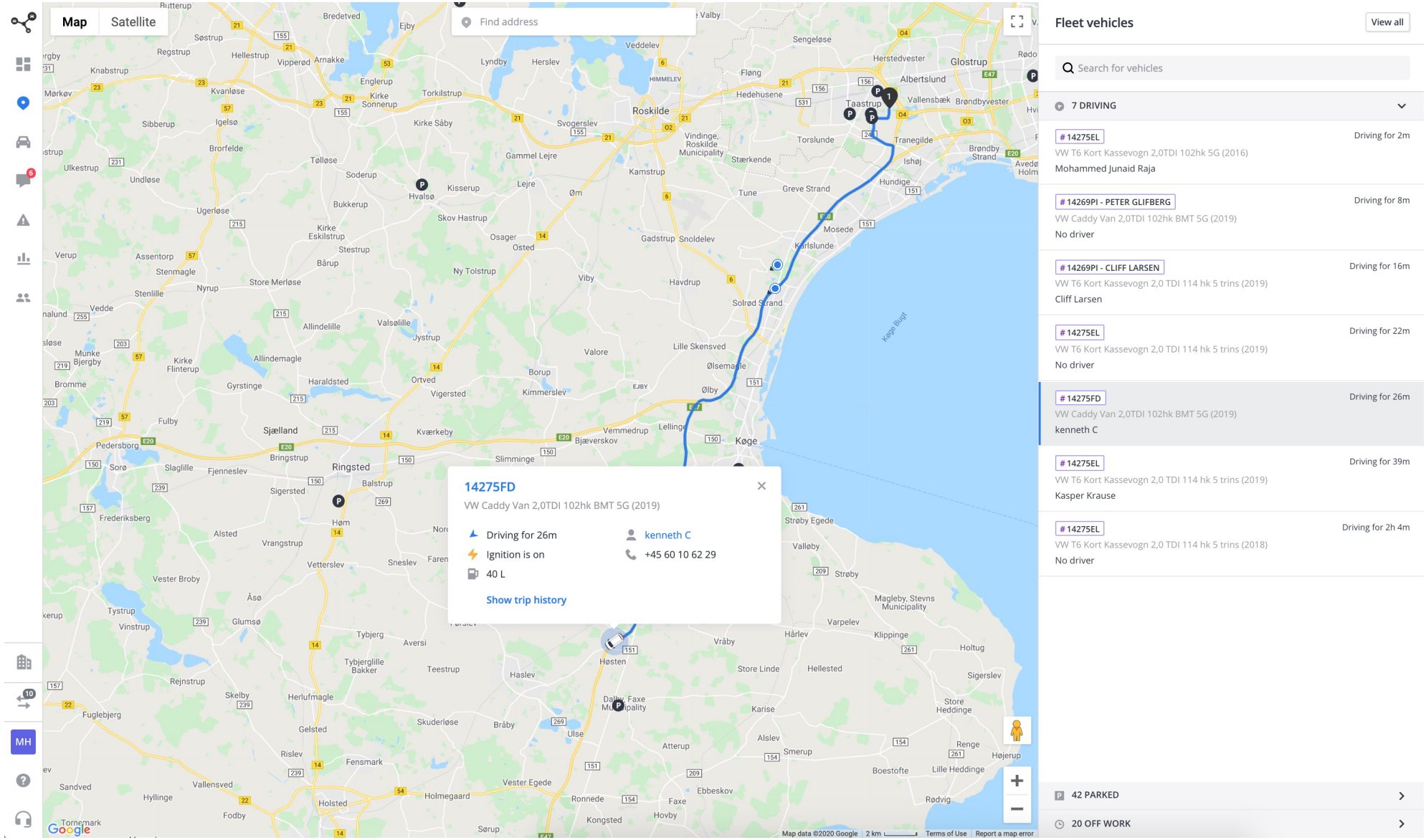
The Connected Cars Fleet tool, gives the workshops a great opportunity to get even more customers connected to their workshop and thereby make them more loyal.

*Beside this, the sale of the fleet tool gives the dealers/importer a great opportunity to earn some extra money on the sale of the license, as it has been offered for **FREE** when the car is connected to the Workshop tool.*

