We create the environment for a sustainable world
We take care of today’s wellbeing and tomorrow’s world.

Valoriza Servicios Medioambientales is part of the international project that the Sacyr Group carries out for almost the last 30 years. Our group, with presence in the five continents, works in the areas of Construction, Infrastructure Concessions, Rental Property, Services and Industrial.

All our activities guarantee quality. From the beginning, we foster well executed and on schedule construction works, budgetary rigor and ongoing customer service. At Sacyr, we believe that technological innovation, research and development are differentiating factors that are essential for achieving business success.
Environment
Committed to sustainable progress

Revenue by activity of Valoriza Servicios (2014).

20% WATER

41% ENVIRONMENT

39% MULTI-SERVICES

Valoriza Servicios Medioambientales meets society’s commitment to sustainable development.

Valoriza Servicios Medioambientales has included this commitment in its culture through extraordinary specialization which enabled it to attain a leading position in the environmental sector in Spain.

The Group’s strong expansion in Spain has been reinforced with an important presence in Portugal, through Hidurbe and Viveros do Falcao.
We integrate technique and technology to merge wellbeing and the environment

We open new paths, consider new objectives, new limits and new frontiers, and we continue growing as a business area every day.

1. Street cleaning in Madrid.
2. On-street parking control in Madrid.
3. Upkeep of the National Heritage historical gardens (Campo del Moro, Madrid).
4. Mechanical biological treatment plant (MBTP, Bilbao).
Valoriza Servicios Medioambientales focuses on the following areas:

- **Waste cleaning and collection**
  - Street cleaning
  - Waste collection
  - Beach cleaning

- **Green areas and infrastructures**
  - Green areas, trees and gardens
  - Forest and garden restoration
  - Water quality control
  - Infrastructure and energy services

- **Parking lots and urban mobility**
  - On-street parking control
  - Operation of parking lots
  - Road signs
  - Access control
  - Towing service

- **Waste treatment and management**
  - Plant operation and construction
  - Landfill environmental recovery
  - Byproducts management and sales
Waste cleaning and collection

Cleaning cities is not simply an aesthetic requirement, but also a question of hygiene and of environmental protection. Street waste does not pose a serious environmental problem, but its presence causes visual pollution, and also hygiene and health hazards.

Waste collection and transport includes loading, transportation and unloading operations from the time that the waste appears until it is unloaded, either directly at the treatment centers or at the waste transfer plants for its subsequent final compacting and transportation.

Since Valoriza Servicios Medioambientales is aware of the importance of beach tourism along the coastal towns, it collaborates with their cleaning by providing services that include manual cleaning of promenades, sand sieving, waste collection, and wastepaper cleaning and collection.
Street cleaning, waste collection and beach cleaning

- Madrid.
- Lleida.
- Badajoz.
- Cádiz.
- Toledo.
- Soria.
- Guadalajara.
- Alcalá de Henares (Madrid).
- Leganés (Madrid).
- Coslada (Madrid).
- Sant Cugat del Vallès (Barcelona).
- Arenas (Santa Cruz de Tenerife).
- Aeropuerto Madrid-Barajas (AENA).
- Majadahonda (Madrid).
- Pinto (Madrid).
- Vilanova i la Geltrú (Barcelona).
- Plasencia (Cáceres).
- Miranda de Ebro (Burgos).
- Mancomunidad Montearagón (Albacete).
- Puerto de la Cruz (Tenerife).
- Guía de Isora (Tenerife).

- Catarroja (Valencia).
- Comarca Riber Alta del Ebro (Zaragoza).
- Mejorada del Campo (Madrid).
- Baza (Granada).
- Caldes de Montbui (Barcelona).
- Mancomunidad Los Olmos (Madrid).
- Haro (La Rioja).
- As Pontes (A Coruña).
- San Fernando de Henares (Madrid).
- Diputación Provincial de Badajoz.
- Algarve (Distrito de Faro-Portugal).
- Óbidos (Distrito de Leiria-Portugal).

+ 3 million inhabitants
+ 400 towns

6. Alcalá de Henares (Madrid).
7. Toledo.
8. Sant Cugat del Vallés (Barcelona).
Green areas and infrastructures
Green areas, trees and gardening

Tree pruning
Madrid: 70,000 trees.
Seville: 50,000 trees.

75,000 flowers per year, over 30 varieties in the National Heritage historical gardens.

