




Case Studies

As the validation of the designed product in real cases is a crucial aspect to be taken into account to ensure the reliability of the product, following real four cases has been selected for the project, representing European, and African Mediterranean Heritage.

Partner	Country	Case Study	Photograph
FSMR	Spain SITE1	Villanueva de la Nía, Romanic Church in Palencia. XIIth Century Romanesque Art Christian church made of ordered masonry, stonework and timber components, out of possible seismic influences.	
DOA	Jordan SITE2	Palace of King Abdullah I in Ma'an. It was built between 1904-1908 AD. It is a rectangular building consisting of a basement and two floors above. The foundations are of stone and they are a continuation of the interior and exterior load bearing walls. These walls are built of regular ashlar along their exterior faces and rubble stones along the interiors with mud mortar to bind the stones together. Wood is the main element used in the roof structure, tied together in a truss form.	
SCA	Egypt SITE3	Brick building. Monument of several floors built with adobe bricks. Gammal house was an initially established case study but, nowadays, a new one will be selected when project starts, accordingly with SCA and ECAE.	
BELENT	Algeria SITES 4.1 & 4.2	Urban civil buildings with different ecology, cultural and architectural requirements: Site 4.1: El Oued ; near the Tunisian frontier in a rather desert region exposed to harsh climatic conditions Site 4.2: Cherchel ; Caesarea Roman city in the sea side. Minor in situ strengthening assessments in some perimetric brick walls and timber roof and floor structural elements shall be strengthened.	