

NEW SERVICES COMBINING TELEMATICS AND ELECTRO MOBILITY



Magnus Broback, Director City Mobility Volvo Buses



Telematics- Fleet Management

Volvo Trucks Dynafleet Services

**Fuel &
Environment**



Driver times



Positioning



Messaging



Telematics - Volvo Trucks I-see

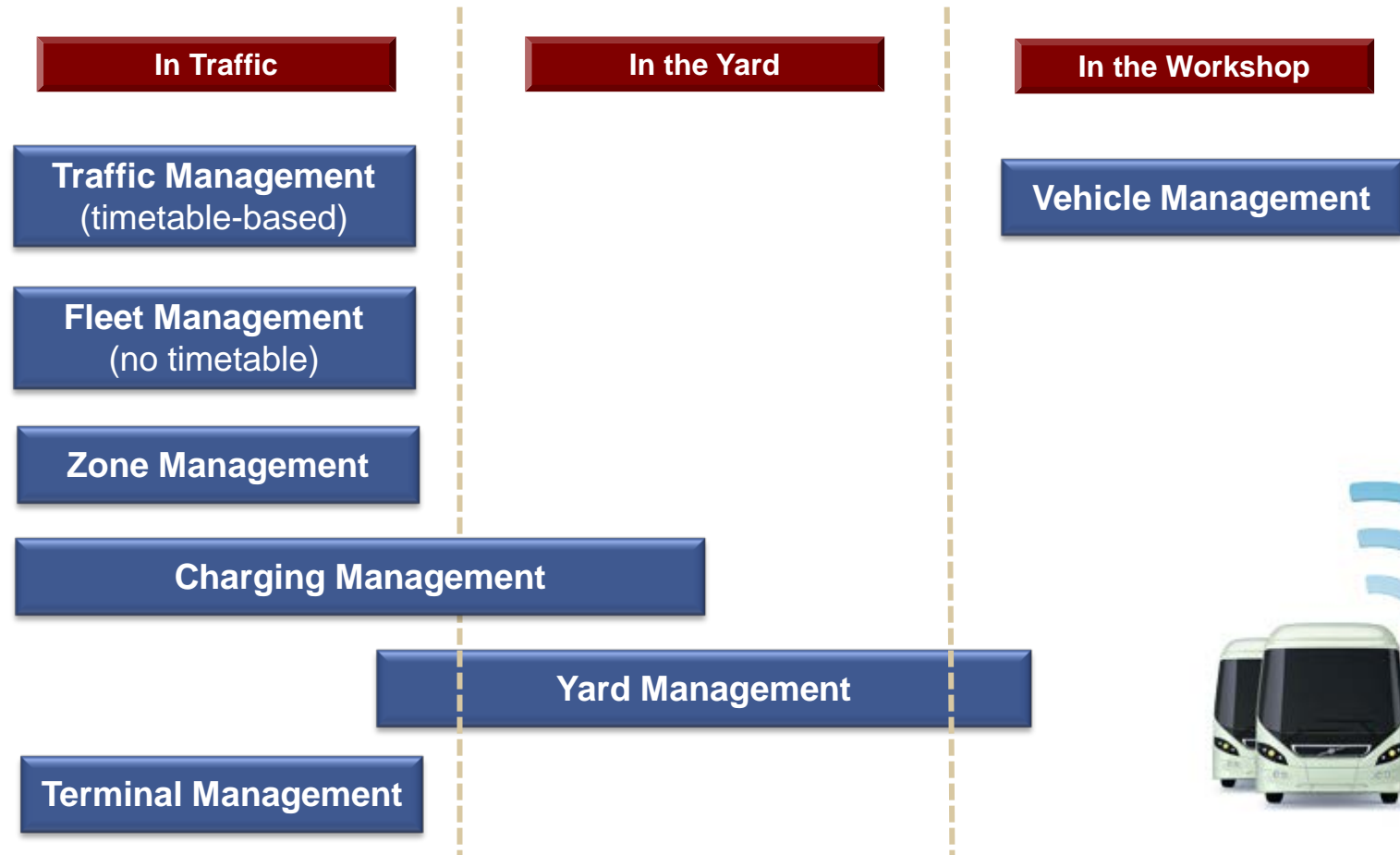
“Now every road is worth remembering.”



