

# From Research...



# ...to Market



**Emilio González**  
I+D Logística y Movilidad

“ We are a Research & Consultancy & Testing Center **SPECIALIST** on Packaging and Logistics ”

“ We provide business solutions from a **HOLISTIC VISION ALONG SUPPLY CHAIN** ”





## What do we do?



Research



Consultancy



Testing



Packaging  
Testing  
Equipment

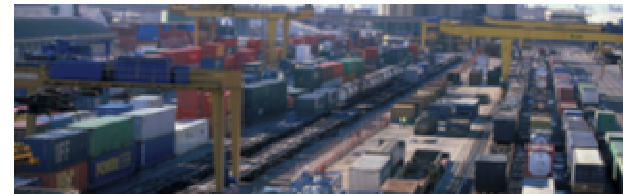
## R&D - PACKAGING & LOGISTICS

**Nanomaterials  
and Nanosafety**



**Transport  
Security and  
Safety**

**Advanced  
Packaging  
Materials**



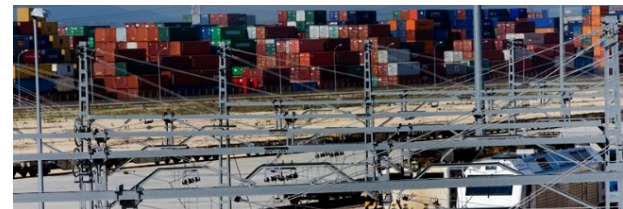
**Logistics &  
Distribution**

**Packaging  
Systems and  
Technologies**



**Urban  
Logistics &  
Mobility**

**Packaging  
Engineering**



**Intermodality**

**Smart  
Packaging,  
Traceability**



**Sustainability**



# Facilities

5.000 m2 devoted to laboratories and experimentation infrastructures

- Nano Additives and Nano Clays Pilot Plant
- New Materials processing Pilot Plant
- NanoSafety Laboratory
- Chemical Laboratory
- Physical Laboratory
- Packaging manufacturing Pilot Plant
- Packaging Pilot Plant
- Microbiology Laboratory
- Packaging Evaluation Laboratory
- Transport Simulation Center
- RFID Pilot Plant
- Packaging Waste Pilot Plant

## Transport Simulation Center

- Vertical Vibration + Pitch & Roll
- Vertical Compression
- Horizontal Stability and Impact Machine
- Drop Tester
- Drop & Cushion Machine
- Register Devices
- Special Equipments (Tailored designed)
- Automatic stretch wrapping machine



## Main logistics and mobility projects

### LOGISTIC PLATFORM STRATEGIES



RELOG



### INTERMODALITY



CO3

MODULUSHCA

### URBAN MOBILITY URBAN LOGISTICS



VI@LIBRE

CITYMODEL



# Proyecto de logística para Retos 2016

- **SmartCold e-cargo bike:** Desarrollo de una caja e-cargo bike isoterma, ligera y sensorizada capaz de mantener producto fresco a temperatura controlada sin compresor de frío
- **Objetivos:**
  - Tecnología de refrigeración pasiva
  - Material ultraligero
  - Diseño modular de la caja
  - Sistema de recirculación de aire
  - Monitorización de la temperatura y alerta de tiempo restante para el repartidor
- **Socios:**
  - Fabricante de triciclos eléctricos (integración con sistema eléctrico)
  - Operador de última milla (usuario final)
  - Centro tecnológico (diseño de la caja + monitorización T<sup>a</sup>)
  - Carrocero para el desarrollo de la caja (**pendiente**)

