Based on energy efficiency and accessibility, NETLIFT has aimed to achieve zero-energy elevator systems that are also safer, more intelligent, accessible and flexible, and which are interconnected with the outside world. Therefore, the following objectives were set for the research and technology for future development of sustainable elevators:

**Environmental Sustainability:**
- Focuses on the generation of new energy within building concepts.
- Toward greater power usage by generating more efficient power levels that contribute to sustainable development and “sustainability clubs.”
- Applies the 3Rs (Reduce, Reuse, Recycle) in elevator systems to minimize their environmental impacts.

**Social Sustainability:**
- Defines elevator solutions for people with mobility restrictions, which are often challenging, expensive, and often also negatively affected. The full integration of new communication and information technology possibilities into elevator systems is fundamental for this.
- Research new elevator concepts for optimum building integration in the light of potential code restrictions.
- Incorporate “environmental intelligence” in elevator systems and introduce flexible environments that eliminate the floor-by-floor barriers generated by conventional elevator systems.

**Financial Sustainability:**
- Research and develop elevator solutions that are more compact and therefore use less space and require minimal power installations.
- Consider the system’s position in the world’s most efficient “zero-energy” elevator systems.
- Promote the research capability of national companies so they can generate high-value-added products and solutions, and compete directly with the global major groups (i.e., Boeing, Schneider Electric) and allow them to generate new jobs and solve the current negative phenomena head-on.

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1 out of every 10 new lifts in Europe is Orona

- 99 countries have Orona products installed
- 200,000 lifts worldwide with Orona technology
- First company in the lift sector worldwide certified in Eco-design (ISO 1406)

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**Latest zero-energy technology for elevators**

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Gives the situation in the construction sector which has a direct bearing on the Spanish vertical mobility sector, a competitive challenge for companies that have to develop and improve the energy efficiency of their services. The project’s main objective is to integrate these different perspectives and develop a multidisciplinary approach for the development of neto-01

Strategic research project aimed to develop highly sustainable elevator systems

To achieve these ambitious objectives, NetoDiift has benefited from collaboration with different public and private agents. Collaboration schemes have been formed with universities and technology centres to generate synergies and new working guidelines for the sector, and with companies in order to impose new solutions that are innovative and sustainable. In the strategic plan of the project, the role of NetoDiift is to follow up and assess the impact of the project’s objectives to be achieved.

The project NetoDiift has been of interest to companies in sectors such as architecture, energy and automotive because it is aligned with their current markets.

NetoDiift, a multidisciplinary consortium made up of 13 companies with the aim of making their businesses more sustainable, has been working on the development of elevator systems that are environmentally sound and sustainable, and that can be adapted to new and existing buildings. The project has served as a basis for the creation of new companies, and for other sectors such as architecture, energy and automotive.

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ORONA is the first company in the elevator sector worldwide to have been certified in Eco-design according to Standard ISO 14064.