Combine I-Shift and the GPS with an intelligent cruise control, and you get I-See.

Volvo Buses' Telematics Solutions

Following the Bus along the Day



A complete product offer of electrified buses

Hybrid buses



- 30-40% fuel reduction
- Silent take-off
- 40 % lower on road emissions
- Improved passenger capacity

Electric hybrid



- 75% fuel and 60 % energy reduction
- Electrical drive 70 % of route
- Silent
- 75% CO₂ reduction*
- Charging 6 min at end stations

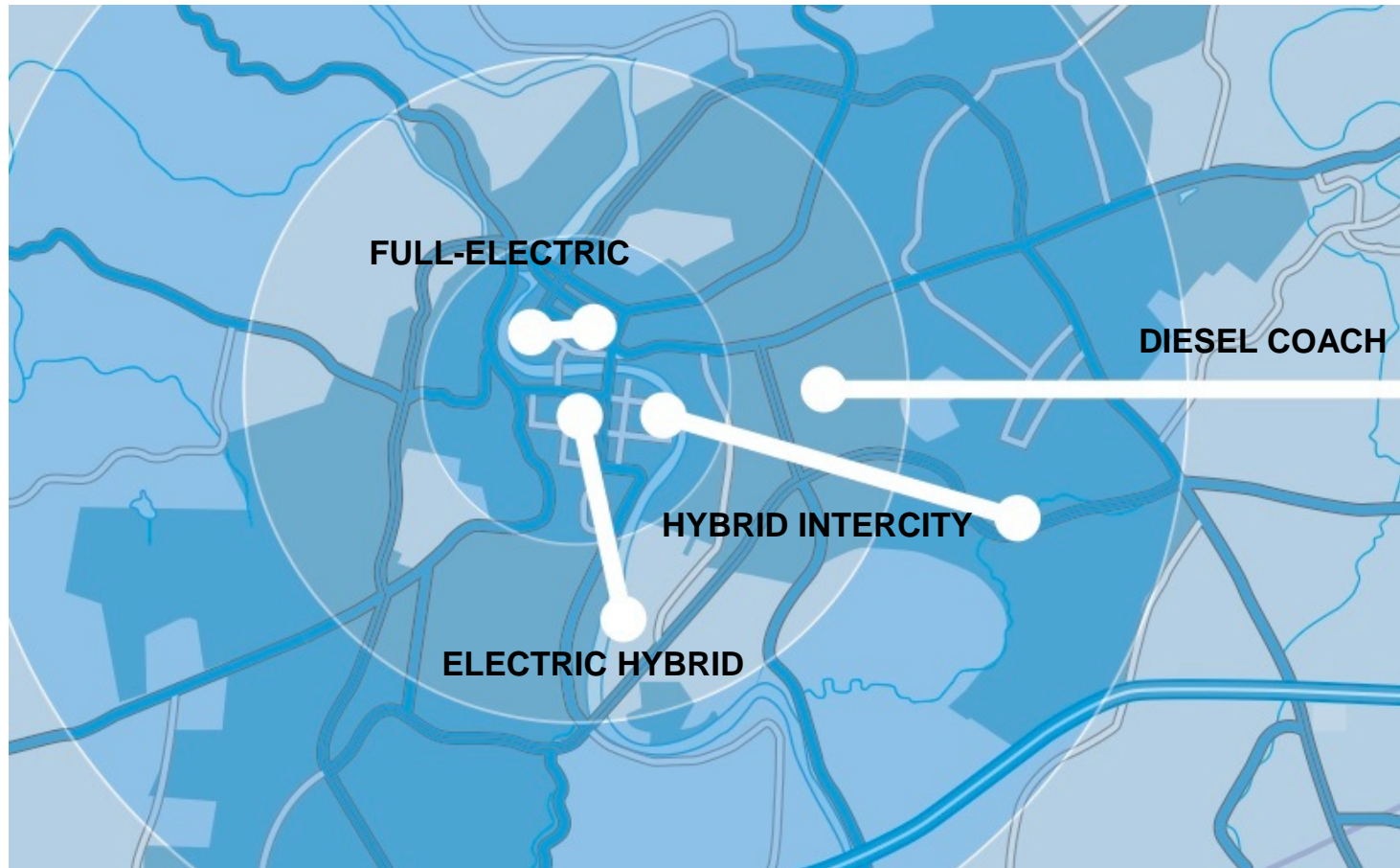
Electric buses



- 80 % energy reduction
- Electrical drive 100 % of route
- Silent
- Minimum local exhaust emissions
- 100 % CO₂ reduction*
- Charging 6 min at end stations

