



#### Alliance Synergies between Nissan Diesel & Volvo

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# Progress of the joint synergy study

- Following Volvo's purchase of 13% of Nissan Diesel in March 21, five joint teams started to study possible synergies.
- On September 25, 2006, Volvo acquired a further 6% of the <u>shares</u> and <u>all</u> <u>outstanding preference shares</u> in Nissan Diesel. If preferential shares converted, Volvo ownership develops as follows:
  - 41.9%\* in April 2008
  - **46.5%**\* in 2014:

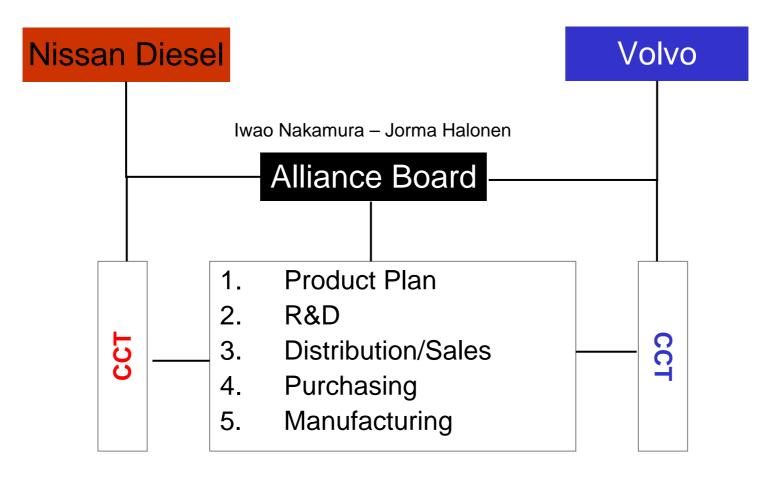
\*Including stock option

- The synergy teams have covered all fields of businesses to create win-win scenarios and respecting each others company culture, brand and identity.
- The synergy work has progressed well with high speed and good spirit in the groups.





#### **Governance structure**







# **Summary of the synergies**

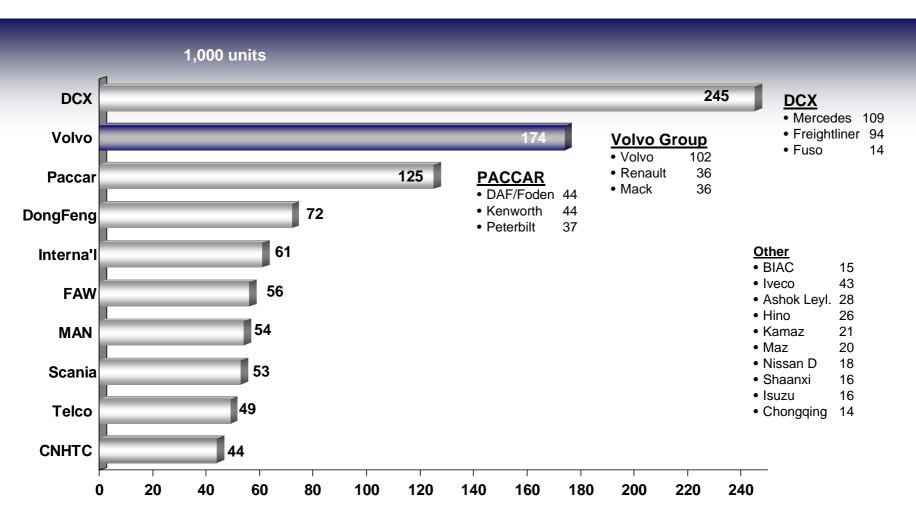
- Total combined possible synergies between Nissan Diesel and Volvo are today roughly estimated to 200 MEuro in yearly savings, fully implemented on a five years horizon.
- Short and medium term synergies (2-3 years) are expected mainly for Purchasing, Distribution & Sales and partly for R & D.
- More long term synergies (~5 years) are expected for Product Planning, Manufacturing and partly R & D.
- The parties' current assessment is that more than 50% of the synergies will be realized in Nissan Diesel





