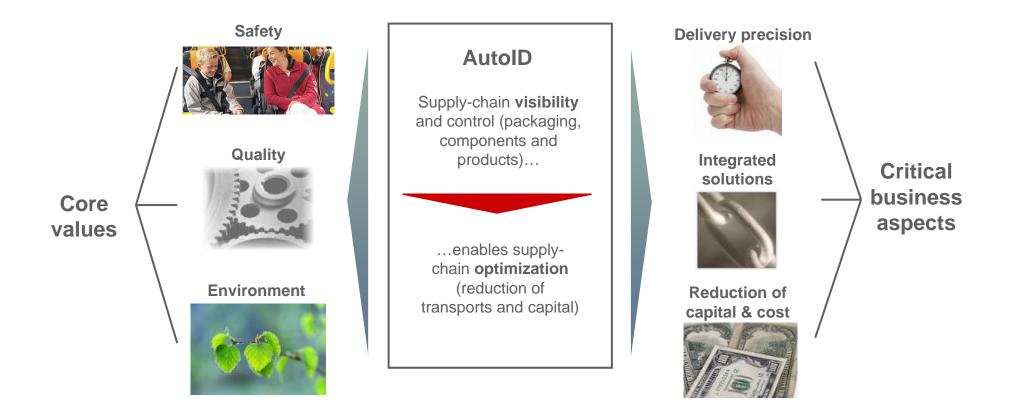


# A glimpse into RFID

2008-06-17

# **AutoID**

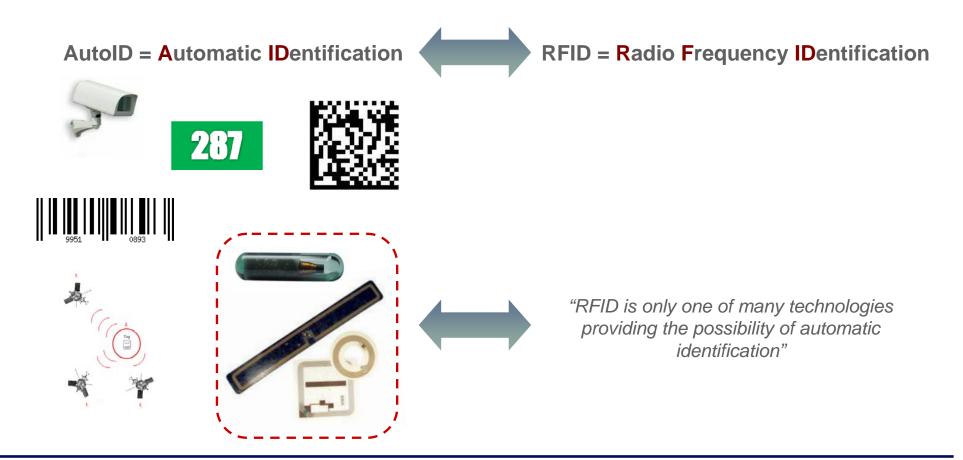
AutoID solutions will support Volvo in its pursuit towards achieving critical business aspects in line with core values





Auto ID vs RFID

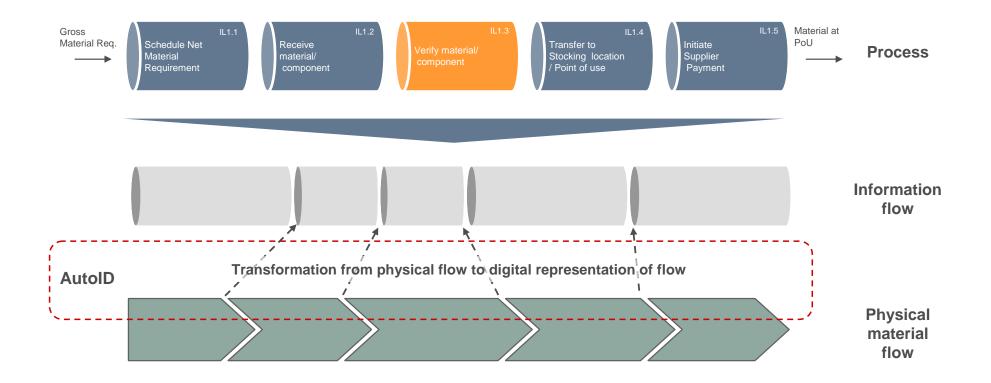
RFID is just one technology for realizing automatic data capture but the technology has evolved and gained a lot of attention in recent years