From hybrid to electric

- different levels of electrification in the city



Telematics & e-mobility

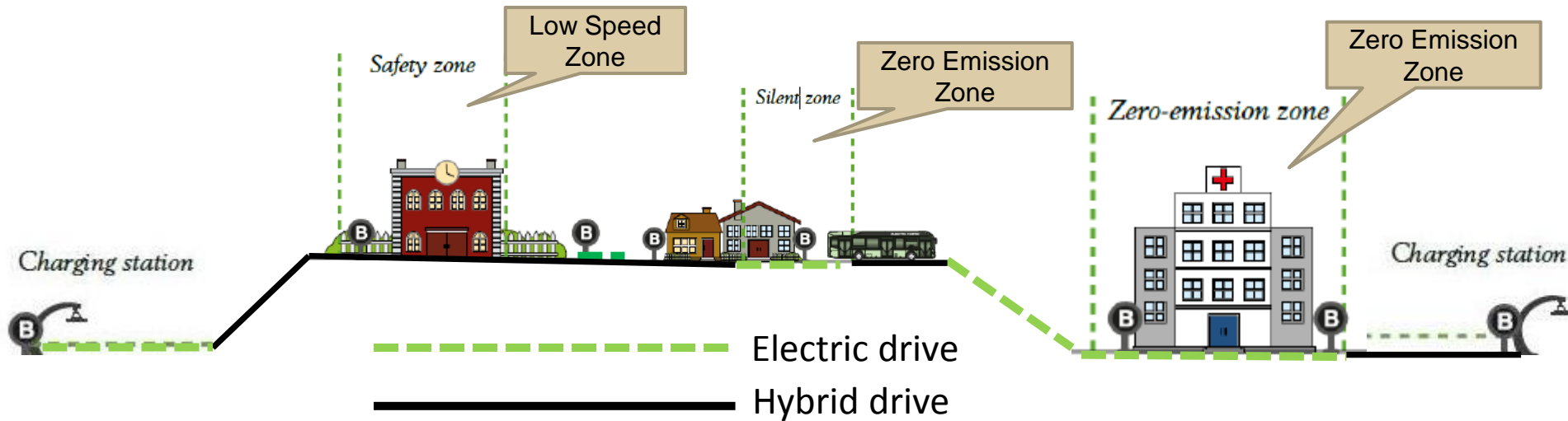
Zone Management

Terminal

School

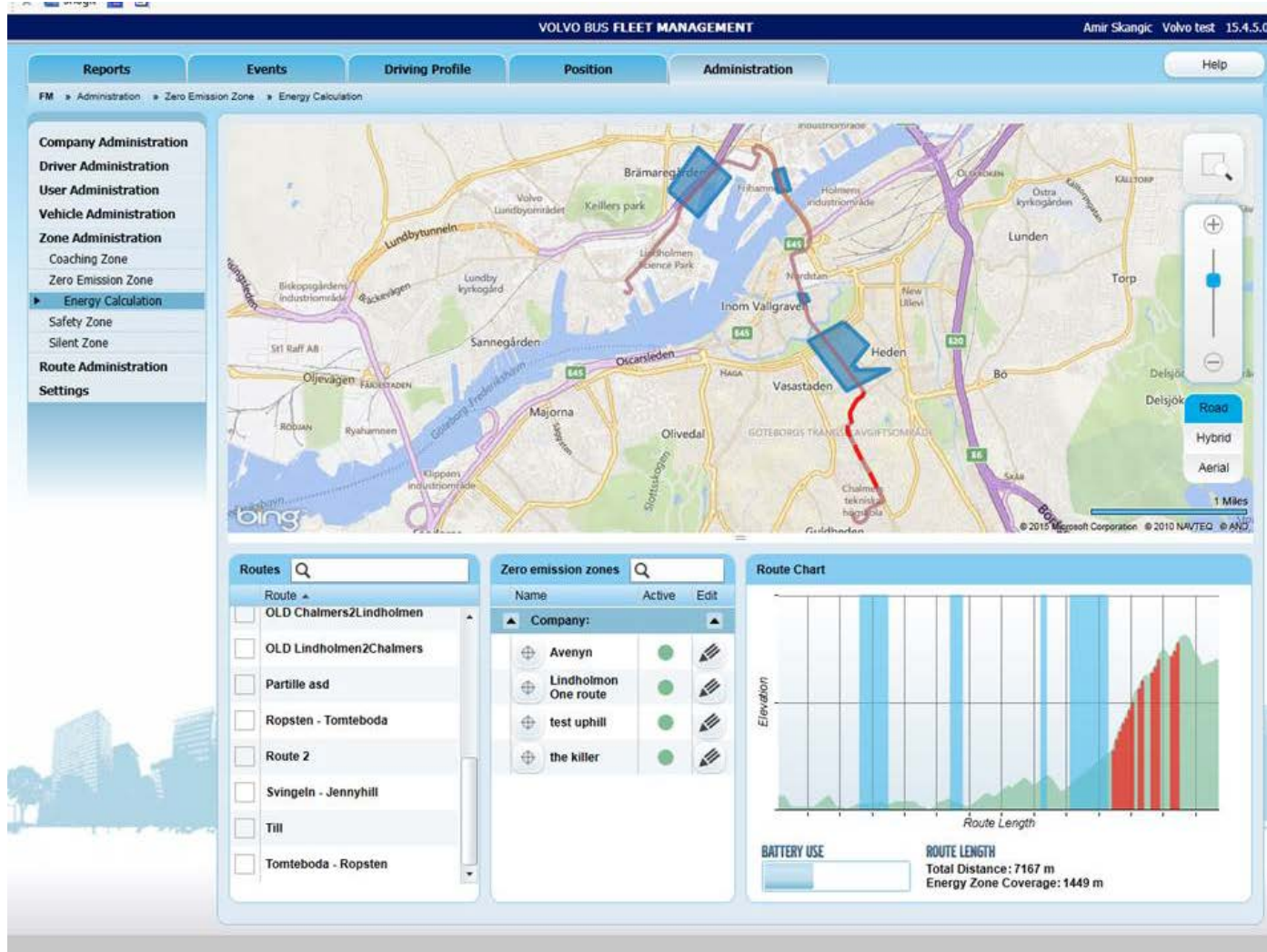