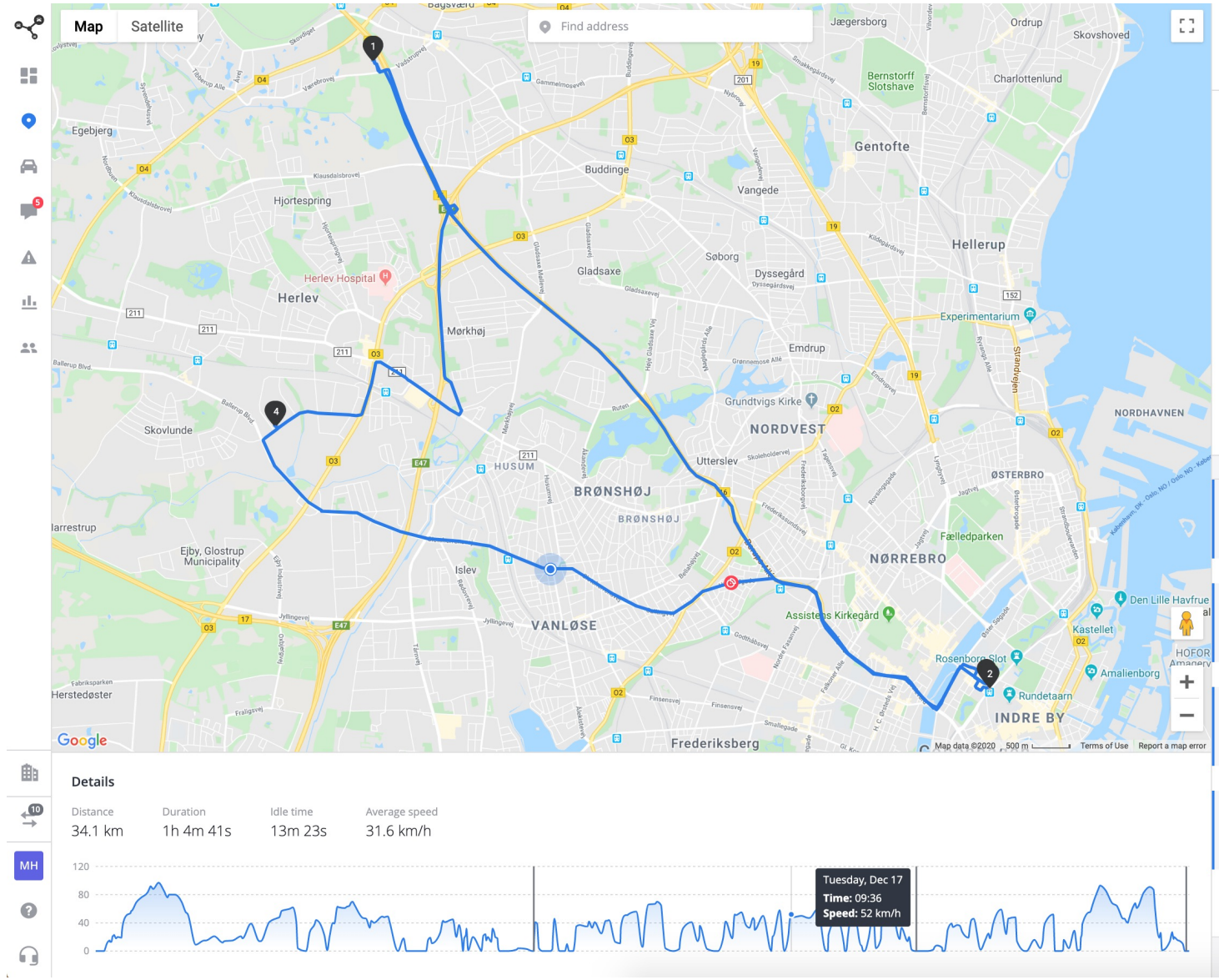
Screenshot: Map

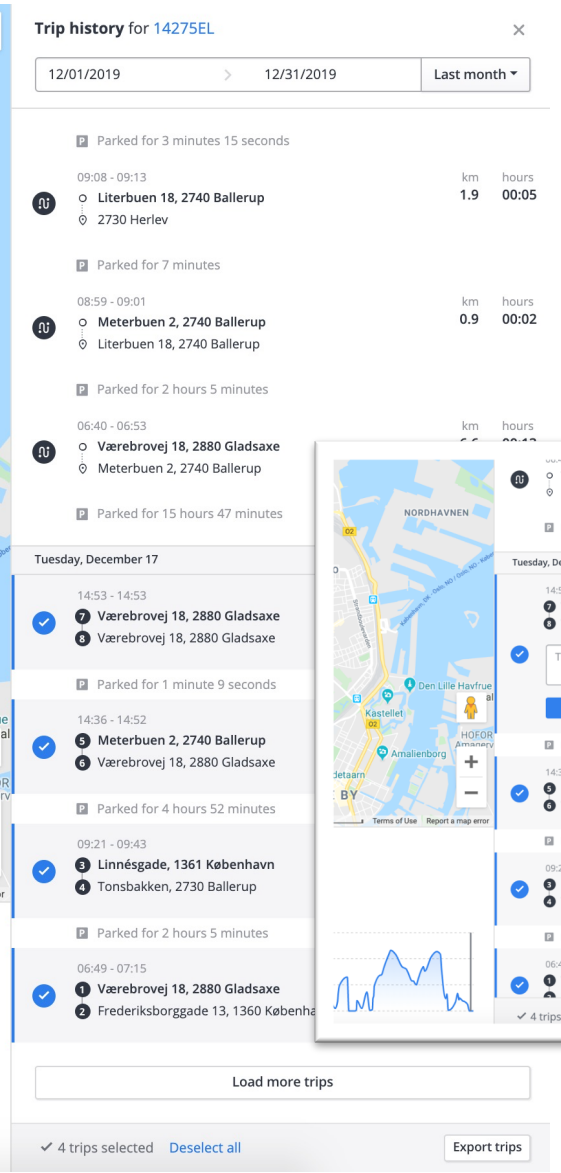


Screenshot: Map 2

