



Capital Markets Day 2008
Outokumpu R&D Strategy
Pekka Erkkilä, EVP – General Stainless

www.outokumpu.com

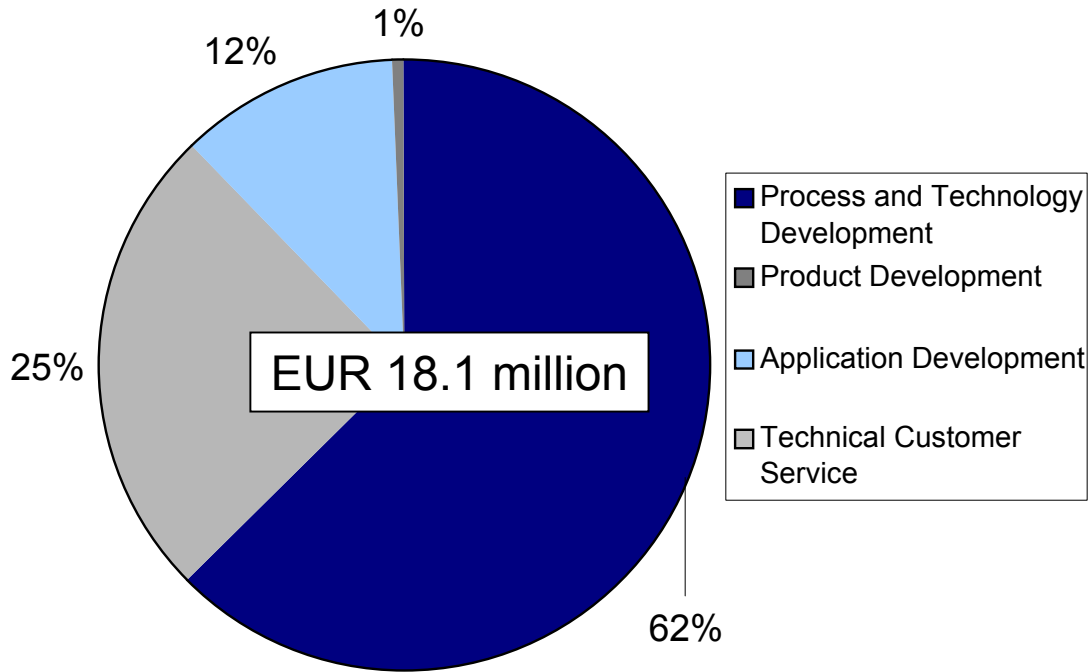
R&D mission supporting Outokumpu's vision

- *Develop processes, products and applications* -

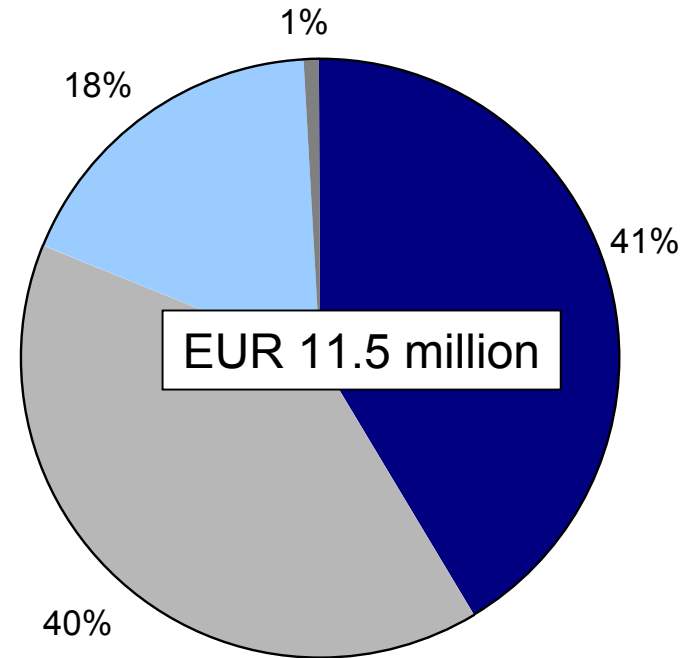
- Ensure *competitive products* in new and existing applications
- Create *new applications* for established products
- Create *new products* for old applications
- Create *products for new businesses*
- Continue *improvement of production processes*
- Develop *new flexible, cost efficient and environmental friendly production routes*
- Provide *technical expertise* for various Group needs and *educate people*
- Important *recruitment platform*