### Auto ID role

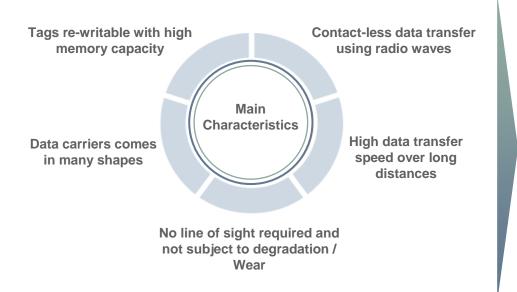
Data capture technologies aims to bring material flows and information flows into sync in order to enable process optimization





**RFID** 

The RFID technology has a number of appealing characteristics at the same time facing challenges for large scale diffusion



Reach a global automotive standard

Define information structure guidelines

Data safety aspects

Manage the supplier – customer collaboration



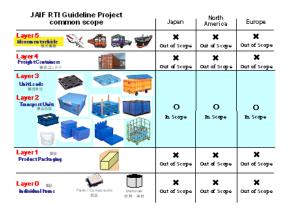
# **Odette RFID involvement**

Odette is putting substantial effort into laying important groundwork to enable and facilitate an increased use of RFID within the entire supply chain

#### **Odette RFID initiatives**

#### Unique identification tag encoding scheme

- Odette has driven a global initiative to develop a RFID tag encoding scheme to be used for returnable transport items and automotive parts/components for B2B purposes
- The encoding scheme proposal is accepted within Europe (VDA etc.) and should be anchored with Japanese Jama/Japia and American AIAG in Detroit in July 2008
- A part of the encoding initiative is the development of a unique company coding scheme
- This solution is based using the latest available generation of 18000-6C tags (with 240 bits in UII)





# **Odette RFID involvement**

Odette is putting substantial effort into laying important groundwork to enable and facilitate an increased use of RFID within the entire supply chain

#### **Odette RFID initiatives**

#### Finished vehicle distribution

- The vehicle distribution project started in VDA with the intention to use a "Smart Label" for identification of individual vehicles
- Data content is mainly agreed, including unique ID rules (VIN) and UHF technology will likely be used
- VDA will present their guideline as an input to a European recommendation in the next Odette RFID meeting in early July



### RFIDNU

 RFIDNU is a recently finished national initiative investigating extended cross-company loops using RFID technology and has contained several RFID pilots in supplier companies



#### VOLVO

### **Volvo RFID involvement**

The RFID initiatives within the Volvo Group are tactical solutions as well as initiatives aimed at broader solutions



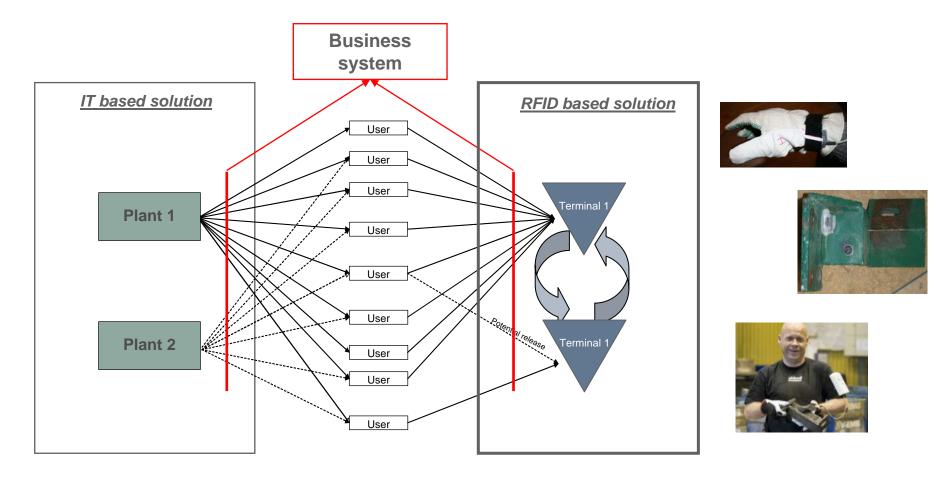
Closed loop solutions Involved in standardization Solutions using unique id's Involving suppliers

Volvo Logistics Global Development, Fredrik Sinhart 8 2008-06-17



### **Volvo RFID example**

To gain control, information are sent to the business system from two different points in the process one secured with RFID technology





### The aim for this presentation has been to convey a few key messages



The RFID technology has a number of appealing characteristics at the same time facing challenges for large scale diffusion

Odette is putting substantial effort into laying important groundwork in line with Odette principles to enable and facilitate an increased use of RFID within the entire supply chain

Volvo is a part of and supports the Odette work at the same time realizing value from tactical RFID solutions

Volvo Logistics Global Development, Fredrik Sinhart 10 2008-06-17

VOLVO

### **Questions & Answers**



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