Residential Area

City Centre

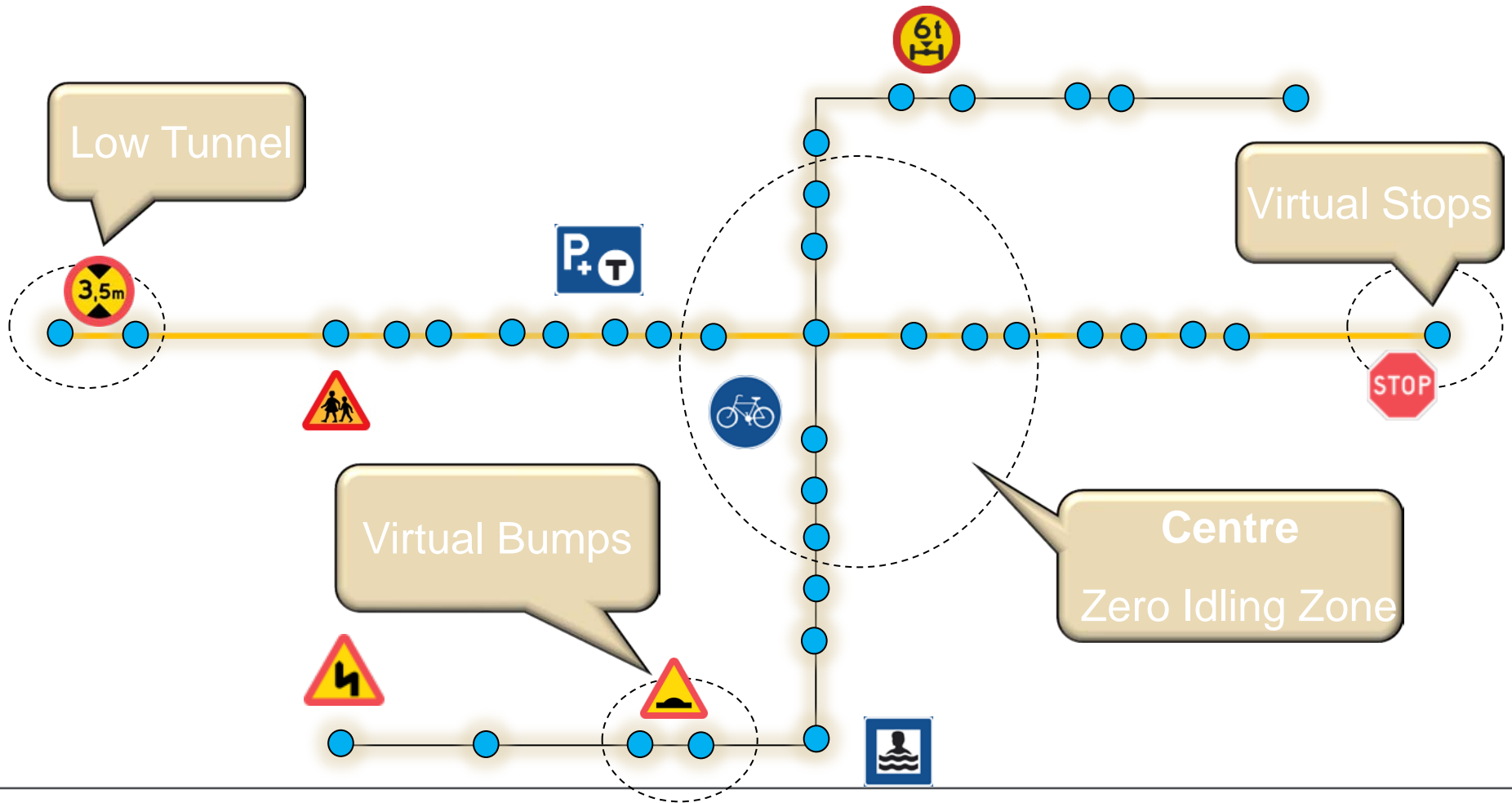


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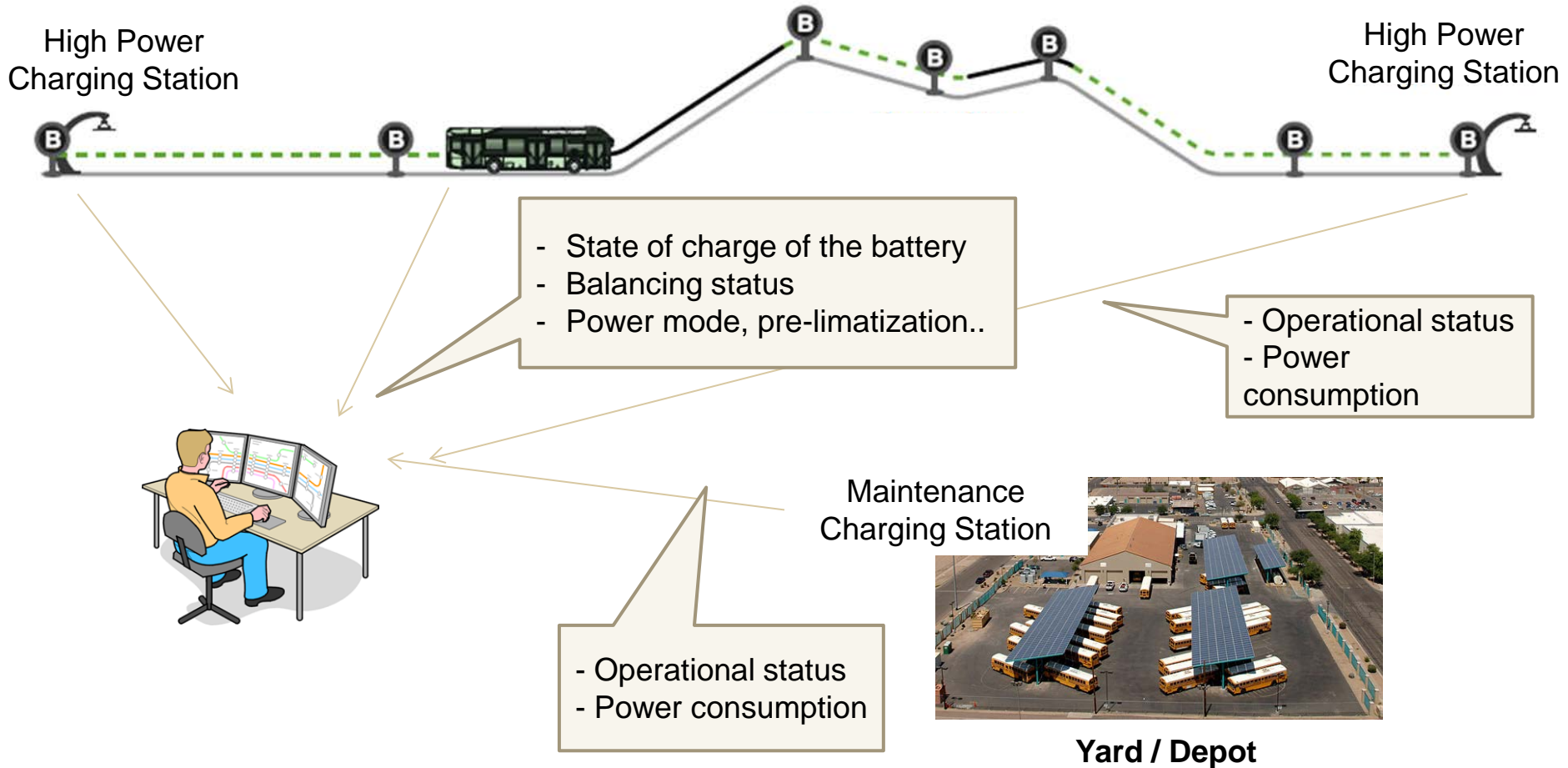
Zone Management



Zone Management - Looking Forward

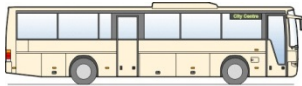


Charging Management



Yard Management

Reception



Right allocation of the bus when returning to the depot:
slow charging,
(balancing), fast
charging,
service/maintenance

In the Yard



Yard/Depot

Active monitoring of
vehicle position and
charging station status
within the depot

Dispatching



Right bus dispatching
in terms of vehicle
type, autonomy,
regeneration,
service/maintenance
... for the planned
routes/blocks

