DAIMLER TRUCK

Daimler Buses











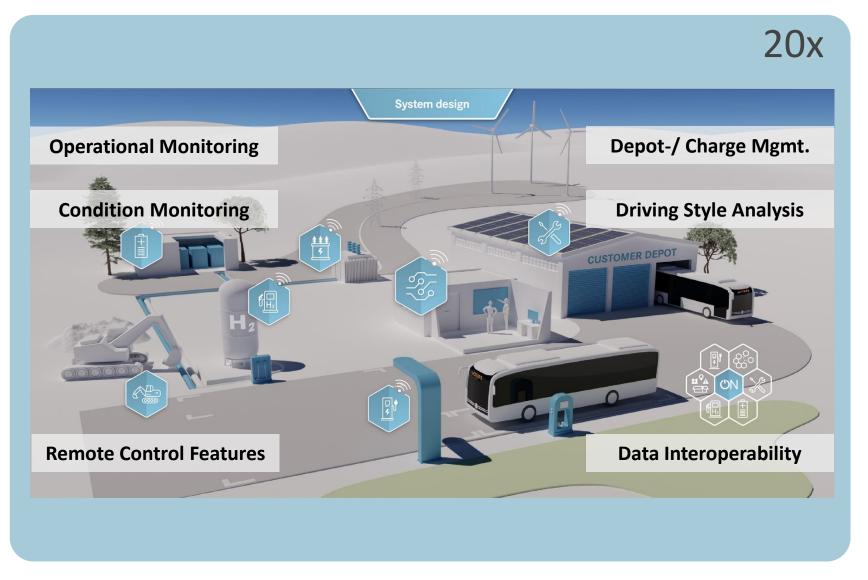
Daimler Truck & Buses vision



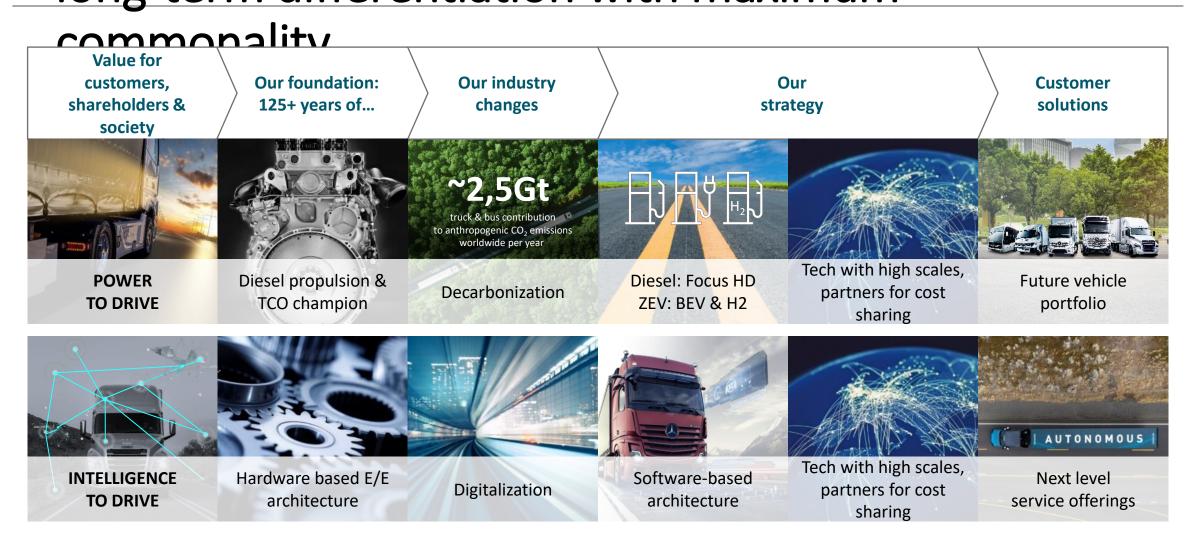
Daimler Buses brands have a long and proud history, but now we're moving to fully connected ecosystems







The big picture: Daimler Truck & Bus technology strategy focuses on long-term differentiation with maximum



from 2024 2024 2030 **CUSTOMER VALUE** Set the industry benchmark with digital human-machine interface **CREATING** Stay best in class (HMI) in active safety **APPLICATIONS** Boost digital services with connectivity Deploy software-only **CREATING SCALE ROLL-OUT FOR ALL BRANDS** features over the air **OPERATING** First steps to decouple software from hardware **SYSTEM HARDWARE** Bandwidth and CPU upgrade for 202x

The connected bus ecosystem unleashes the full potential of future mobility for our customers and it is about collaboration and partnerships. Operating plan Collaboration **Partnerships** Service & Aftersales infrastructure **Cyber Security Standardization & API's** Battery technology Power supply IT-system & **Data Protection Trust**



Keynote Digital Operational Excellence via Telematics | Philip Janouch | Busworld 2023



