



*PROTECTRAIL (242270) - The Railway-Industry Partnership
for Integrated Security of Rail Transport*

PROTECTRAIL Sicily Demo Site Scenarios of the demo



Definition of asset to protect

Asset type to be protected

- Railway line

Who or what to protect

- Railway premises;
- Cables in ducts;
- Passengers.

Threats

- Presence of unauthorized people on railway line;
- Theft of copper cables;
- Terrorist attack.

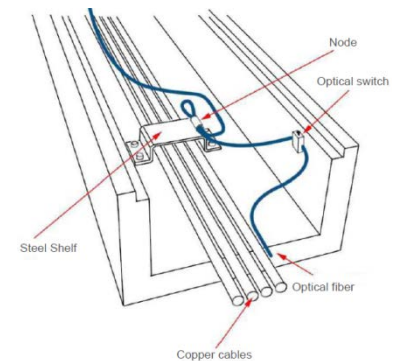
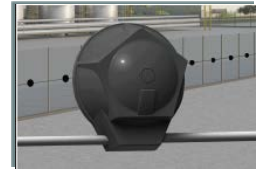
Purpose

- Prevent or delay the intrusion;
- Early warning of the presence of unauthorized persons on the railway line.



Events

- Attempt to cut the fence;
- Attempt to climb up the fence;
- Unauthorized presence in the railway area;
- Cable theft from ducts.



SCENARIO 1

ATTEMPT TO CUT AND CLIMB THE FENCE

- The intruder arrives near the fence;
- The intruder tries to cut the fence activating the fence alarm system;
- The intruder tries to climb the fence;
- The intruder abandons the area.



SCENARIO 2

AUTHORIZED PRESENCE OF MAINTENANCE OPERATOR IN THE MONITORED AREA

- A possible intruder enters the protected area;
- The VCA (Video Content Analysis) Alarm is activated;
- The security operator, after clarification, acknowledges and closes the alarm.



SCENARIO 3

UNAUTHORIZED ACCESS WITH CABLE THEFT ATTEMPT

- The intruder is inside the protected area;
- The VCA (Video Content Analysis) Alarm is activated;
- The intruder gets near the cable ducts and tries to cut them;