



# The Volvo Group 2011

AB Volvo

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**VOLVO**

# Welcome to Volvo Group

Volvo Group is one of the world's leading suppliers of transport solutions for commercial use.

We also provide complete solutions for financing and service.



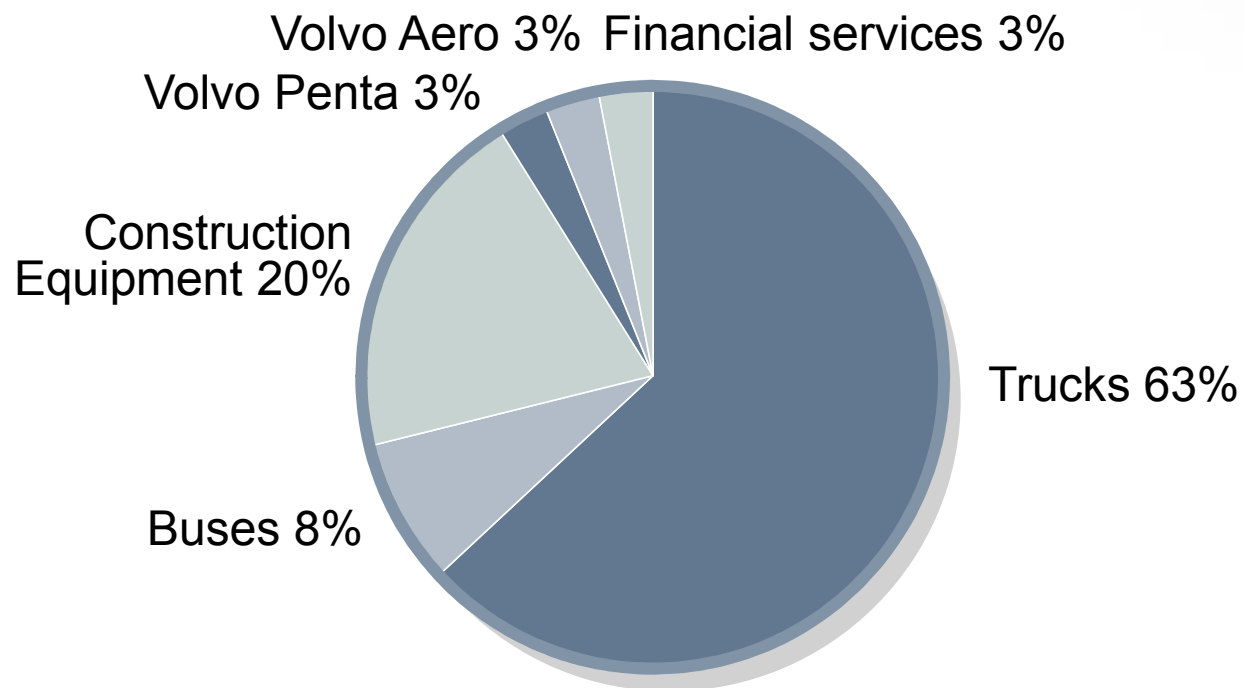
# Segments



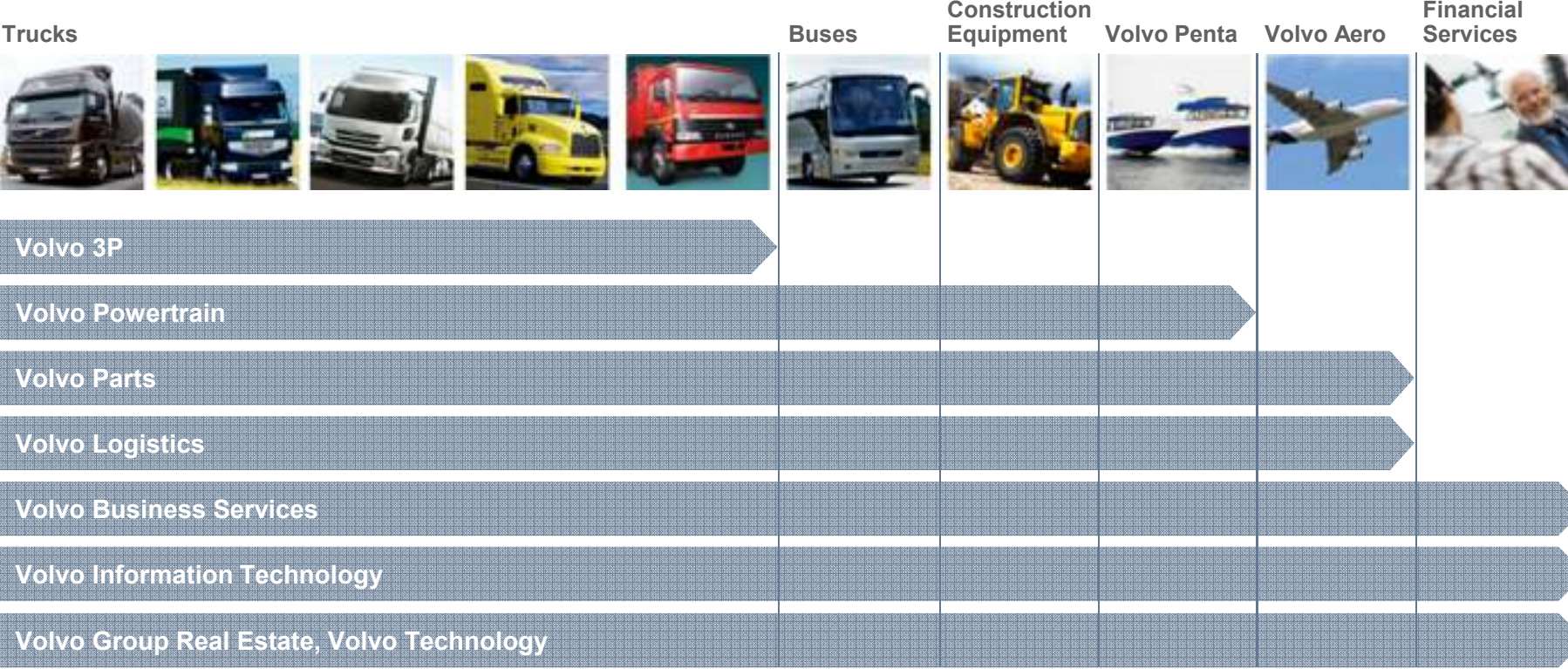
\*) 50% of the joint-venture company with Eicher Motor Limited was consolidated in the Volvo Group from August 1st 2008

