friendships

Demand Supply Network Management

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network

Juha Putkiranta Senior Vice President, Demand Supply Network Management

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expertise

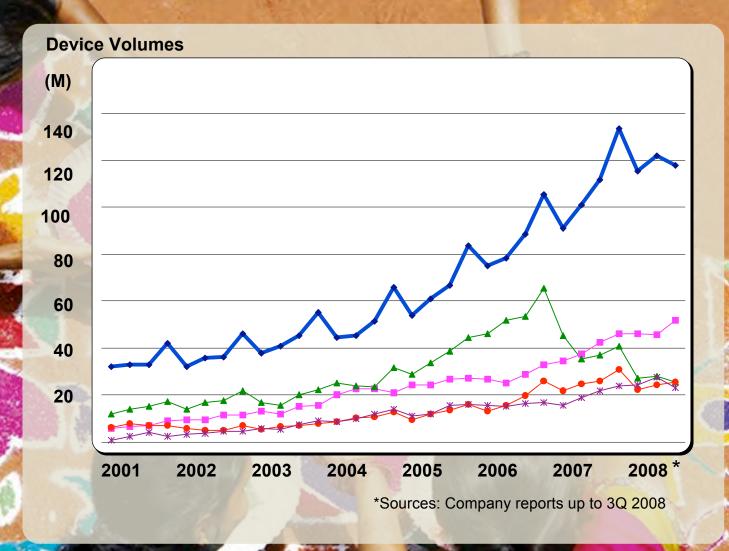
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relevant experience

learn

Scale advantage



- Nokia
 - Samsung
- Motorola
- Sony Ericsson
- LGE

Responding to customer needs

250 Sales Package Variants

Nokia N96













Advantages in rapidly changing markets

Flexible inventory management:

75% of inventory held by suppliers immediately prior to assembly

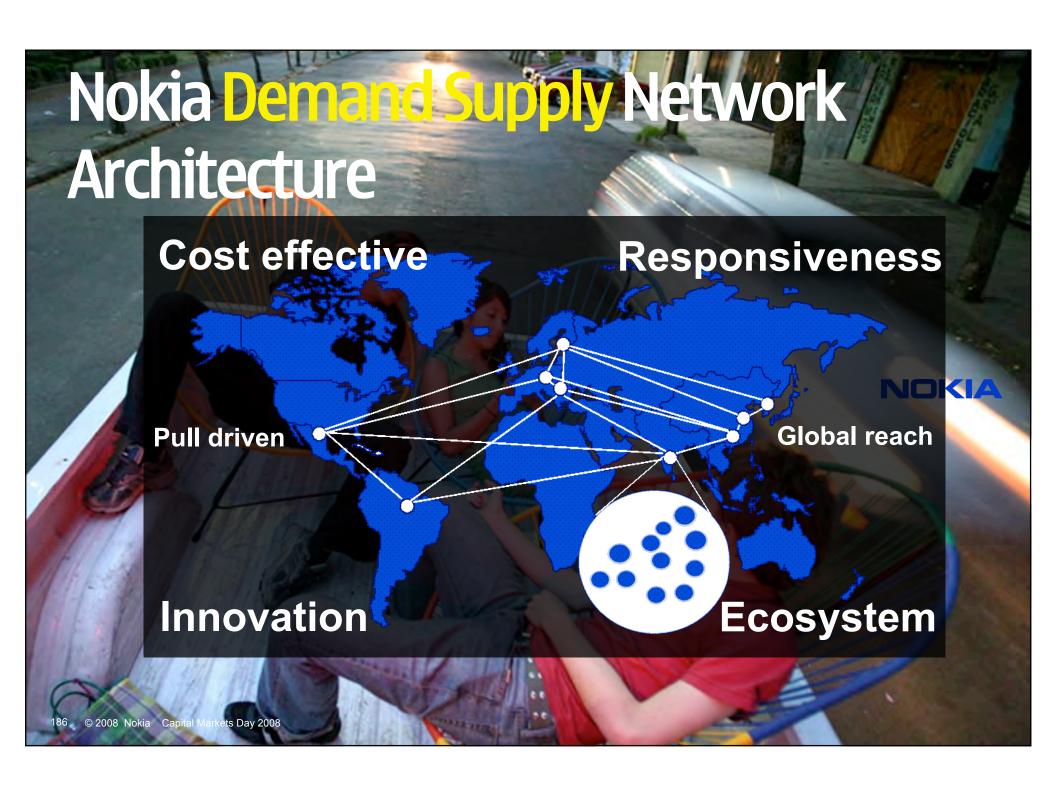
Manufacturing Flexibility:

- ~20% of manufacturing done by sub-suppliers adds flexibility
- Booming Market = We managed for upside better than others
- **Contracting Market**
 - We are already biased for downside
 - Our organization has experience
 - Less important = capacity/supply constraints
 - More important = managing costs

Flexible Manufacturing



Product Sales Volume vs Plan







Summary

Ensuring efficiency and flexibility while creating customer value

Variation Management

Global Manufacturing

Scale and Efficiency

... and extending the lead further



Superior Powers of Collaboration

Jean-Francois Baril Senior Vice President Sourcing friendships

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Margin advantage vs. competition



Operational mode



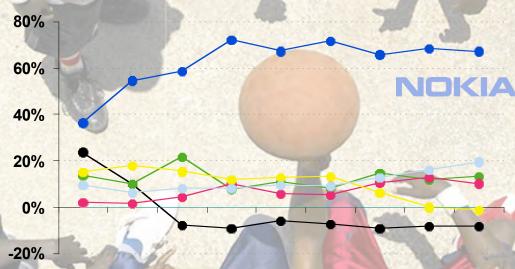
Supplier portfolio



Collaboration

Sony Ericsson RIM

Percent of operating profit



Q3'06 Q4'06 Q1'07 Q2'07 Q307 Q4'07 Q1'08 Q2'08 Q3'08

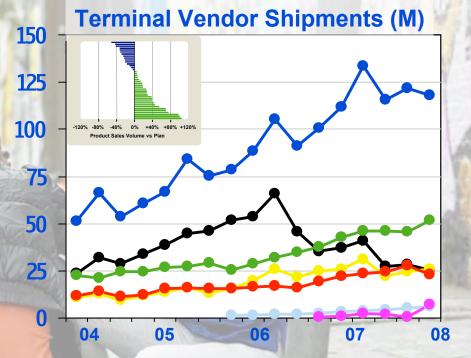
Motorola Samsung

Source: Nokia, company reports

Operational mode = Scale and cost advantage

Retail price in €

Operational flexibility



R&D and supplier collaboration

Nokia 6300

Gross margin %

Jan 07 → June 08

Source: Nokia, company reports

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"Kiwi-bird" shaped supplier

portfolio

Sharp peak of innovative companies for picking new technologies

Weight on a few large

suppliers

No long tail of legacy suppliers



Unleashing the power of collaboration: 1+1=11

Human and business leadership

Supplier

- Capabilities
- Scale
- Innovation



Passion and Trust

Co-creation
Transparency
Rewards

Nokia

- Technology planning
- Product
- Logistics

Risk management resilience

2/5 Collaboration

2/5 Supplier portfolio

1/5 Robust processes

..and "a pinch" of leadership



Responsible supplier management

- Supplier requirements for Ethics, Labour, Health & Safety and Environment since the 1990s
- > 50 on-site supplier assessments annually with active development programs
- Environmental improvement targets for key suppliers
- #1 Dow Jones Sustainability Index Communication
 Technology category (2008)
- #1 in Greenpeace Electronics Ranking (Nov 2008)
- Active participation at industry level (e.g GeSI)



friendships

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Thank you.

Connecting People

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