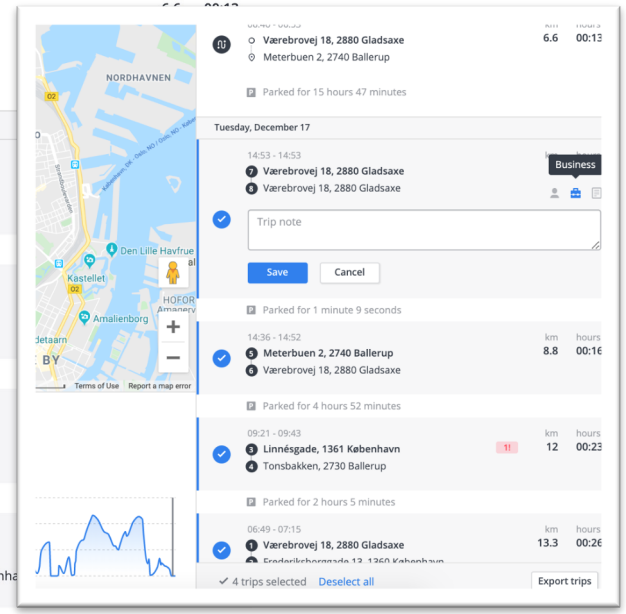


Screenshot: Trips

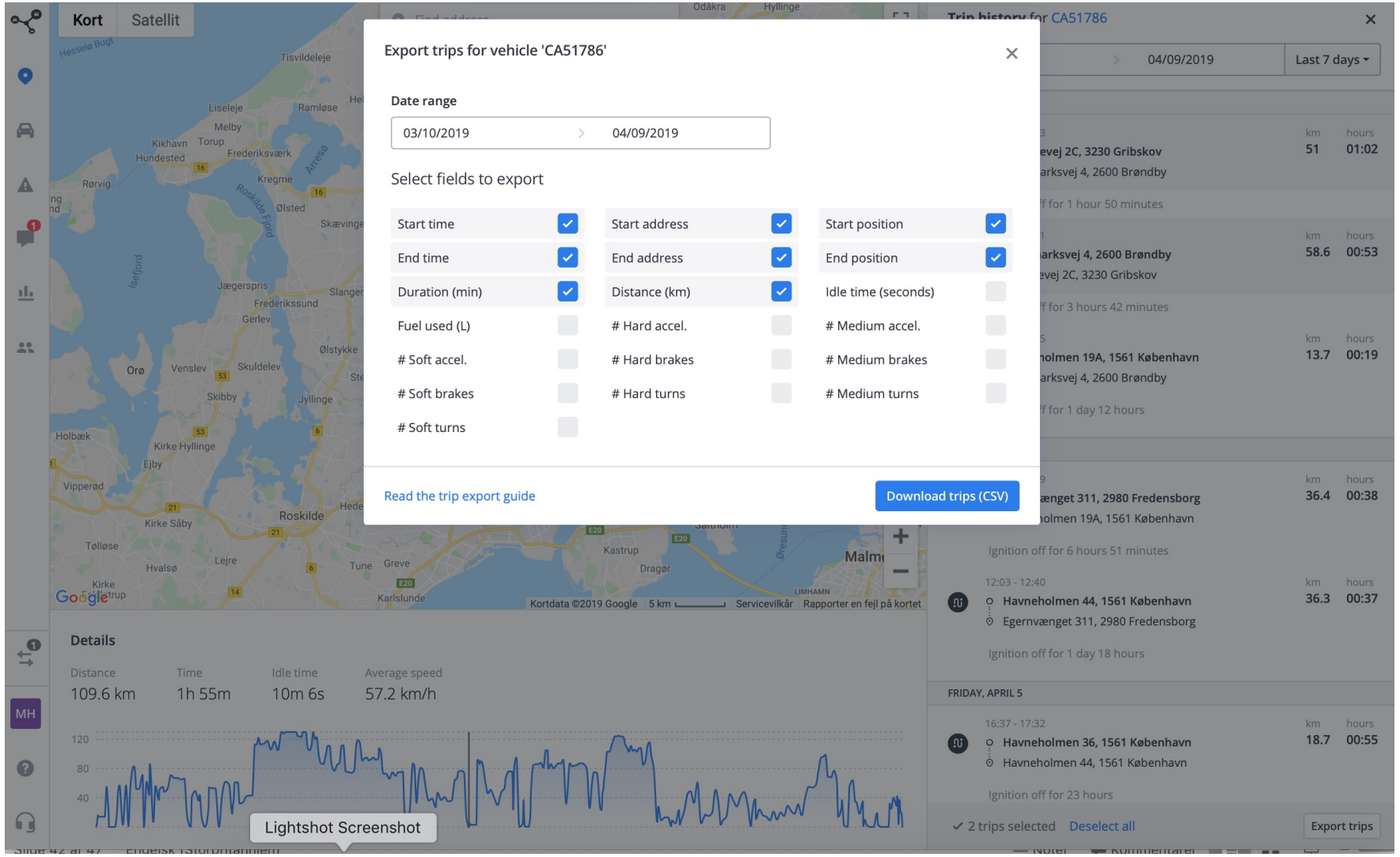




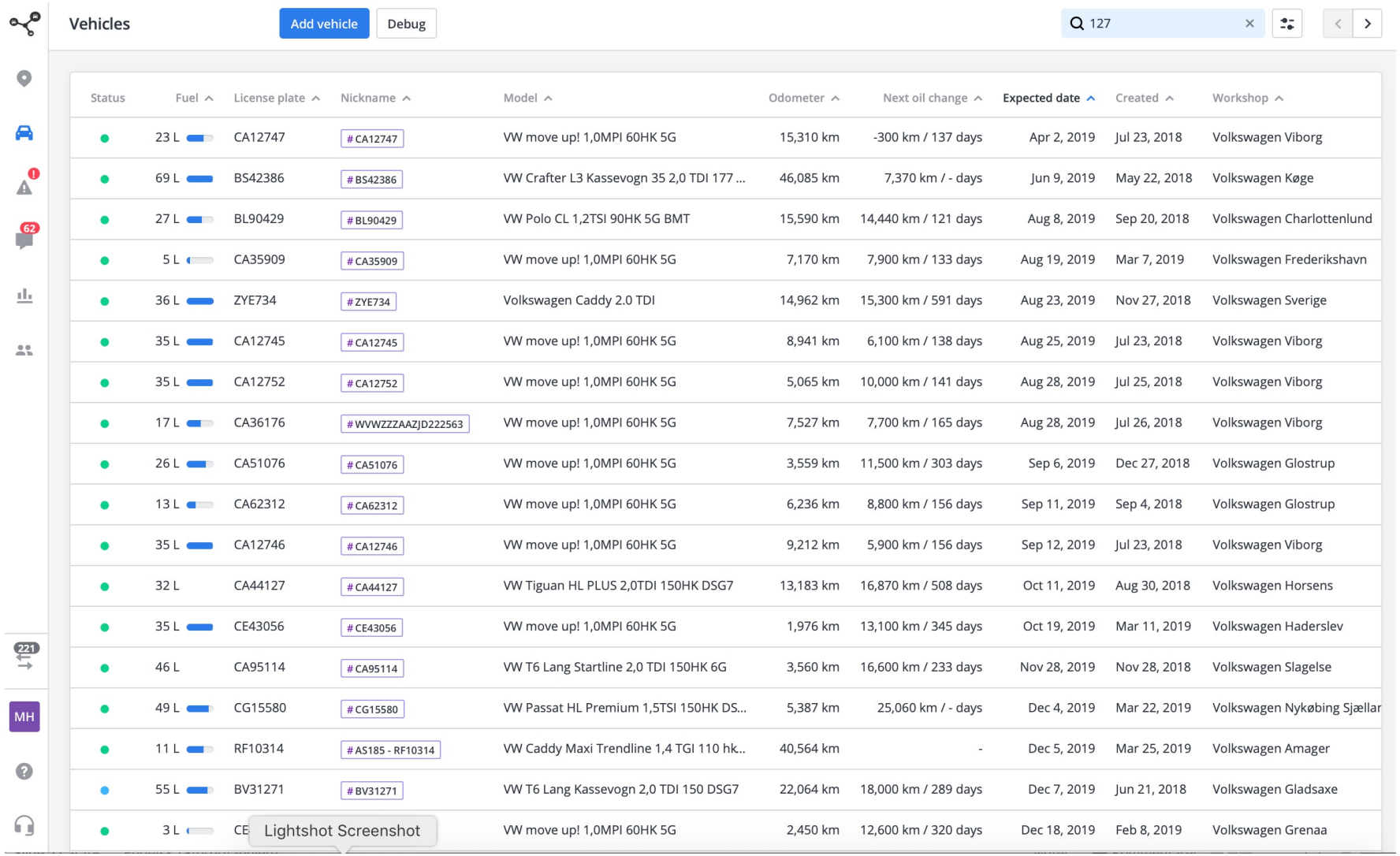
