



R&D EUROPEAN PROJECTS



IFIN 08.10.2013





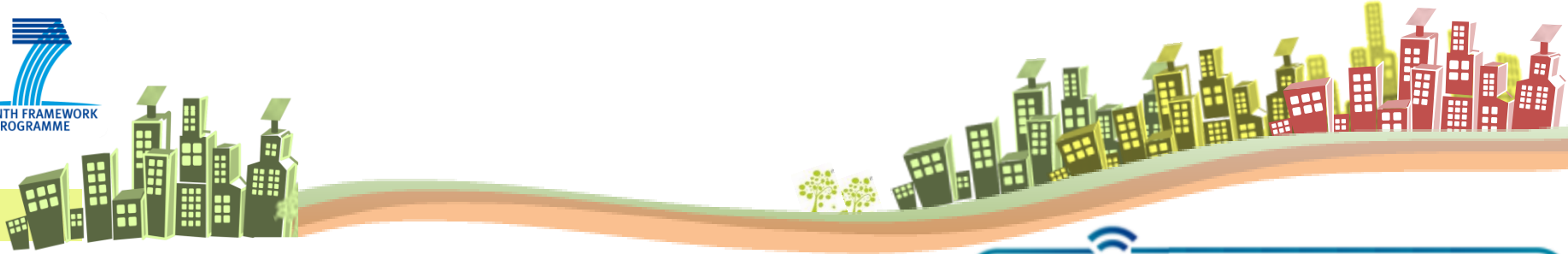
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1. Brief introduction - MIT



2. European projects



1. Brief introduction - MIT

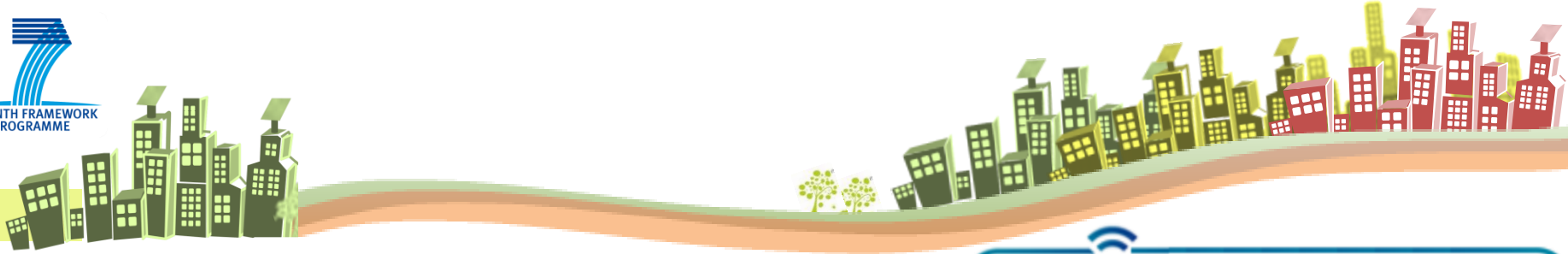
- **Mira Telecom** – Romanian SME founded in 1998
- **Personnel:** 100 (engineers, technicians, administrative staff)
- **Location:**
 - Headquarters located in Bucharest.
 - 4 service centers nationwide



1. Brief introduction - MIT

BUSINESS PORTFOLIO

- Advanced Security Systems Integrator
- IT&C system integrator
- R&D in software and security equipment
- Telecom equipment and accessories provider
- IT equipment provider
- Security equipment manufacturer
- Mobile C2 and CBRN systems

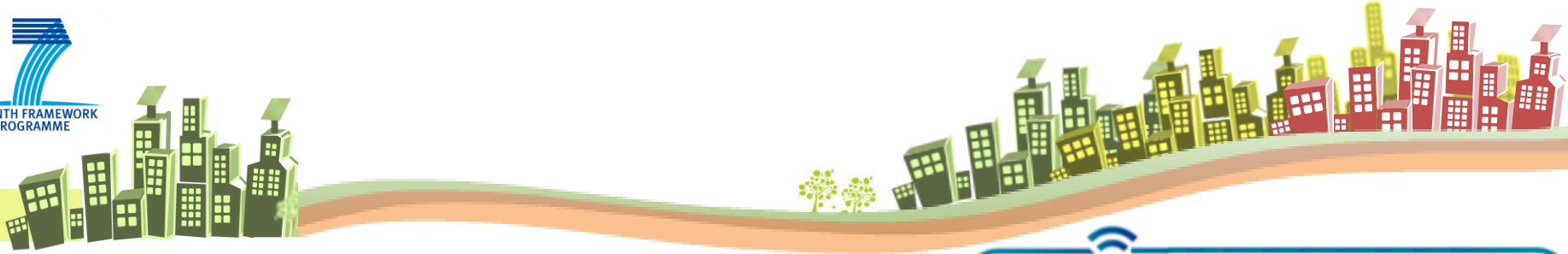


1. Brief introduction - MIT

R&D AREA

- ***new dedicated office*** (1000 sqm) - operational by December 2012
 - software, electronics, measurements, testing and prototypes laboratories
 - manpower -30 specialists
- ***main objective*** - developing complex integrated systems including:
 - sensors
 - telecom solutions
 - security equipment
 - software applications
 - system management