- Johanna Tzanidaki
- ERTICO ITS Europe, Chief Innovations Officer
- Moderator





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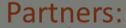
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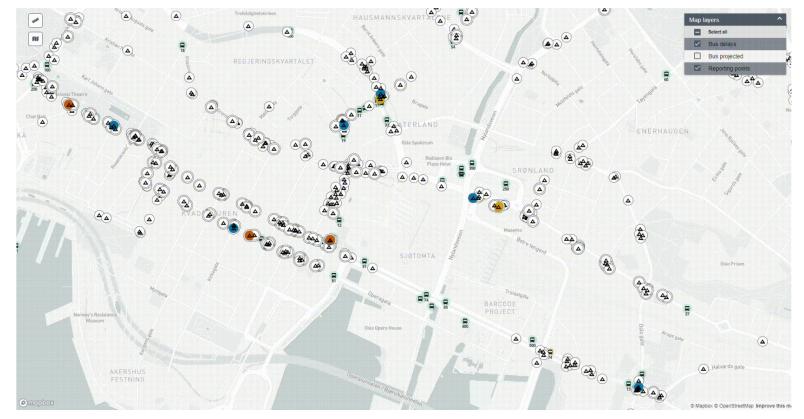








The Impact of Dynamic Bus Priority systems on Public Transport Service levels and mobility network performance





Oslo city centre Dynamic Bus Priority operator overview

Technolution



Prioritize based on:

Vehicle classification Static

• Busline priority Static

Real-time delay Dynamic

• Vehicle occupancy Dynamic

Some evaluation metrics from Copenhagen, Ballerup, Albertslund (DE)

Rush hour delay reduction	Up to 24%
Delay reduction outside of rush hour	Up to 28%
Avg. time reduction at intersections	Up to 30 seconds
Vehicle queue lengths	No impact



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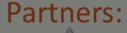
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Depot charging

Main use case for bus fleets

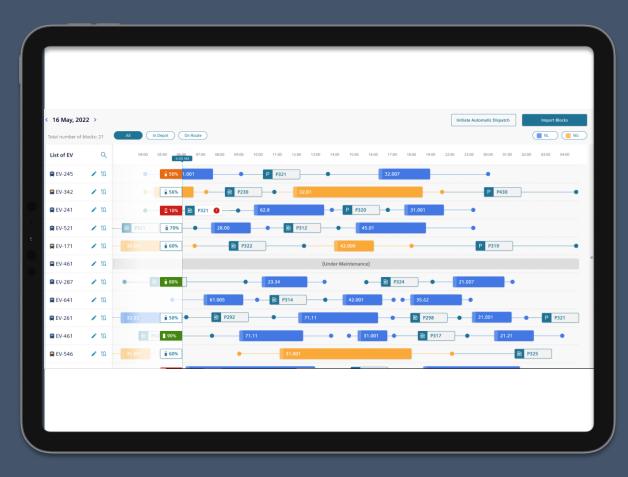


From Analog to Digital Why digitalization supercharges your depot's

profitability

	14	un-Out			Yardman:	
6/04/2023	51-1	Time	Start	Route	ſ	Time In
Running Duty Number Num	Fleet ber Number	Out 03:56	HB	45	08:01 -3%	08:13
112 RS1			НВ	38		09:43
107 RS1	02 3589	04:28	НВ	45	09:35 -23%	10:17
811 RS	103 2541	04:56	RT	38	4,55	10:28
39 RS	6351	05:13				11:02
57 R	S105 1702	05:28			10:38 -32%	11:36
87 R	s106 2356	05:56				08:13
112 F	RS101 2613	03:5				09:43
107	RS102 3589	04:2		10		10:17
811	RS103 2541	04:	56	ПО	38	10:28
39	RS104 6351	05	:13	Ki		11:02
57	RS105 1702	05	5:28	HU	38	11:36
87	RS106 2356	0	5:56	HB	36 10:38 -3	12%







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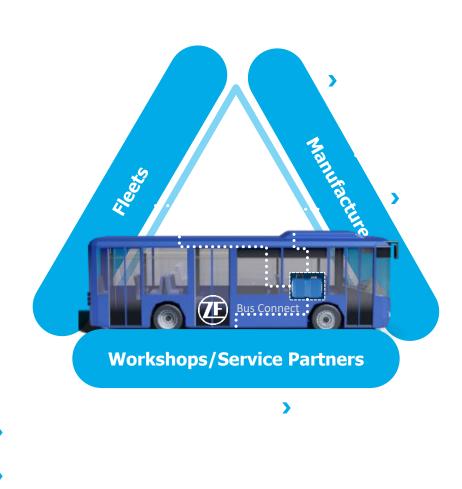






Solution Characteristics

- IoT platform with web and mobile applications
- User- and use-case centric "Software as a Service"
- Data, analytics and unique vehicle knowledge
- Industry and quality standards compliant: ISO 9001, IPxPT, ...
- Automotive grade hardware and vehicle integration
- Secure, scalable, reliable and available



ZF 537 Assets and Values

- Trusted partner in the automotive and transportation landscape
- Independent
- Quality in our DNA
- Global company footprint
- Over a hundred years of vehicle and transport solutions knowledge and experience

Built the ZF 537 way:

- Passionate
- Empowered
- Anticipating