

Malin Mannevaara, Electrification, Instrumentation & Composite Plants, 16.8.2011

# ABB Experience

## Boosting Controlling and Monitoring Activities in Collaborative Production

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- ABB
- Process Industry; Electrification, Instrumentation and Composite Plants
- ITEA and PRISMA

## The case

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- Solution search
- Solutions selected
- The result

## Questions. Comments.



# ABB Group

## A global leader in power and automation technologies



- 124,000 employees in about 100 countries
- \$32 billion in revenue
- R&D investments more than \$1 billion



*prisma*

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# ABB in Finland



## ABB in Finland

- Revenues EUR 2.2 billion
- Nearly 7 000 employees on nearly 40 locations
- R&D investments EUR 139 million
- Factories in Helsinki, Vaasa and Porvoo



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# ABB's mission



## Improve performance

ABB helps customers improve their operating performance, grid reliability and productivity while saving energy and lowering environmental impact.



## Drive innovation

Innovation and quality are key characteristics of our product, systems and service offering.



## Attract talent

ABB is committed to attracting and retaining dedicated and skilled people and offering employees an attractive, global work environment.






## Act responsibly

Sustainability, lowering environmental impact and business ethics are at the core of our market offering and our own operations.



# How ABB is organized

## Five global divisions

				
<b>Power Products</b>	<b>Power Systems</b>	<b>Discrete Automation and Motion</b>	<b>Low Voltage Products</b>	<b>Process Automation</b>
<b>\$10 billion</b> <b>32,500</b> <b>employees</b>	<b>\$6.8 billion</b> <b>17,500</b> <b>employees</b>	<b>\$5.6 billion</b> <b>25,500</b> <b>employees</b> <small>(includes employees from January acquisition of Baldor)</small>	<b>\$4.5 billion</b> <b>20,000</b> <b>employees</b>	<b>\$7.4 billion</b> <b>26,500</b> <b>employees</b>

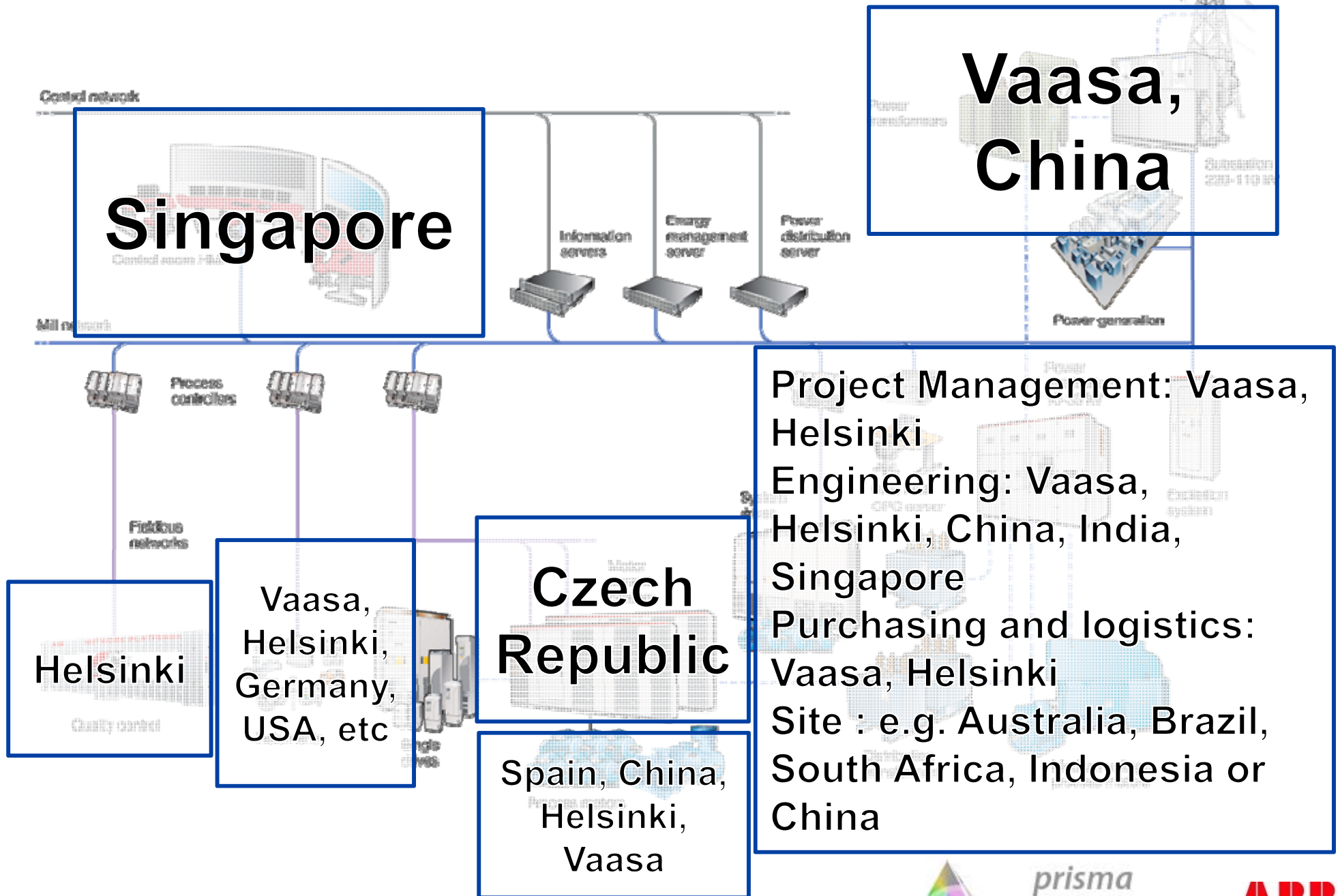
- ABB's portfolio covers:
  - Electricals, automation, controls and instrumentation for power generation and industrial processes
  - Power transmission
  - Distribution solutions
  - Low-voltage products
  - Robots and robot systems



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# Electrification, Instrumentation and Composite Plants





Same room spirit  
in multi-site fashion!

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# Case Definitions

Free work  
Unnecessary work



# Case Measuring

Survey

19%



# Case Methods

Find root  
cause  
- 5 Why



# Case Problem Areas

Process  
Description  
Reporting



# Case

## Solution search

- SameRoomSpirit Wiki
  - <http://www.sameroomspirit.org>
- Literature
  - C. Campana, E. Schott, M. Lappe and S. Haffner. Project portfolio management multi-project monitoring and reporting. The Campana & Schott Group.
  - CMMI® (Capability Maturity Model®Integration)



# Case Solution

- Monthly Meetings
- Monthly Project Status Reporting
- Project Documents updated regularly

ABB.ProcessAutomation.FollowUpForm

Project name \* Leikkipaikka - AC - Hiekkalaatikko

Time Schedule (agreed with customer) On schedule

Comment on time schedule:

Project Monthly FollowUp

Project Name	Month	Time Schedule (agreed with customer)_y	Comment on time schedule:	Financials_y	When was forecast and time schedule updated in SAP? (date)
CAC-008719 - (VIP#8 Drum Debarrier)	2010 - 05	On schedule	Kaikki tavarat toimitettu (Asiakas asentaa & käyttöönottaa)	On budget	Yes
6592	2010 - 05	On schedule		On budget	Yes
6582AC01	2010 - 05	On schedule		Budget exceeded	No
6580	2010 - 05	On schedule		Risk of exceeding the budget	Yes
6557488	2010 - 05	Delayed because of ABB (comments required)		Budget exceeded	Yes



# Case The Result



10.5%



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# Questions? Comments?



**Power and productivity  
for a better world™**

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