Trip log tagging



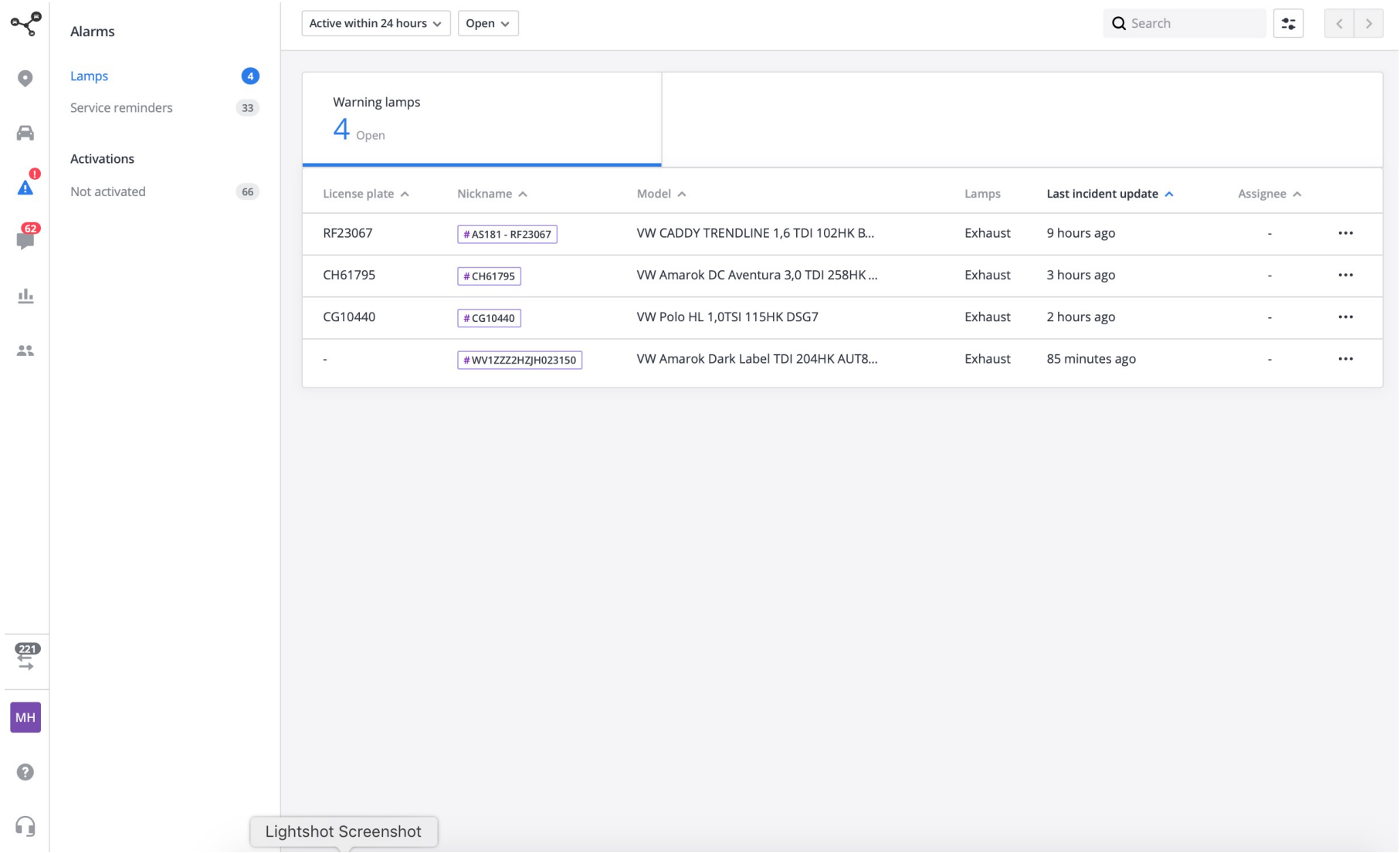
Screenshot: Export trips



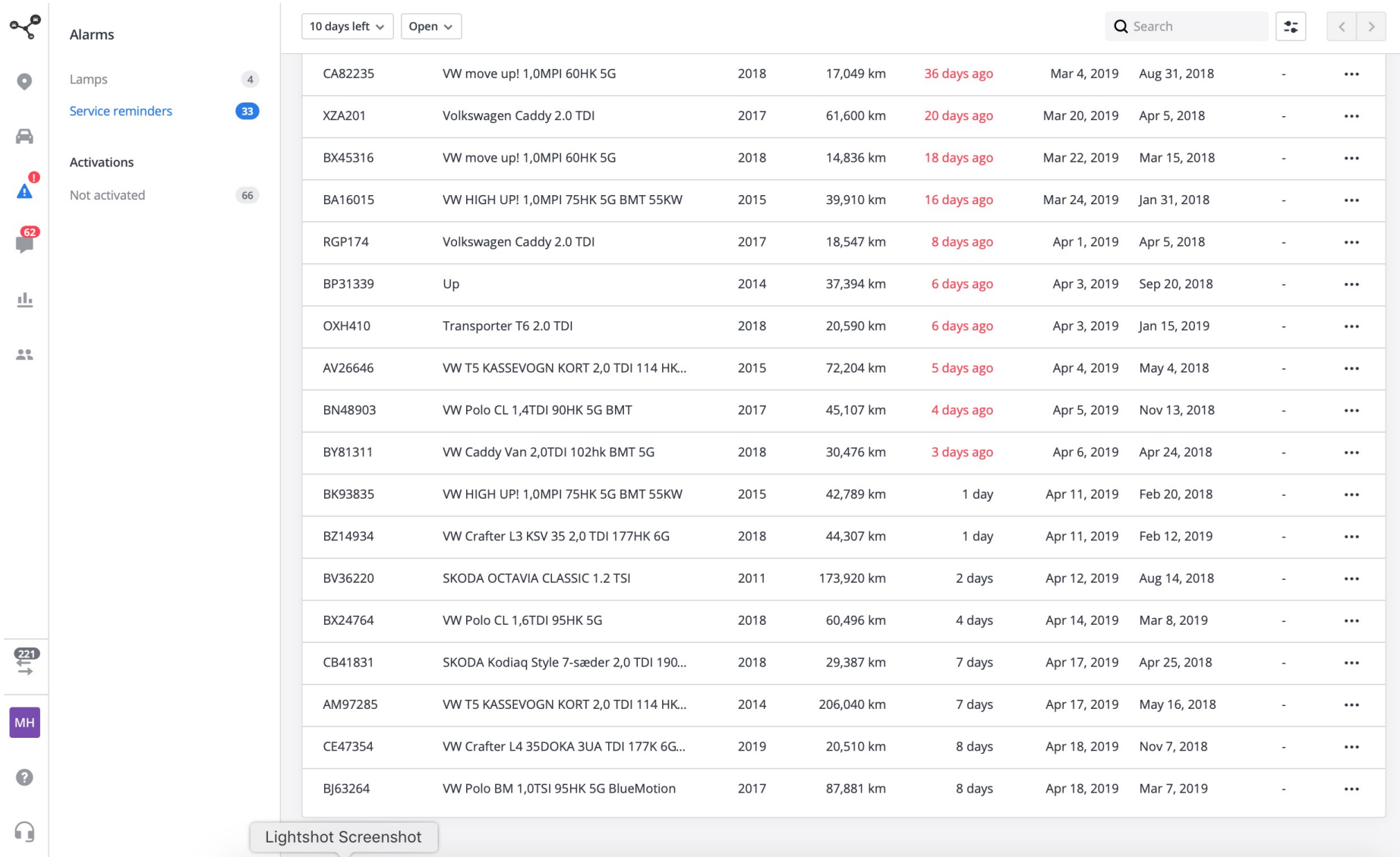
Screenshot: Vehicle list



