



Value for money - Railway renovation project (Lielahiti-Kokemäki line section)

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Lielahi–Kokemäki renovation project in short

- The alliance project participants
 - owner: Finnish Transport Agency
 - service provider: VR Track Ltd
- Scope: Renovation of existing railway line (90 km)
- The total budget of the project is MEUR 106.4 which includes
 - the costs of the acquisition, development and execution phases and the materials supplied by the owner.
- Objectives
 - Improve safety for railway section and reduce maintenance costs
 - Reinforce surface and bench structures of the railway track
 - Besides the renovation there are improvement needs, such as change in bench width and removal of railway grade crossings
- Schedule
 - Project Development Phase October 2011 – May 2012
 - Project Delivery Phase June 2012 - May 2015 (+ 5 years warranty period)



What has been accomplished by the alliance model?

- **Costs** – TOC underrun by over 5 %
- **Schedule**
 - Efficient lead-time compared to the traditional models
 - The project will be completed 2...3 months ahead the schedule
- **Key Result Areas**

Key Result Area (KRA)	Failure	Minimum	Maximum	The current situation	Success rate (%)	Weight	Total
Punctuality, Passenger traffic	70	85-90	98	99,6	100 %	0,263	26,25
Punctuality, Freight traffic	70	85-90	98	99,9	100 %	0,088	8,75
Schedule (date)	31.5.2016	31.5.2015	28.2.2014	15.4.2015 (*)	50 %	0,200	10
Train safety deviations (pc)	25	6-10	0	2,5	58 %	0,090	5,25
Work-site safety measurements (%)	75	93	100	95,5	36 %	0,180	6,43
Accident frequency	100	18	0	7,5	58 %	0,180	10,5
TOTAL							67,18

(* Estimated)

Additionally the project scope was widened during the Project Delivery Phase (in the limits by the Owner's budget)



Picture: Reijo Keskiikonen

”Cooperation
is at the heart
of the Liekki
project!”

Why does Alliance work efficiently?

Working collaboratively

Problem solving is total and efficient

Managing change is fast and efficient

Focus on essential

All actions "best for project"

Openness, transparency, trust

Efficient organization

Learning from each other, continuous improving

Everyone wants to participate

High motivation



Improved productivity



”Best Construction Project in Finland in 2012”