Maintenance of green areas:
+ 20 cities

- Madrid
- Jardines históricos de Patrimonio Nacional (La Granja, El Escorial, El Pardo, Campo del Moro)
- Sevilla
- Guadalajara
- Majadahonda (Madrid)
- Getafe (Madrid)
- Pinto (Madrid)
- Leganés (Madrid)
- Guadalajara
- Zaragoza
- Pinto (Madrid)
- Torrejón de Ardoz (Madrid)
- Fuenlabrada (Madrid)
- Guadarrama (Madrid)
- Coslada (Madrid)
- Alcobendas (Madrid)
- Arroyo de la Encomienda (Valladolid)
- El Espinar (Segovia)
- Puerto de Algeciras
- Calatayud (Zaragoza)
- …
Forest and garden restoration
Water quality control

5. Forest treatments
6. Water quality control
7. Landscape restoration
8. River and bioengineering restoration
9. Green routes and recreational areas

- Forest treatments (Huelva).
- Habitat restoration for lynxes and Spanish imperial eagles (Andújar National Park).
- Fire safety infrastructure along the Sierra de Gata hills (Cáceres).
- Cleaning of the banks of the river Tormes and river park in Santa Marta de Tormes (Salamanca).
- Water quality control (SAICA) for the Douro and Guadalquivir Water Boards.
- Environmental protection in the middle section of the river Guadiana (on the water masses and along the banks of the Guadiana river basin). Badajoz
Green areas and infrastructures
Infrastructure and energy services

1. Underground dumpsters in Torrejón de Ardoz (Madrid).
2. Cleaning and upkeep of the Montmeló Circuit (Barcelona).
3. Maintenance of the sports facilities in Haro (La Rioja).
4. Upkeep of roads and infrastructure in Leganés.

- Street lighting and energy efficiency.
- Underground dumpsters maintenance.
- Street furniture maintenance.
- Sports facilities maintenance.
- Upkeep of roads and signs.
- Urban redevelopment.

1, Underground dumpsters in Torrejón de Ardoz (Madrid). 2, Cleaning and upkeep of the Montmeló Circuit (Barcelona). 3, Maintenance of the sports facilities in Haro (La Rioja). 4, Upkeep of roads and infrastructure in Leganés.
Parking lots and urban mobility

On-street parking control, towing service and parking lot operations

- On-street parking control service.
- Towing service.
- Road signs.
- Access control.
- Traffic fine management.

- Comprehensive contract for mobility in Madrid city.
- On-street parking control, access control and road signs.
- Operation of parking lots in Puertollano.
- On-street parking control in Castelldefels and Haro.
- Traffic fine processing service in Valdemoro and Galapagar.
- Towing service in Móstoles.

4. On-street parking control in Castelldefels (Barcelona).
5. Towing service in Haro (La Rioja).
6. Road signs in Madrid.
Waste treatment and management

43 facilities built
34 facilities in operation
114 MW of energy recovery
+ 5.6 million inhabitants

Plants construction and operation

Develop, innovate and contribute to each waste treatment and management project the ample experience of Valoriza Servicios Medioambientales.

We design, build and operate industrial facilities, transfer plants, recycling plants and waste recovery plants of all type. This is the best service we can provide to the environment with the aim of achieving sustainable development.

- Municipal Solid Waste (MSW)
- Organic fraction of MSW
- Packaging
- Construction and demolition waste (CDW)
- Waste water sludge
- End-of-life tires (ELT)
- Alternative fuels
- Industrial waste
Construction and operation of plants

- COMPREHENSIVE MSW RECOVERY PLANT FOR THE MARESME DISTRICT (BARCELONA) (190,000 t/year construction and operation for 15 years, with 12 MW of installed capacity).

- MSW PLANT FOR THE METROPOLITAN AREA OF VALENCIA (LOS HORNILLOS) (400,000 t/year construction and operation for 20 years).

- BIZKAIA MECHANICAL-BIOLOGICAL TREATMENT PLANT (BILBAO) (180,000 t/year construction and operation for 15 years).

- LA RIOJA ECOPARK (comprehensive treatment of the waste generated in La Rioja 130,000 t/year renovation and operation for 20 years).

- RECYCLING, BIOMETHANIZATION AND COMPOSTING PLANT OF OTHER MSW IN LA PALOMA (MADRID) (250,000 t/year construction and operation for 20 years).

- MIRAMUNDO WASTE TREATMENT PLANT (CÁDIZ) (300,000 t/year construction and operation for 30 years).

- MUNICIPAL WASTE INORGANIC FRACTIONS RECYCLING PLANT IN MOLINS DE REI, Barcelona (18,150 t/year operation for 4 years).

