Terrorist attacks database

❖ Database built upon the outcomes of the EU funded TETRIS project.

❖ Open Source Data on terrorist attacks against railways carried since 1970.

❖ Countries analyzed:
  • Austria
  • Belgium
  • France
  • Germany
  • Greece
  • Ireland
  • Italy
  • Netherlands
  • Spain
  • Switzerland
  • United Kingdom
The Threat assessment tool

- **The original database has been reviewed, modified and enriched** in order to become a functional tool for internal use, allowing the UIC Security Division to:

  ✓ Effectively access the data stored in the database (240+ entries).

  ✓ Integrate timely updates upon each new attack.

  ✓ Easily manage existing data and allow for implementation of further categories (e.g. data about attacks in other Countries).

  ✓ Quickly extract of up-to-date charts and diagrams.

  ✓ Produce periodical report featuring updated data, charts and analyses on the terrorist attacks against railways.
INTERNAL USE

Allowing UIC Security Division to:

✓ Effectively access the data stored in the database.
✓ Integrate timely updates upon each new attack.
✓ Easily manage existing data and allow for implementation of further data categories (e.g. data about attacks in other Countries).
✓ Quickly extract of up-to-date charts and diagrams.
✓ Perform both quantitative and qualitative analyses over 30 data categories (grouped into 7 macro-categories).

DELIVERABLE TO UIC MEMBERS

Featuring:

✓ Qualitative and quantitative analyses of terrorist attacks carried out against railways.
✓ Updated charts and figures describing the phenomenon and its evolutionary patterns.
✓ First report on terrorist attacks against railways is expected to be delivered to the Members in Jan 2018.
During the last 40 years more than 200 terroristic attacks were conducted against railways in 10 European Countries.
Most of the attacks were conducted by the use of explosives (70%) or incendiary devices (20%).

The armed assault, which in the last few years generally gained much prominence in the news as a mean of attack, accounted until 2015 for only 2% of the total.

The targeted assets were almost equally represented by infrastructure/line (39%), trains (33%) and stations (27%).
FORESEEING SOLUTIONS TO NEW THREATS

RELATED UIC ACTIVITY

PARTICIPATION IN EU RESEARCH PROJECTS

SECURITY MANAGEMENT’S MISSION

RELATED UIC ACTIVITY

TERRORISTIC ATTACKS DATABASE & ANNUAL REPORT

AVOIDING THE REPETITION OF PAST ATTACK SCHEMES
UIC involvement in ongoing EU funded projects

**BODEGA (BOrdDErGuArd): PROACTIVE ENHANCEMENT OF HUMAN PERFORMANCE IN BORDER CONTROL**

**WEBSITE:** [www.bodega-project.eu](http://www.bodega-project.eu)

**OBJECTIVES:** BODEGA project will investigate and model Human Factors in border control to provide innovative socio-technical solutions for enhancing border guards’ performance of critical tasks, support border management decision-making and optimize travelers’ border crossing experience. BODEGA will develop a toolbox which integrates the solutions for easy adoption of the BODEGA’s results by stakeholders in border control. **For more information please contact:** PAPILLAUT@UIC.ORG

**SAFER-LC: SAFER LEVEL CROSSING BY INTEGRATING AND OPTIMIZING ROAD-RAIL INFRASTRUCTURE MANAGEMENT AND DESIGN**

**WEBSITE:** [www.safer-lc.eu](http://www.safer-lc.eu)

**OBJECTIVES:** to DEVELOP innovative solutions to enhance the safety of level crossings for road as well as rail users; to DEMONSTRATE how these new technological and non-technological solutions can be integrated, validate their feasibility and evaluate their performance taking into account, the level crossing user’s perspective and behavior; to DELIVER a bundle of recommended technical specifications, human processes and organizational and legal frameworks for implementation; to DEVELOP a toolbox accessible through a user-friendly interface which will integrate all the project results and solutions to help both rail and road managers to improve safety at level crossings. **For more information please contact:** BONNEAU@UIC.ORG

**CYRAIL: CYBERSECURITY IN THE RAIL SECTOR**

**WEBSITE:** [www.cyrail.eu](http://www.cyrail.eu)

**OBJECTIVES:** to PERFORM an exhaustive cyber security assessment of the Railway systems focusing on the most critical railway services, zones and communications; to DELIVER a taxonomy of threats targeting rail management and control systems capable of classifying, describing and analysing cyber-attack threats; to ASSESS and SELECT innovative rail management systems attack detection techniques; to SPECIFY countermeasures and mitigation strategies for improved quality levels; to DESCRIBE resilience mechanisms for operational safety; to SPECIFY protection profiles with evaluation of assurance levels. **For more information please contact:** BONNEAU@UIC.ORG
Latest UIC Publications

**PREDICT PROJECT SUMMARY**
*March 2017*

Available on the UIC Website at: uic.org/Security-Research-Projects

**RECOMMENDATIONS FOR CRISIS MANAGEMENT**
*April 2017*

Available on the UIC Website at: uic.org/security#documents

**STATION SECURITY FOR STATION BUSINESS – HANDBOOK ON EFFECTIVE SOLUTIONS**
*October 2017*

Available on the UIC Website at: uic.org/security#documents
Thanks for your attention!

FOR ANY FURTHER INFORMATION:

Visit UIC Website: uic.org/security
Contact us at: security@uic.org