



Internet of the future

ITENE: Packaging, Transport and Logistics

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- **ITENE:**
 - Description
 - Activities
 - Interests
 - Experience in Frame Work Programme
 - FI.ICT-2011.1.8 Use Case scenarios and experimentation



ITENE, TECHNOLOGY CENTRE



ITENE is a Research Institute constituted in 1994 as a private non-profit Research centre integrated with businesses, entities and institutions related to Packaging, Transport and Logistics.

Our mission consists of improving business competitiveness through the promotion of research, development, innovation and advanced technological services.

- **Covering the entire value chain: from the supply of raw materials till the product reaches the consumer**

**Supply → Production → Packaging → Warehousing
→ Transport and Distribution → Point of sale →
Final consumer**

ITENE ACTIVITIES

Packaging

Logistics and
Transport

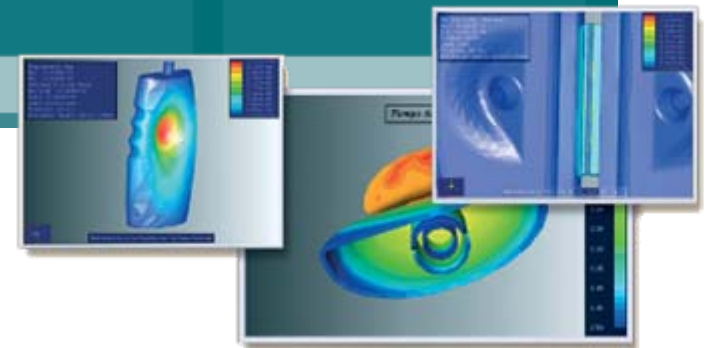
Information and
Communication
Technologies

Quality, Environment
and Safety

R&D&I Projects

Technological Services

Technology transfer and dissemination:
Technological seminars, publications, reports.



- ❑ Systems interoperability
- ❑ Tracing and tracking of goods and fleets
- ❑ Advanced technologies of fleets location, information and communication and management for transport GPS/GSM or GSM/GPRS
- ❑ Traceability, location and tracking of vehicles and fleets in the supply Chain
- ❑ Technologies to guarantee and control perishable freights physical conditions through intermodal supply chains
- ❑ Information and communication systems evaluation for transport companies and logistics operators
- ❑ Standardization and definition of framework architectures of intelligent transport systems (ITS)
- ❑ Users requirements analysis for intelligent transport systems (ITS)
- ❑ Implementation strategies and ITS socio-economical impact evaluation
- ❑ Routes optimisation and planning systems

Summarizing...

1. **Tracing, location and management of fleet vehicles and goods.**
2. **Optimisation of routes and planning systems.**
3. **ICT for controlling of physical conditions through intermodal supply chains.**
4. **ICT applied to Intelligent transport systems**

PREVIOUS EXPERIENCE: funded EUROPEAN PROJECTS in FP 6-7

- ❑ SUSTAINPACK: Innovation and Sustainable Development in the Fibre Based Packaging Value Chain. (VI FP NMP)
- ❑ BESTLOG: LOGISTICS BEST PRACTICE: Design of a quality system and benchmarking methodology to improve the logistics efficiency and performance. (VI FP "Sustainable development, global change and ecosystems")
- ❑ **CHILL-ON: Developing and integrating novel technologies to improve safety, transparency and quality insurance of the chilled/frozen food supply chain. (VI FP FOOD)**
- ❑ **NAFISPACK: Natural Antimicrobials For Innovative and Safe Packaging, where ITENE is the coordinator. (VII FP FOOD)**
- ❑ SUSTAINCOMP: Development of Sustainable Composite Materials (VII FP NMP)
- ❑ REBIOFOAM: Development of a flexible and energy-efficient pressurized microwave heating process to produce 3D-shaped Renewable BIO-polymer FOAMS for a novel generation of transportation packaging. (VII FP NMP)
- ❑ SORT-IT: Recovered paper sorting with innovative technologies. (VII FP ENVIRONMENT)
- ❑ **U-STIR: User Driven Stimulation of Radical New Technological Steps in Surface Transport. (VII FP TRANSPORT)**
- ❑ Boosting raw material and energy efficiency using advanced sheet structure design and fibre modifications (VII FP NMP)
- ❑ **TRAYSRENEW: Development of innovative renewable trays for poultry products, based on biopolymers and bast fibers (VII R4SME)**

FI.ICT-2011.1.8 Use Case scenarios and experimentation

□ **Scope:**

- Technologies for urban mobility issues
- Optimization of urban logistics freights
- Warehousing and localization indoor of freight
- Security and trazability of logistics
- Cooperation in the supply chain



THANKS FOR YOUR ATTENTION !

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