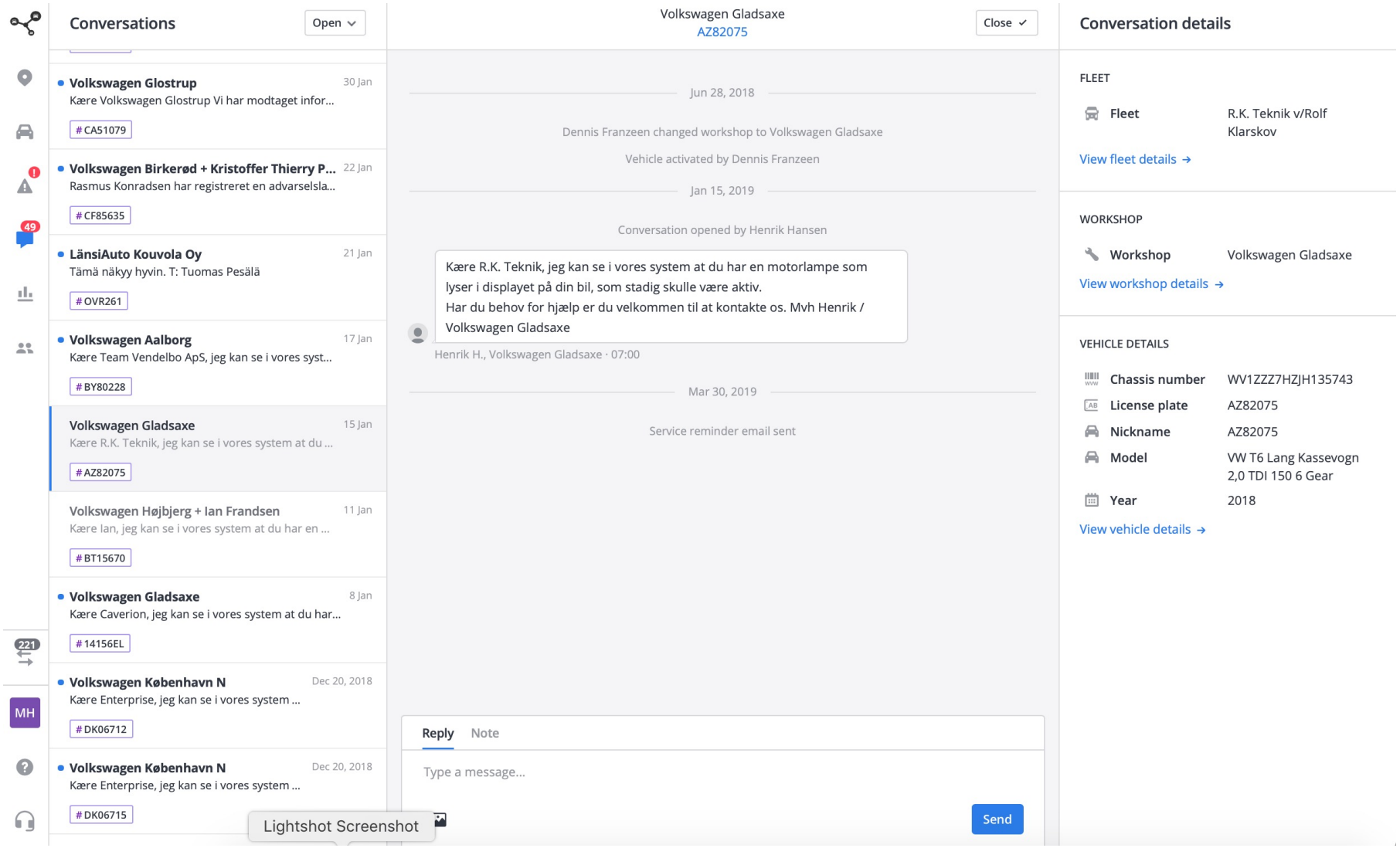
Screenshot: Warning lamps



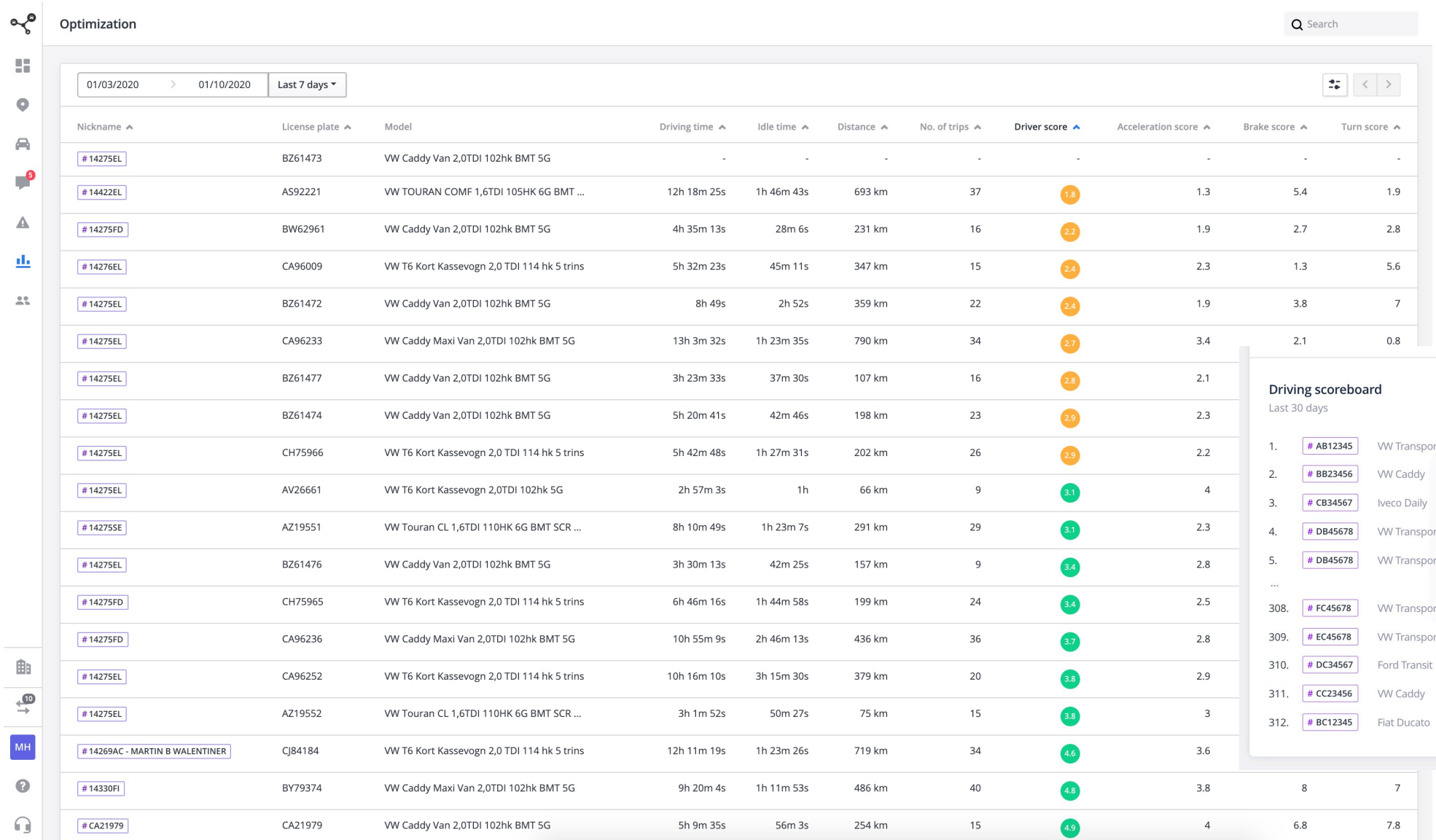
Screenshot: Service reminders



Screenshot: Chat with your workshop

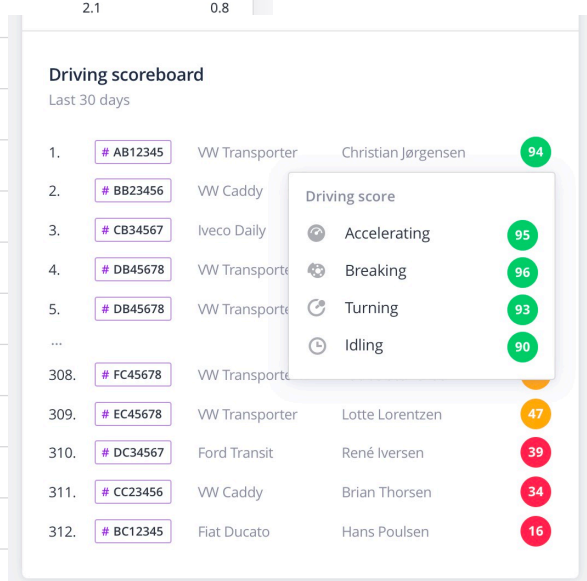


Screenshot: Optimization (Driver behaviour)