## **Heavy Duty Truck Market**

**Production 2005** 







# **Purchasing synergies**

Lower cost and maximized returns

- Synergies are identified due to the combined purchasing power and is expected to contribute to quick-wins.
- 40% of the purchasing volumes are targeted for cost saving opportunities. Substantial potential for cost reductions has been identified for Nissan Diesel.
- Identified saving opportunities are based on
  - Leveraging Volvo's volume advantage and platform strategy
  - Emerging market sourcing
  - Change of suppliers to a common supplier network





# Distribution & Sales synergies

More revenue, lower investments and maximized returns

- Volvo intends to utilize Nissan Diesel's strong position in Japan in all possible areas.
- Distribution and sales in China. Nissan Diesel intends to utilize Volvo's network in China.
- Synergies in Aftermarket, Parts & Services: Sharing of best practices between the parties for more profitable returns.
- Nissan Diesel intends to utilize Volvo Financial Services outside Japan.
- Distribution and sales in other South East Asian-markets





# R & D synergies

Lower investments and reduced R&D expenses

- R & D processes: Nissan Diesel intends to introduce Volvo's modular concept for increased efficiency in development.
- Hybrid Electrical Vehicle technology: Joint development would provide a better cost base for environmentally-friendly technology.
- Advanced Engineering: alternative fuels, safety, electrical and electronics and other advanced engineering technologies.
- Possible joint development of engines to meet future emission legislation.





# **Product Planning synergies**

Fully utilize the opportunities from new products and lower investments/R&D expenses

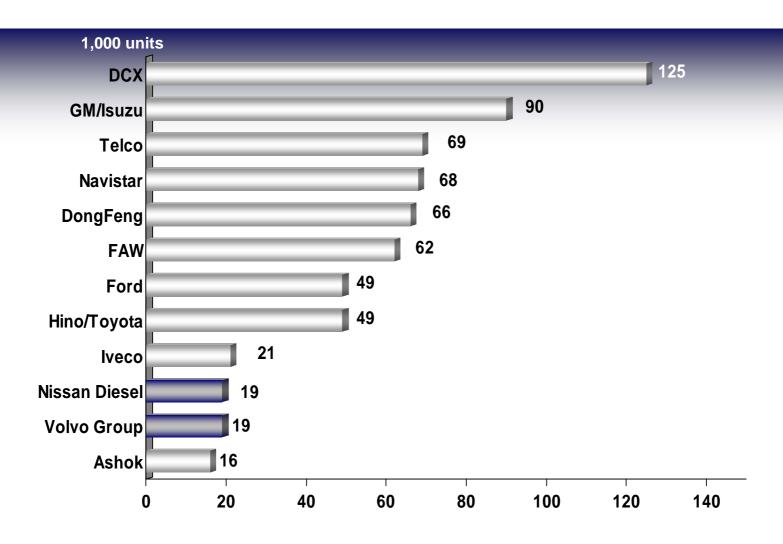
- Harmonization of Nissan Diesel and Volvo heavy duty platforms through the CAST-Concept (Common Architecture Shared Technology) --- Nissan Diesel intends to utilize Volvo's volume based platform as much as possible in order to reduce the investments and R&D expenses
- Shared development of Medium Duty trucks --- Growth opportunities for both companies in the medium-duty truck global market.
- Component sharing:
  - Engines
  - Transmissions
  - Chassis components
  - Electrical and electronics





## **Growth potential in medium duty trucks**

Global market 2005







# **Manufacturing synergies**

Increased efficiency and reduced investment

- Evaluation of production systems
- KPI-comparison of QCD-parameters
- Manufacturing collaboration in Asia





## **Next steps**

#### Activities to be carried out short term

- Decisions to be made and agreements to be reached in order to realize the synergies.
- Execution of short term synergies in Purchasing and Distribution & Sales.
- Comparison of Production Systems and measurement of important Manufacturing KPIs.
- Harmonization of R & D processes and systems and sharing of components and harmonization of product plans.