R&D areas in 2007

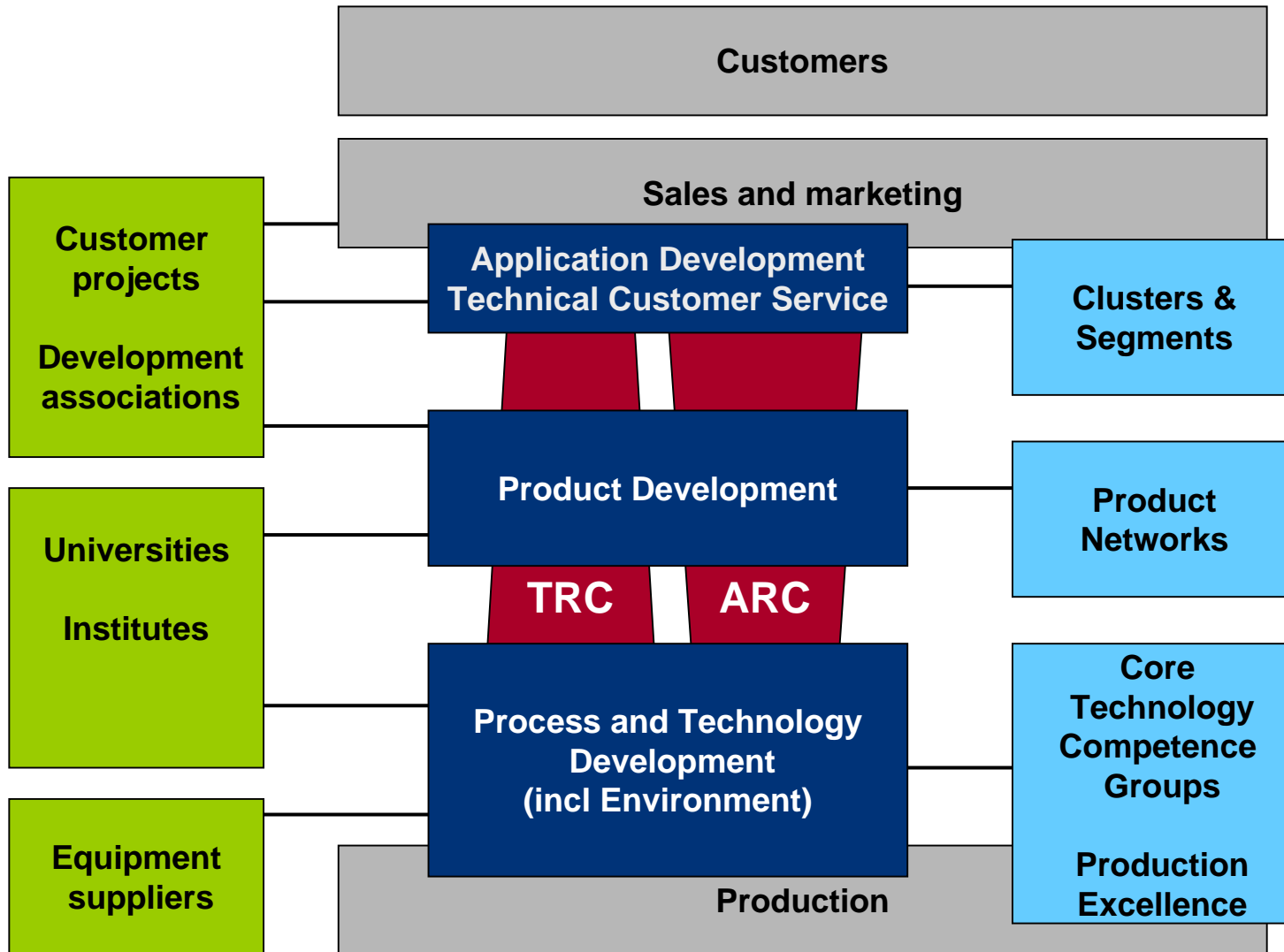
Outokumpu Group



Tornio and Avesta Research Centers

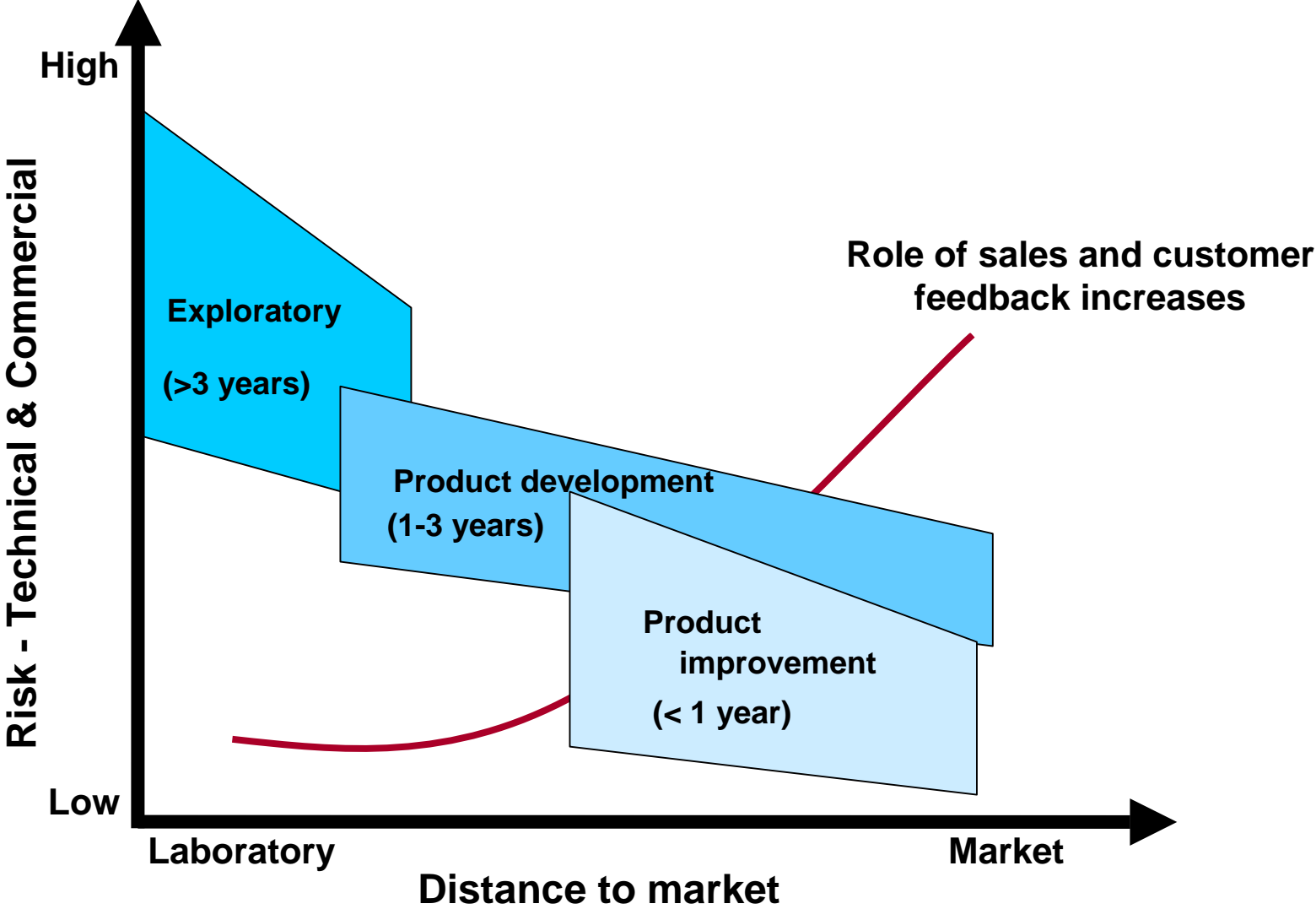