1. Brief introduction - MIT

INTEGRATED PROJECTS

SCOMAR - Integrated System for Observation, Surveillance and Control of traffic at the Black Sea (together with INDRA-SPAIN)

Schengen Border - Romanian-Serbian border - Integrated System for Observation, Surveillance and Control of traffic at the Danube

Mobile Command and Control and Nuclear, Bacteriologic, Chemical and Radiologic systems - for Emergency Situations Inspectorate



Quality work comes from quality people

2. European projects

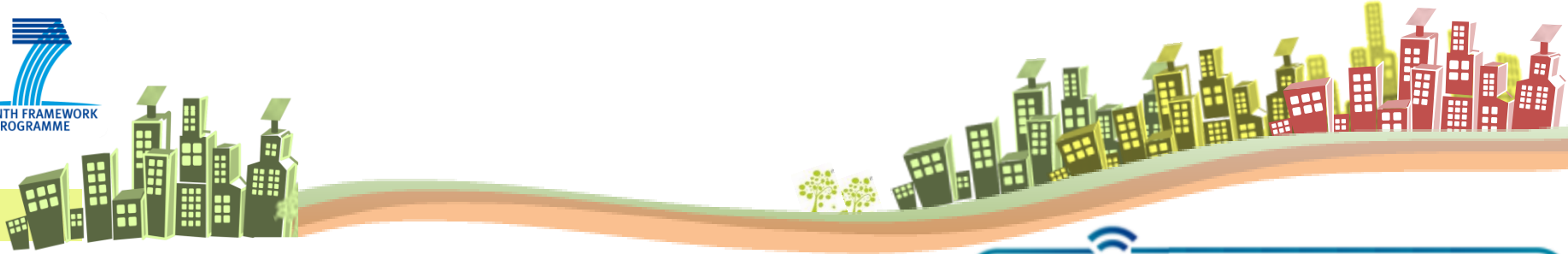
ONGOING PROJECTS

| TITLE / ACRONYM | OBJECTIVES |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SAFECITY | SafeCity deals with smart Public safety and security in cities. The main objective is to enhance the role of Future Internet in ensuring people feel safe in their surroundings at time that their surroundings are protected. Safecity is the result of the elaboration of a vertical Use Case Scenario based on Public Safety in European cities. |
| ELSYS | Elsys aims to establish an electronic system for exchanging data on shipments of waste. |
| ARGOS | Advanced Protection of critical buildings by Overall anticipating System |
| ABSOLUTE | Aerial Base Stations with Opportunistic Links for Unexpected & Temporary Events |
| RESCUECELL | Portable kit for detecting trapped and buried people in ruins and avalanches |
| ADAS | Development of new non-destructive or micro destructive techniques for damage assesment of different historical collagen-based materials based on innovative software. These techniques will contribute to faster and more accurate analysis of patrimony objects. |

- **Life** – EU financial instrument for the support of environment and nature preservation projects
- **Elsys** co-financed through Life+ program
- **Elsys** – the purpose to set up an **electronic system for the exchange of data regarding waste transport**
- **MIRA TELECOM** (Elsys partner) in charge with the technical implementation of the project
- Project location – Romania
- Implementation term:
01.10.2011 - 30.09.2014
- Total budget: **1,198,926 Euro**
EU co-financing: 563,638 Euro
- Beneficiaries:
 - **Ministry of Environment and Forests** – coordinating beneficiary, project owner
 - **MIRA TELECOM** – associated beneficiary



- Eureka - networking for research - development
- The project Eureka 5837 **ADAS - Automatic Damage Assessment System for Cultural Heritage and Parchments**
- **MIRA TELECOM** is **coordinating partner, project leader** and co-financer
- Scientific partners in the project:
 - ✓ **National Leather and Footwear Research - Development Institute**, Leather - Footwear Research Institute, Bucharest branch
 - ✓ **Politechnica University of Bucharest - CNC Bucharest**
 - ✓ **Romania's National History Museum**
- Implementation term: 12.03.2012 - 12.03.2015 (36 months)
- Budget: **780,000 Euro**
- Participating countries: Romania, Spain



2. Role and goal in SafeCity

Leader

Sub-task 2.1.2 - Bucharest Scenario

Sub-task 2.2.3 - Alerting Technologies

Sub-task 3.2.3 - Application to Bucharest Scenario

Participant

2.2.1 - Situational Awareness

2.2.4 - Command Centers

3.1 - Specific Requirements Definition

3.2.1 - Global SafeCity Framework Characterization

4.1 – Conceptual prototypes

4.2.1 - Madrid PoC

5.1 - Experimentation Plan

POTENTIAL COLLABORATIONS

FP7/HORIZON 2020

Possible domains of collaboration, but not limited to:

- Detection systems
- Systems for environment surveillance, environment security measures
- Border surveillance/security systems
- Systems for emergency situations
- Public safety and security in cities systems
- Applied electronics



Thank You