
# Reggio School

El Encinar de los Reyes, Madrid, Spain, 2016-2022
**Andrés Jaque / Office for Political Innovation**

**Architects. Design Studio**
**Andrés Jaque / Office for Political Innovation**
New York and Madrid, Spain

**Design Team**
Roberto González García, Luis González Cabrera, Alberto Heras, Ismael Medina Manzano, Jesús Meseguer Cortés, Paola Pardo-Castillo, Rajvi Anandpara, Juan David Barreto, Inês Barros, Ludovica Battista, Shubhankar Bhajekar, Elise Durand, Drishti Gandhi, Maria Karagianni, Bansi Mehta, Alessandro Peja, Meeerati Rana, Mishti Shah, Saumil Shanghavi

**Consultants**
Iago González Quelle, Víctor García Rabadán (Qube Ingeniería de Estructuras, Structural Engineering), Juan Antonio Posadas (JG Ingenieros, Services Engineering), Javier González Nieto, Javier Mach Cestero (Dirtec Arquitectos Técnicos, Quantity Survey_Project), Jorge Basarrate, Álvaro Mingo (Mingobasarrate, Ecology and Edaphology) Ángel David Moreno Casero, Carlos Peñalver Álvarez, Almudena Antón Vélez (Project Management, Construction)

**Developer**
CIIP REGGIO. Centro de Investigación e Innovación Pedagógica Reggio

**Start and Completion Year**
2016-2022

**Gross Area**
6 702 $m^2$

**Sustainable Systems and materials**
embedded energy, ecosystems, biodiversity

**Photography**
José Hevia

**Expert committee. Sust. Outstanding Qualities**

The scientific committee underlines the following sustainable aspects from the text provided by the architects:

«_50% reduction of consumed energy by thermal isolation: 80% of the envelope of the building is covered with a 14.2 cm-projected and 9,700 kg/cubic meters dense cork (doubling Madrid's regulatory requirements) _ compacity : the building's footprint has been minimized in order to optimizes the overall need for foundations and radically reduces its façade rate.

_ matter reduction : 48% reduced by not adding claddings, drop ceilings, raised technical floors, wall lining, ventilated facades and the thickness of the structural walls concrete is reduced by 150mm. _33% of reduction in the embedded energy of the building's structure.

_educational ecosystems : indoor garden under a greenhouse watered with reclaimed water and soil tanks, small gardens hosting and nurturing different fauna in a semi-enclosed space ; accumulation of organic material on the façade with a cork surface favouring vegetal and animal life to blossom.»

**Website studio and work (link)**
https://officeforpoliticalinnovation.com/work/colegio-reggio-explora/
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