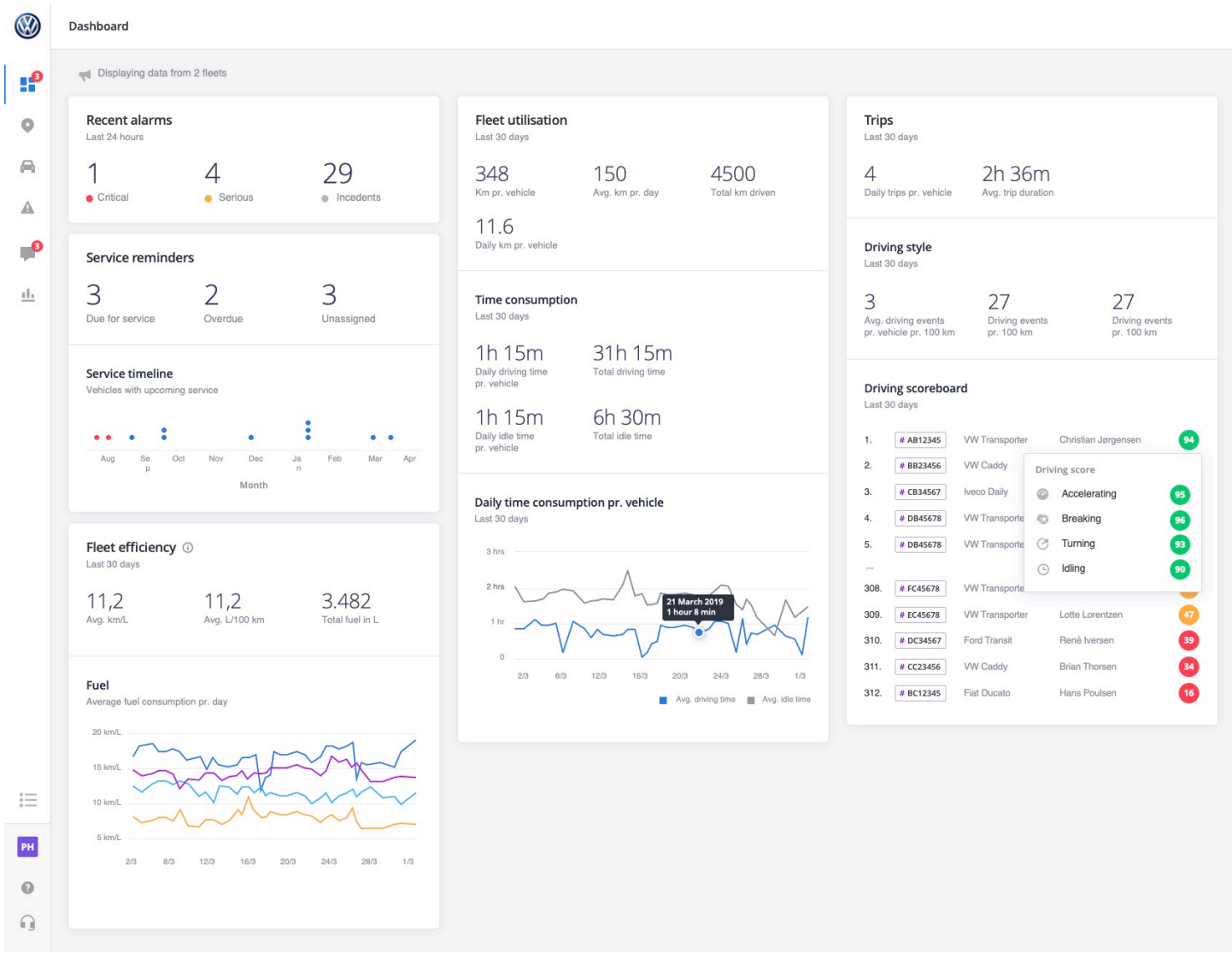


Nickname	License plate	Model	Driving time	Idle time	Distance	No. of trips	Driver score	Acceleration score	Brake score	Turn score
# 14275EL	BZ61473	VW Caddy Van 2,0TDI 102hk BMT 5G	-	-	-	-	-	-	-	-
# 14422EL	AS92221	VW TOURAN COMF 1,6TDI 105HK 6G BMT ...	12h 18m 25s	1h 46m 43s	693 km	37	1.8	1.3	5.4	1.9
# 14275FD	BW62961	VW Caddy Van 2,0TDI 102hk BMT 5G	4h 35m 13s	28m 6s	231 km	16	2.2	1.9	2.7	2.8
# 14276EL	CA96009	VW T6 Kort Kassevogn 2,0 TDI 114 hk 5 trins	5h 32m 23s	45m 11s	347 km	15	2.4	2.3	1.3	5.6
# 14275EL	BZ61472	VW Caddy Van 2,0TDI 102hk BMT 5G	8h 49s	2h 52s	359 km	22	2.4	1.9	3.8	7
# 14275EL	CA96233	VW Caddy Maxi Van 2,0TDI 102hk BMT 5G	13h 3m 32s	1h 23m 35s	790 km	34	2.7	3.4	2.1	0.8
# 14275EL	BZ61477	VW Caddy Van 2,0TDI 102hk BMT 5G	3h 23m 33s	37m 30s	107 km	16	2.8	2.1		
# 14275EL	BZ61474	VW Caddy Van 2,0TDI 102hk BMT 5G	5h 20m 41s	42m 46s	198 km	23	2.9	2.3		
# 14275EL	CH75966	VW T6 Kort Kassevogn 2,0 TDI 114 hk 5 trins	5h 42m 48s	1h 27m 31s	202 km	26	2.9	2.2		
# 14275EL	AV26661	VW T6 Kort Kassevogn 2,0TDI 102hk 5G	2h 57m 3s	1h	66 km	9	3.1	4		
# 14275SE	AZ19551	VW Touran CL 1,6TDI 110HK 6G BMT SCR ...	8h 10m 49s	1h 23m 7s	291 km	29	3.1	2.3		
# 14275EL	BZ61476	VW Caddy Van 2,0TDI 102hk BMT 5G	3h 30m 13s	42m 25s	157 km	9	3.4	2.8		
# 14275FD	CH75965	VW T6 Kort Kassevogn 2,0 TDI 114 hk 5 trins	6h 46m 16s	1h 44m 58s	199 km	24	3.4	2.5		
# 14275FD	CA96236	VW Caddy Maxi Van 2,0TDI 102hk BMT 5G	10h 55m 9s	2h 46m 13s	436 km	36	3.7	2.8		
# 14275EL	CA96252	VW T6 Kort Kassevogn 2,0 TDI 114 hk 5 trins	10h 16m 10s	3h 15m 30s	379 km	20	3.8	2.9		
# 14275EL	AZ19552	VW Touran CL 1,6TDI 110HK 6G BMT SCR ...	3h 1m 52s	50m 27s	75 km	15	3.8	3		
# 14269AC - MARTIN B WALENTINER	CJ84184	VW T6 Kort Kassevogn 2,0 TDI 114 hk 5 trins	12h 11m 19s	1h 23m 26s	719 km	34	4.6	3.6		
# 14330FI	BY79374	VW Caddy Maxi Van 2,0TDI 102hk BMT 5G	9h 20m 4s	1h 11m 53s	486 km	40	4.8	3.8	8	7
# CA21979	CA21979	VW Caddy Van 2,0TDI 102hk BMT 5G	5h 9m 35s	56m 3s	254 km	15	4.9	4	6.8	7.8