- TRANSFER FACILITIES IN BURGOS PROVINCE (45,000 t/year SUW +3,000 t/year non-hazardous industrial waste operation for 4 years).
• RECYCLING, BIOMETHANIZATION AND COMPOSTING OF OTHER MSW FRACTIONS PLANT IN JEREZ DE LA FRONTERA (CÁDIZ) (180,000 t/year construction and operation for 20 years).
• COMPOSTING ORGANIC MSW FRACTIONS PLANT IN PORTO (PORTUGAL) (60,000 t/year construction and operation for 10 years).
• SLUDGE TREATMENT OF THE SUR AND BUTARQUE WASTE WATER REGENERATION PLANTS (MADRID) (290,000 t/year and 110,000 t/year construction and operation for 25 years, with 25 MW and 18 MW of installed capacity, respectively).
• SLUDGE PLANT IN SANT ADRIÀ DEL BESÒS (BARCELONA) (250,000 t/year construction and operation for 20 years, with 24 MW of installed capacity).
• SLUDGE PLANT IN LOECHES (CANAL DE ISABEL II) (155,000 t/year operation for 4 years, with 20 MW of installed capacity).
• END-OF-LIFE TIRES TREATMENT PLANT IN CHILOECHES (GUADALARAJA) (10,000 t/year construction and operation for 10 years).
• CONSTRUCTION AND DEMOLITION WASTE TREATMENT PLANT IN VITORIA (300,000 t/year construction and operation for 15 years).
Waste treatment and management
Landfill environmental recovery and energy recovery of biogas

We reduce the carbon footprint by producing biogas and energy.

- Closure and environmental recovery of landfills.
- Degasification of landfills with energy recovery.

Main actions carried out:
- Valdemingómez landfill: Sealing, landscape recovery and environmental regeneration of the Valdemingómez landfill (Madrid), with a total area of 140 hectares.
- Purification system (upgrading) of the biogas generated by the biomethanation plants of La Paloma and Las Dehesas (Madrid).
- Biogas harnessing, treatment and recovery:
  - Cogersa (Asturias): 6.0 MW
  - Artigas (Bizkaia): 1.5 MW
  - Garraf (Barcelona): 0.5 MW
  - Meruelo (Cantabria): 2.0 MW
  - Miramundo (Cádiz): 5.0 MW
  - Valdemingómez (Madrid): 15.0 MW
  - Calahorra (La Rioja): 0.5 MW
Waste treatment and management
Management and sale of byproducts

Valoriza Servicios Medioambientales completes the recovery and recycling cycle by managing the byproducts recovered in the SUW treatment plants.

By managing and selling these recovered materials (paper, iron, aluminum, plastics, etc.), waste is given an additional value since it is converted into raw materials for the recycling industry.

Our company also manages end-of-life tires. As a result of this process, we sell products obtained from rubber granulate, which is used in artificial grass sports fields, rubber paving for children’s play parks, bituminous mixtures or energy recycling.
Innovation at Valoriza Servicios Medioambientales
The most recent RDI projects

- Development of a comprehensive tool in order to manage the inventoriable items with the aim of planning the municipal solutions. CDTI.
- Development of comprehensive bituminous surfaces with additives (safety-efficiencycomfort). CDTI.
- Development of an innovative system to eliminate leachate based on direct floating evaporation through submerged combustion biogas. CDTI.
- Predictive development and regulation of Platanus sp. leaves fall-over. CDTI.
- Comprehensive system to incentivize and recharge electric vehicles on on-street parking. AVANZA.
- Development of a system of dynamic composting tunnels as an alternative to the usual static tunnel system. PROFIT 2007.
- Development of recovery techniques for rejected construction and demolition waste and SUW and harnessing such waste as alternative fuel for industries. LIA 2008.
- New industrial applications for materials from old tires. CDTI.
- Recovery of sludge from paper processing through co-composting and thermal drying. CDTI.
- System for inertization and recovery of incineration’s fly ash. CDTI.
Patents and utility models

- Patents and utility models.
- Lifting device.
- Device for cutting tree roots or stumps.
- Ax bar for cutting tree stump roots.
- Dosing device.
- Acquisition method.
- Procedure for the inertization of fly ash from the municipal solid waste incineration (under approval).
- Tool for the controlled breakage of glass or similar (Utility Model).
- Dragging tool like a power shovel for the collection of urban waste of different types and sizes (Utility Model).
- System and procedure for the absorption through direct evaporation the effluent leachate from a solid urban waste landfill (under approval).
- System for the municipal solid waste removal (under approval).
- Brine preparation and storage plant (under approval).

Ongoing contact with universities, research centers and technological platforms:
- Salamanca University.
- Politécnica University of Madrid.
- CIDAUT.
- PLANETA (Spanish Environmental Technology Platform).
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