



**NON - INVASIVE AND COMPLETELY
NATURAL TECHNOLOGY
AGAINST RISING DAMP**

Guido Cantelli Conservatory - Novara, Italy Customer **Ministry of Cultural Heritage**



Type of property:
Musical conservatory

Localization:
Novara - Piemonte (Italy)

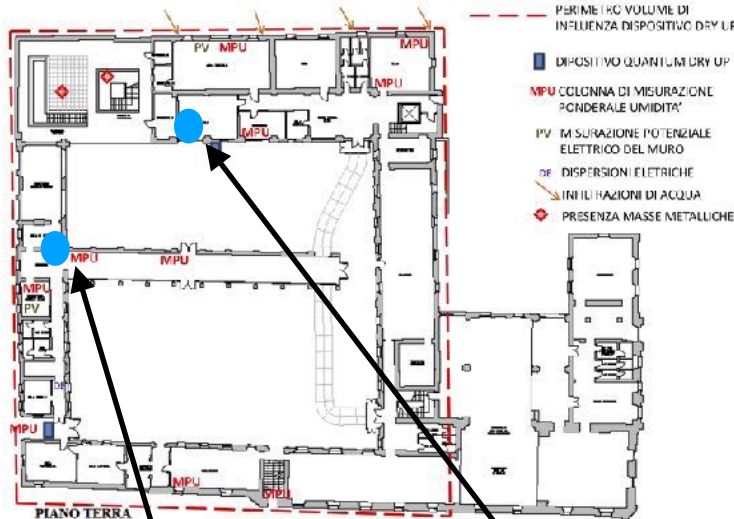
Historical data of the property:
The construction of the first plant dates back to the seventeenth century. In the second half of the nineteenth century, enlargement works were executed. The entire monumental complex is subject to architectural constraints.

Extension of Dry Up intervention:
Two Dry Up devices to cover an area of about 1.000 m2.

Period of expected draining:
5 years.

Diagnostic controls:
Installation July 2014
Six follow up checks
Last check up 30.07.2019

Criteria for success:
From the data acquired by the seven diagnostic investigations done from the time of installation, dated to 2014, to now, we can state that the phenomenon of rising damp has been solved by Dry Up technology.



Problems

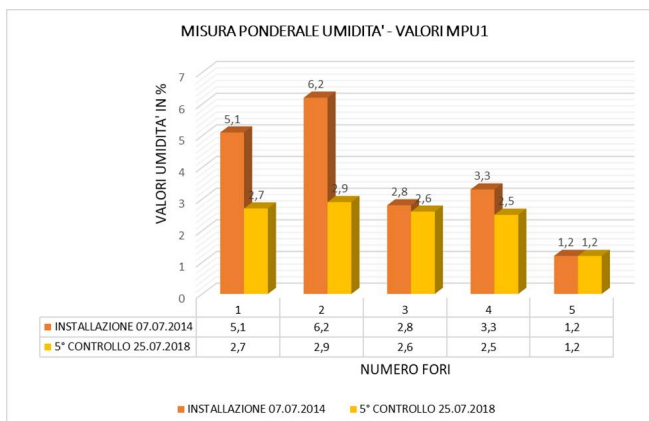
The Conservatory had an important pathology of wet walls due to the phenomenon of rising damp. There are signs of detachment and erosion of the plasters caused by the salts that have matured in an important way. Inside the building was applied, on the old plaster, a shave with industrial products without removing the old plaster saturated with salts. In the niches, where the wall is of lower thickness, there is the presence of condensation inside the wall due to the lack of insulation. The facades of the building appear to have concrete plaster. In the monumental complex there are still several parts of cement plaster.



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Draining

Dry Up technology has solved the pathology of rising damp. In order to be able to guarantee the drying result, it is necessary to replace the degraded and cement plasters with new plasters composed of only natural hydraulic lime and subsequent painting with breathable products.



Istituto Superiore di Studi Musicali
CONSERVATORIO GUIDO CANTELLI

Prot.n. 1719 /C-14

Novara, 28/07/2016

Spett.le ditta
Atena srl
via Marzeno 65
48013 BRISIGHELLA (RA)
Alla c.a. dr. Luigi Vantangoli

Oggetto: Risultati installazione dispositivo dry-up.

Gent. dr. Vantangoli,

abbiamo il piacere di comunicare che a seguito delle verifiche stabilite per il monitoraggio sul prosciugamento delle murature controllate dal vostro dispositivo dry-up, si sta progressivamente attuando quanto da Voi previsto.

In effetti tutti i locali compresi nell'area di influenza del dispositivo in questione stanno rivelando maggiori condizioni di benessere anche agli utenti.

Manifestiamo pertanto la nostra soddisfazione, e, in attesa del prossimo sopralluogo previsto, inviamo distinti saluti.



IL DIRETTORE
(Prof. Renato Meudici)

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