Innotrans 2018 Recap
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APTA Streetcar Subcommittee
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Overview

Innotrans is the rail transport industry’s largest trade fair, held bi-annually in Berlin

› Four days, with outdoor exhibits held over for the weekend for public display
› 3,062 exhibitors representing 60 countries
› 155 vehicles on outdoor display
› 161,157 visitors representing 149 countries
APTA at Innotrans

Trams at Innotrans

Siemens Avenio for Ulm, Germany

› 100% low-floor
› 5 module, 3 truck
› 31.5 m
› 2.4 m width
› Uni-directional
› Aluminum carshell
Trams at Innotrans

Skoda tram for Chemnitz, Germany

- 100% low-floor
- 5 module, 3 truck
- 31.4 m
- 2.65 m width
- Bi-directional
- Stainless Steel carshell
Trams at Innotrans

Skoda tram for Chemnitz, Germany. Interior
Trams at Innotrans

Durmazlar Silkworm tram for Bursa, Turkey

› 100% low-floor
› 5 module, 3 truck
› 29 m
› 2.45 m width
› Bi-directional
Trams at Innotrans

“Lionet” low-floor bogie tram for Russian market. 16.5m length by PC Transport, Russia. Autonomous operation demonstration project announced 2019.
Trams at Innotrans

“Lionet” low-floor bogie tram for Russian market. 16.5m length by PK Transport, Russia.
Trams at Innotrans

“Lionet” low-floor bogie tram for Russian market. 16.5m length by PK Transport, Russia. Fully low-floor, although bogie boxes narrow the aisle.
Trams at Innotrans- Driver’s Cabs

Master controller and/or frequently used controls installed in armrest of driver’s seat.
Innotrans 2018 Technology Highlights

Permanent Magnet motors

Sensor technology for vehicle subsystem monitoring
Innotrans 2018 Technology Highlights

Hyundai Rotem steerable bogie for 15 m curves (virtual demo)

Alstom APTIS electric bus technology w/ four steerable wheels
Siemens autonomous tram demonstration on Potsdam tram system
Innotrans 2018 Technology Highlights

Siemens autonomous tram demonstration on Potsdam tram system
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Gunzberger work platform gap fillers
Innotrans 2018 Technology Highlights

First railcar from Chinese carbuilder at Innotrans. CRRC concept metro car- carbon fiber carshell and truck frames.
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Stadler driverless metro car for Glasgow Underground
Innotrans 2018 Technology Highlights

Stadler driverless metro car for Glasgow Underground
Next Innotrans: 2020