

## Rehabilitation of nº6 in the Calle Salustiano de Olózaga

The building is located at Nº6 in the Calle Salustiano de Olózaga in Madrid and dates back to the 19th Century and is a perfect example of the noble construction of this period: Load-bearing walls composed of a framework of studs and sleepers, braced with masonry brickwork and lime mortar. These walls were normally arranged parallel to the main façade, acted as supports to the wooden joist flooring which made up the five floors of the building.

This is a global structural rehabilitation Project which in its first phase will stabilize and reinforce the structure on grade with a steel framework and in a second phase will excavate the building below grade so as to obtain three levels of car parking. The process will consist of micro-piling a slab on the first floor which will receive the loads from the building above grade and then consequently excavate the building below grade level.



### Spain /2009 Project data

Structural Type:  
Load-bearing brick walls with wooden studs and wooden joists  
Location:  
Calle Salustiano de Olózaga nº6  
Madrid  
Opening Date:  
July 2009  
Proprietor:  
Inversiones Casado del Alisal, S.A.  
Construction:  
COMSA  
Architect:  
Luis Joaquín Gil de Bernabé  
Scope of Works:  
Construction Project and  
Technical Assistance