# Segments 2010

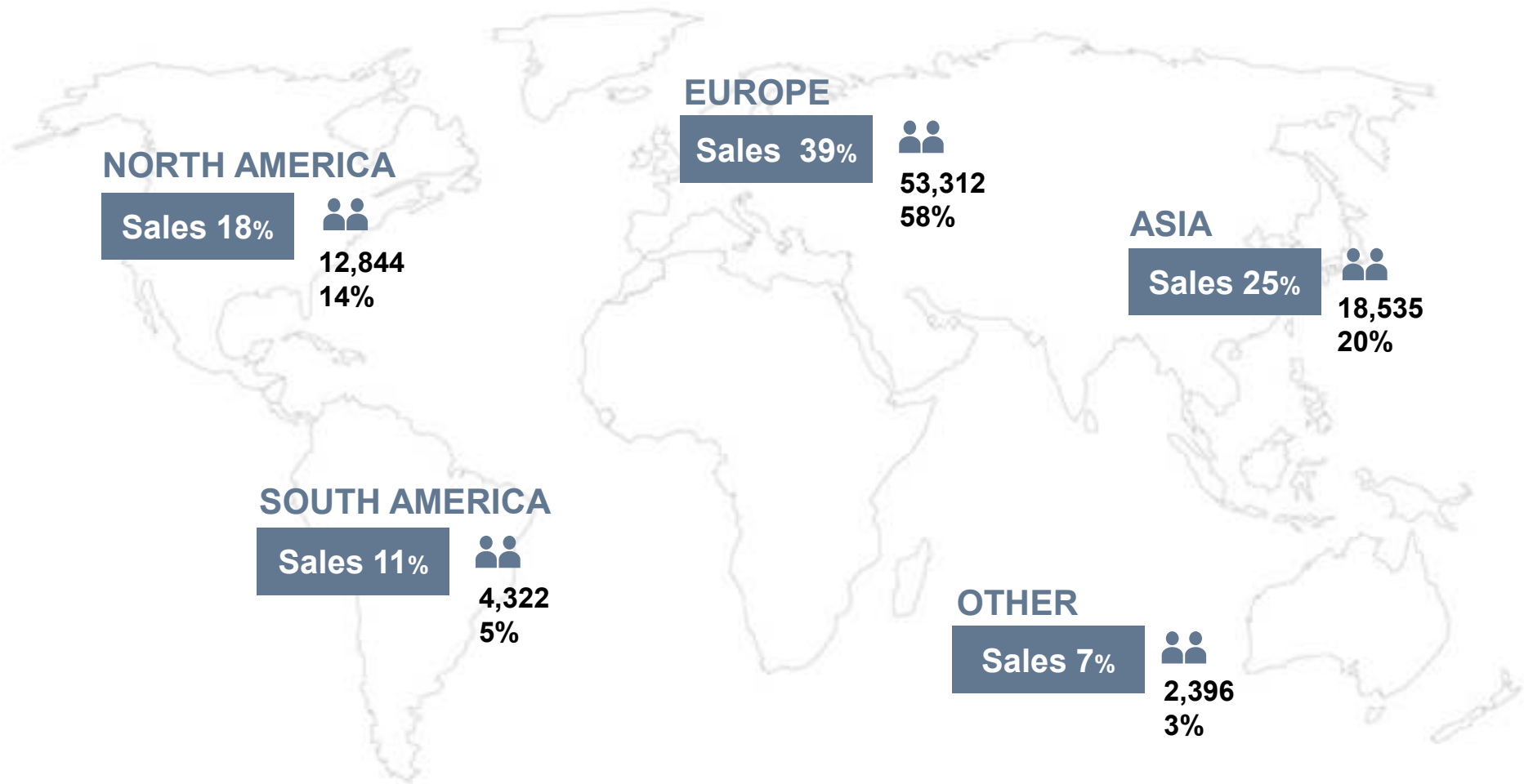
Total Sales: SEK 265 bn



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# Sales and Employees Worldwide 2010

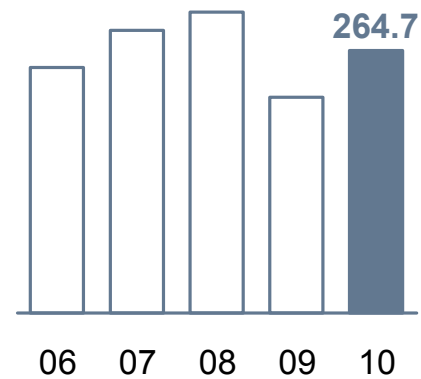


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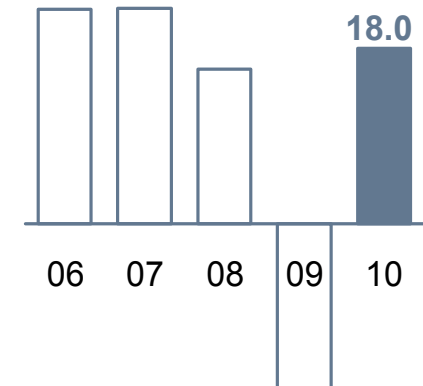
## Financial Performance 2010, SEK bn



### Net Sales



### Operating income



# Electro mobility leaders in the Volvo Group

- Volvo Bus
  - Sunwin
  - AE plug-in
- Renault truck
  - Maxity
  - AE Plug-in
- Penta
  - AE electric boat
- Total R&D portfolio ~50 projects





# Electro mobility at Volvo Bus

- Hybrid buses
- Plug-in hybrid buses
- Fully electric buses

Driving distance with 5 l diesel or equivalent energy

Diesel 10 Km

Alt fuel 7,7 Km

Hybrid 14.2 Km

Plug-in Hybrid 25 Km

Full electric (Normal bus) 34 Km



# Plug-in City Bus

- Average distance 15-25 km end station to end station
- Time at end stations 5-10 minutes
- Plug-in Bus 15 kWh usefull electric energy.
- Charging power 100-200 kW
- Good business! System payback less than 4 years @ 2014 years estimated component and energy prices



# Volvo and CHAdeMO

- Volvo wants to be a part of CHAdeMO and contribute to the development
- Vehicle voltage 24 V
- System traction voltage 600 V.
- Charging power 250 kW
- Requirements on automated charging =>
  - Different connectors, support both conductive and inductive solutions

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