



INTERNATIONAL UNION
OF RAILWAYS

unity, solidarity, universality

PROTECTRAIL, European research project

Involvement of UIC

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PROTECTRAIL

Protectrail is a research project in the field of security

proposed in the framework of the seventh programme for research and technological development (Call for Proposals for Security Research (FP7-SEC-2009-1) published on 3 September 2008.



The task is to develop an integrated system

to improve the security of rail transport through better protection of railways and trains, and to reduce disparity in security between European railway systems.



PROTECTRAIL

Consortium

lead by ANSALDO (ATSF – IT)

Composed of 28 partners from 11 countries :
Railways, Industry, Research institutes

Calendar

Project start: 1 September 2010

Kick-off meeting: 6 October 2010

Duration: 42 months

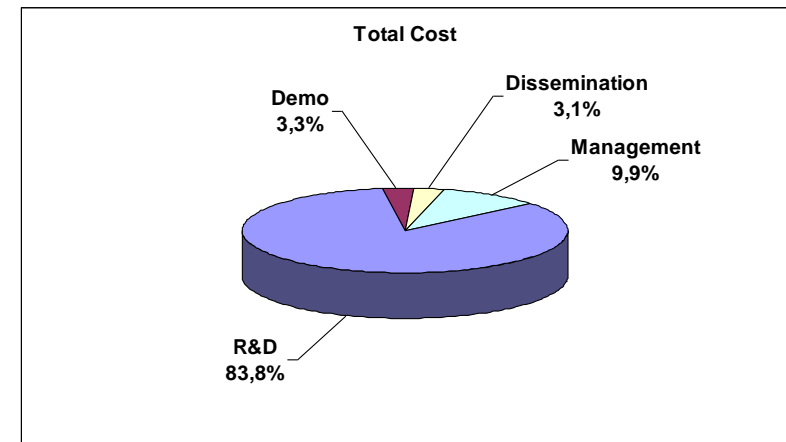
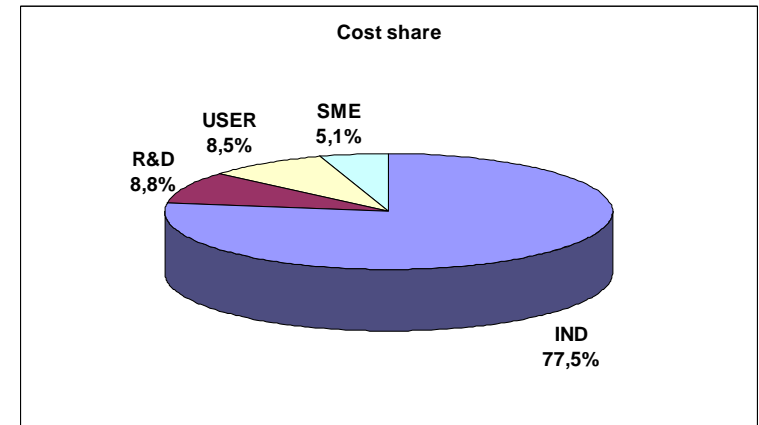
Budget

Total project cost: € 21 775 289

Total EU contribution : €13 115 064

Total effort: 1 330 man-months

UIC budget :727 KE (including 613 KE funded by EU)



PROTECTRAIL Objectives

To provide a viable, integrated set of railway security solutions, by considering:

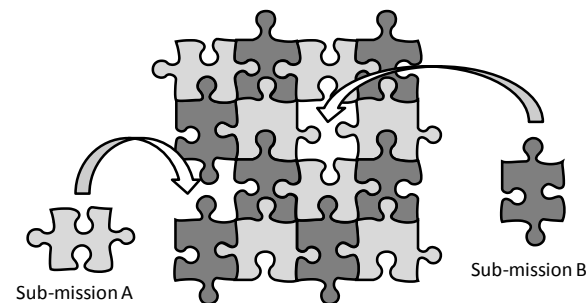
- The extent of the assets involved
- The nature of possible threats
- The number of technical requirements and operational constraints

To develop sub-mission orientated solutions

- Protection of signal and power distribution systems
- Track clearance
- Clearance of trains before and after daily use
- Staff, luggage, passenger, freight clearance control
- Stations, buildings and infrastructure protection
- ...

To make the solutions interoperable

by designing a modular architectural framework into which each solution can be “plugged”.



What is at the stake ?

Security in rail transportation systems is becoming a growing “business requirement”

How can rail security interoperability be improved at European level?

How to provide reliable and cost-effective tools?

Why is UIC involved ?

To ensure that railway recommendations & needs will be taken into account by industry providers

- advisory group

To disseminate the results :

- To ensure that relevant end-users are properly involved
- To promote the research beyond the consortium
- To organise the processing of the results

How is UIC involved ?

Organisation of public conferences and workshops

- 1st PROTECTRAIL Info day on 4 May 2011 in Paris
- 22 September in Rome: PROTECTRAIL workshop

Involvement of end users beyond Europe through the UIC security platform

- Next congress of the security platform organized on 23-23 September in Roma

Main expected results

A set of security solutions (toolbox)

adapted to rail environment
interoperable

Identification of standardization requirements

for technology (video image format...)
for human resources (training,..)
for the legal framework at european level

Building a business oriented security policy taking into account the European regulation on passenger rights

For further information

PROTECTRAIL website
<http://www.protectrail.eu/>

UIC Contacts

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The screenshot shows the PROTECTRAIL website homepage. At the top left is the PROTECTRAIL logo, a blue circle with a globe and the text 'PROTECTRAIL'. To its right is the text: 'The Railway-Industry Partnership for Integrated Security of Rail Transport. Funded under 7th FWP (Seventh Framework Programme)'. Further right is the 'SEVENTH FRAMEWORK PROGRAMME' logo. Below the header is a navigation menu with links: 'About Protectrail', 'Consortium', 'Project structure', 'News & Events', 'Schedule of meetings', 'Contact', and 'Members area'. The main content area features a 'Highlights' section with a link to 'PROTECTRAIL: Kick off meeting'. Below this are sections for 'Protectrail press releases' (with a link to 'Successful kick-off meeting of the ProtectRail (...)' dated 18 October 2010) and 'Protectrail enews' (with a link to 'ProtectRail is on track from alerts Nr 223' and 'Successful kick-off meeting of the ProtectRail (...)' from alerts Nr 205, with a 'See more...' link). A 'Latest updates' section lists: 'Schedule of meetings' (25 February 2011), 'Project structure' (13 December 2010), 'About Protectrail' (13 December 2010), and 'Disclaimer' (9 December 2010). A photo of a woman and a child looking out a train window is shown. At the bottom, there is a footer with logos for 'ERTIFER E SHELLO STAD', 'BOMBARDIER', 'ELSAG DATAMAT', 'unife', 'THALES', 'smiths Smiths Heimann', and 'SNCF'. Below the logos is the text: 'RSS 2.0 | Mobile version | Disclaimer | Contact us | Top of the page'.

■ ■ ■ **Thank you for your kind attention**