R&D operative model



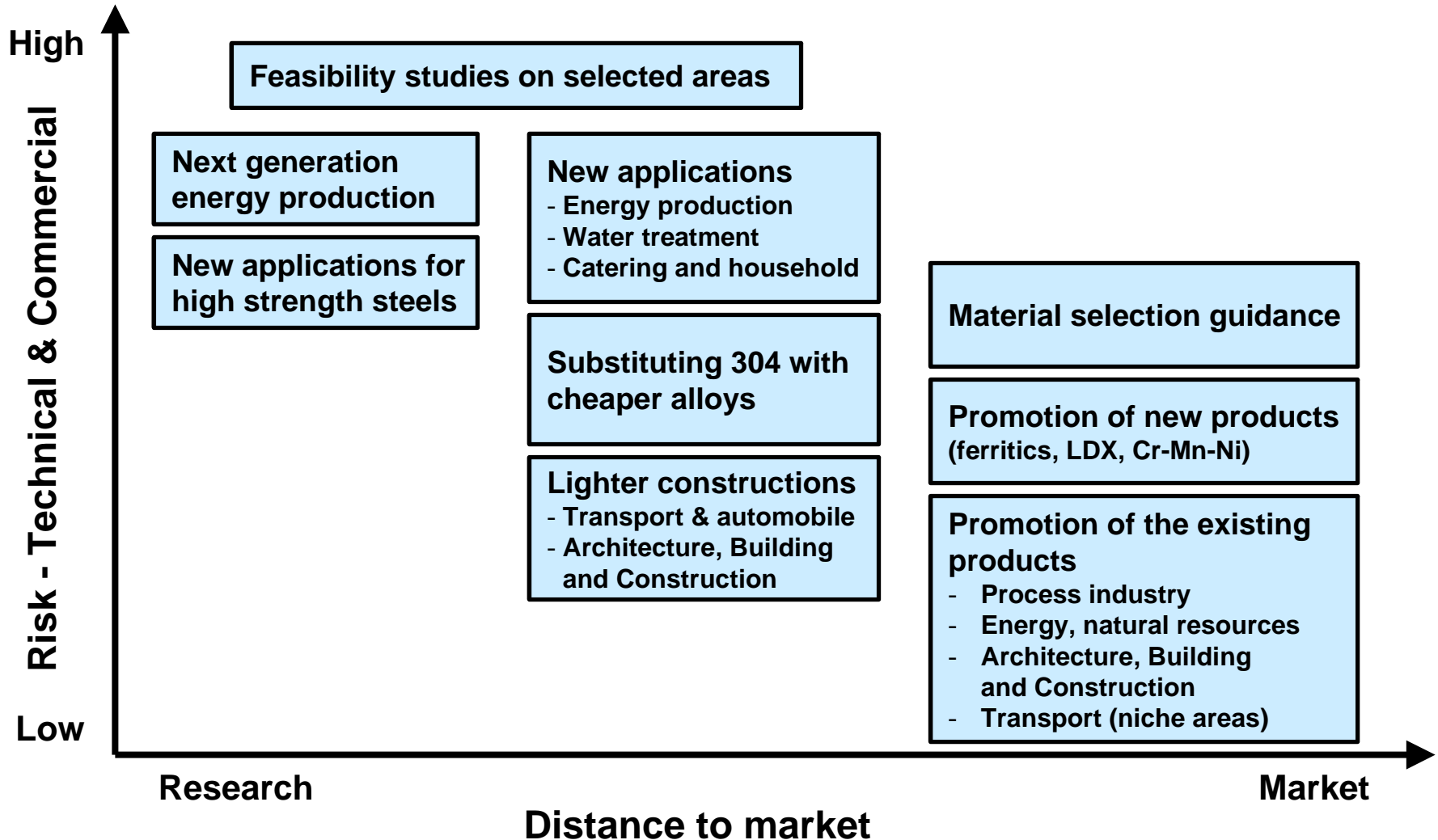
TRC= Tornio Research Center ARC= Avesta Research Center

Time-span of R&D projects



Example - application development

Market studies ► Feasibility studies ► Product & Process development





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