From dashboard



Screenshot: Dashboard

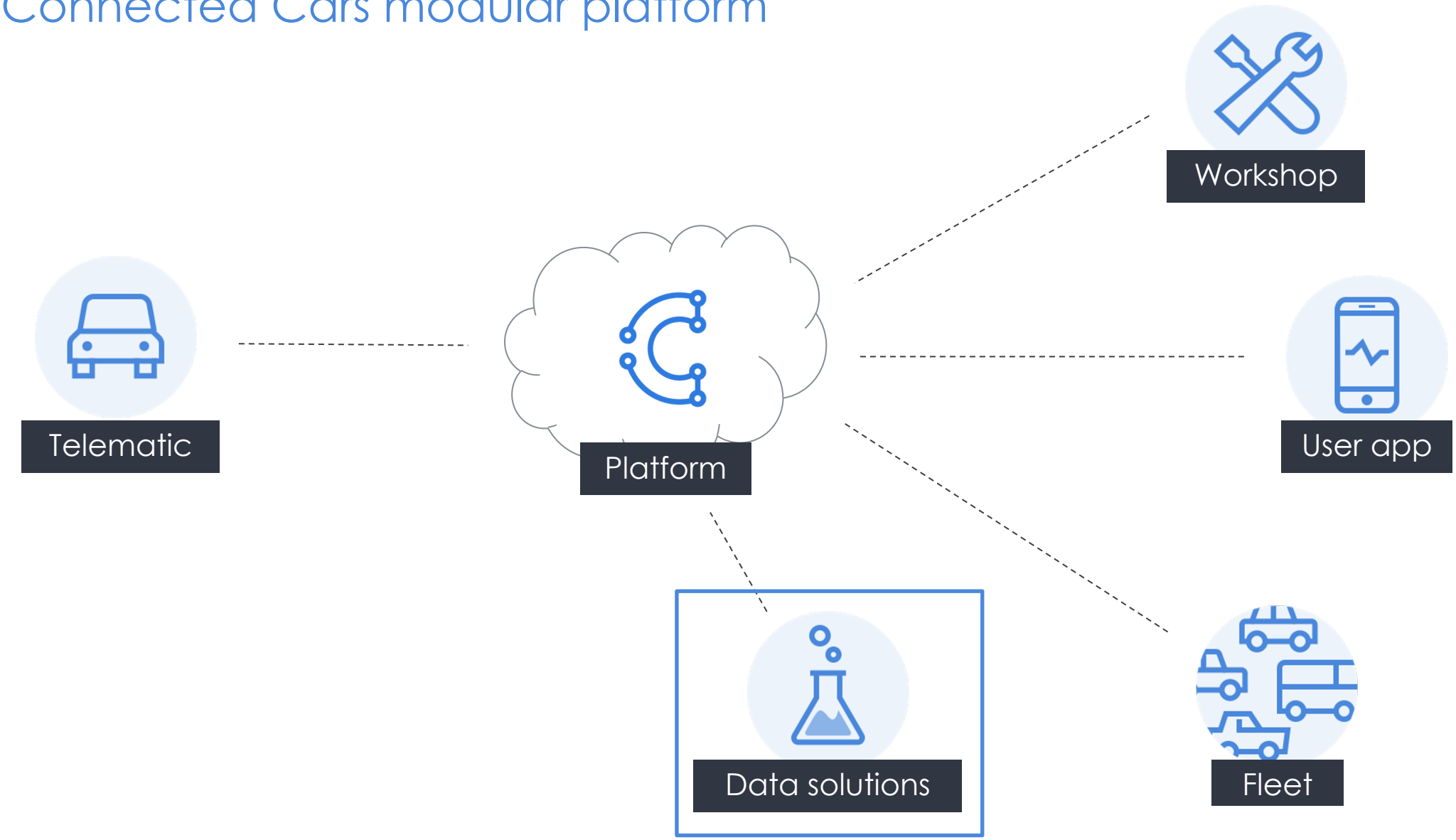


Products

Connected Cars Data Science / API

Confidential and proprietary | Connected Cars A/S | www.connectedcars.io

Connected Cars modular platform



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Connected Cars Data Science / API

Core functionalities / benefits

Fully documented API's	→ Easy integrations to other platforms, fleet systems
Build integrations to 3rd parties	→ for app partnerships
Build integrations to other clouds	→ if a customer has only bought out HW + Platform, and no frontend
Predictive maintenance analysis	→ Build predictive maintenance functionalities for Fleet, Workshop and app
Constant data quality reporting	→ to spot abnormalities immediately

Data scientist solutions on request for customers:

Traffic analytics	→ Analyse traffic patterns for the government
Insurance algorithms	→ Enrich the insurance companies algorithms