Smart Mobility in Dresden
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Julia Keller, Dresdner Verkehrsbetriebe AG
Public transport company DVB in figures (2018)

**Ridership**
- passengers p.a.: 163,2 Million
- growth on last year: positive

**Economic data**
- turnover: 149,2 Million €
- cost recovery rate: ~ 80 %

**Employees**
- 1,860
- 87 DVB

**Trainees**
- 12 tram routes
- 29 bus routes
- 4 ferries
- 1 funicular
- 1 suspended railway

**Routes**
- 213 km tram lines
- 722 stations

**Fleet**
- 166 light rail vehicles (low floor)
- 18 Tatra tram cars (high floor)
- 141 buses (low floor), incl. 17 hybrid buses & 1 electric bus

Wir bewegen Dresden.
The public transport is very popular in Dresden with constant increase in the number of passengers in the last years.

**Modal Split 2013** (Household survey „SrV“ 2013 in Dresden)
DVB and the city of Dresden are still working on a higher quality level of public transport for example with new tram lines.

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<th>Nr.</th>
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<tr>
<td>①</td>
<td>Löbtau – Südvorstadt – Strehlen (61)</td>
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<td>Bühlau – Weißig (61)</td>
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<td>Johannstadt – Plauen (62)</td>
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<td>④</td>
<td>Strehlen – Gruna – Blasewitz (61)</td>
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For increasing the capacities of the public transport DVB will procure 30 new trams in 2021. They will have a wider railcar body for a higher capacity.
DVB is implementing and developing intelligent transportation technologies for ensuring a more reliable and efficient public transport.

Quality based Traffic Light Control

Energy and Fuel Efficient Driving

COSEL – World’s First Driver Advisory System for Tramway Operation

Prioritization of Public Transport regarding Multimodal Traffic Requirements

V2X Communication and Driver Advisory Systems

Process of a delayed tram
With the traffic light quality management system urbic® the Level of Service is closely monitored regarding traffic lights, streets and lines of public transport.
DVB is implementing and developing intelligent transportation technologies for ensuring a more reliable and efficient public transport.

Intelligent Infrastructure

Precise and Reliable Passenger Information Systems

Duplication of Speed at Connected Switches

High Quality of Travel Time Prediction, Information about connecting Services and Vehicle Occupancy
Public transport is going to be more connected with other mobility services in the future. The long-term goal is the reduction of private car ownership in the city.
The mobility market is developing very dynamic. DVB wants to be the leading mobility provider of Dresden for now and in the future.
The new brand MOBI will make multimodal mobility services visible, bookable and usable.
Until 2022 more than 50 new mobility hubs are going to be implemented. 48 mobility hubs will have public charging infrastructure with 150 kW.
DVB is currently procuring a public bike rental system for the integrating in the public transport and for offering another mobility service.

- Start planned in 2020
- 1,000 bikes for the first expansion level
- Further expansion levels with more bikes, pedelecs and cargo bikes possible
- Customers with an annual subscription: 30 minutes of free use
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