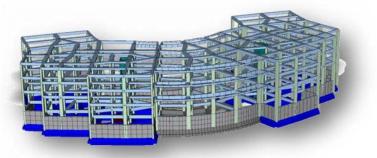


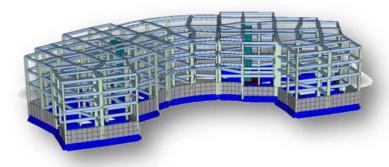
The study STC Engineering & Consulting work in General in the field of civil engineering and Architecture, with particular experience in the areas listed below.

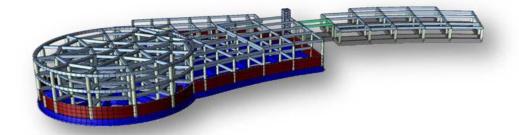
- Structural engineering
- Consolidation and restoration
- Hydraulic engineering, water treatment plants and integrated water cycle
- Geotechnical Engineering
- Structural monitoring and controls
- Energy-saving design
- Energy and environmental design
- Urban design
- Architecture and interior design
- Naval design

# STC Engineering & Consulting

Some jobs....

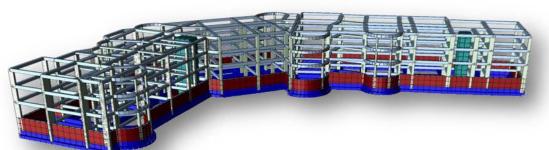




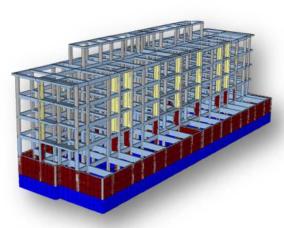


Structure in reinforced concrete for the construction of a Hotel

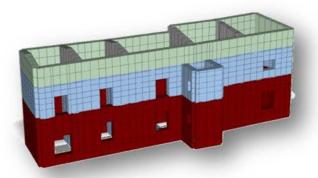
Reinforced concrete structure for bar/restaurant

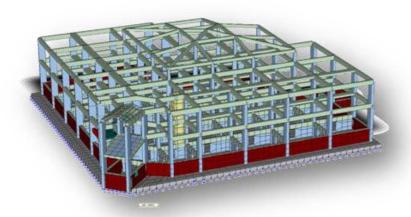


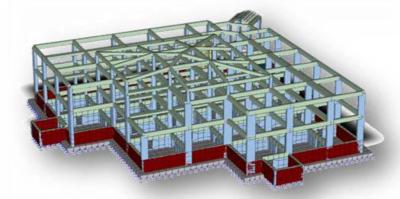
Structure in reinforced concrete for the construction of a hotel



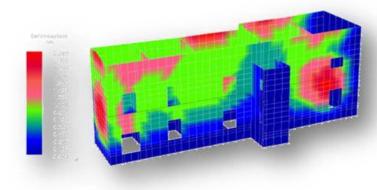
**Building for residential applications** 





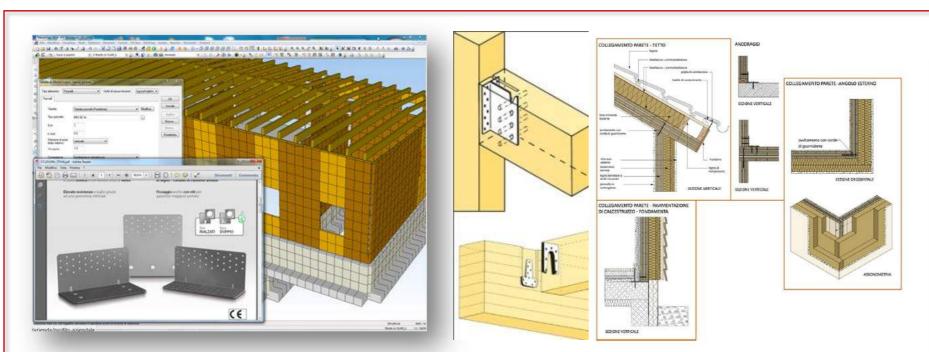


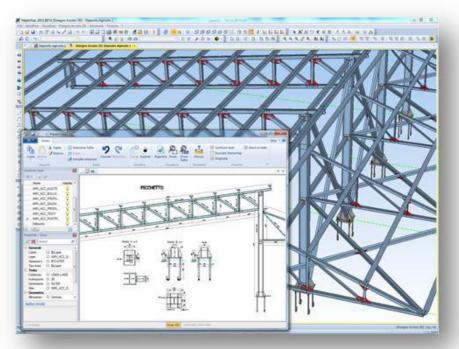
Reinforced concrete structure to complete the enlargement of a school building



Study of seismic behavior of masonry building

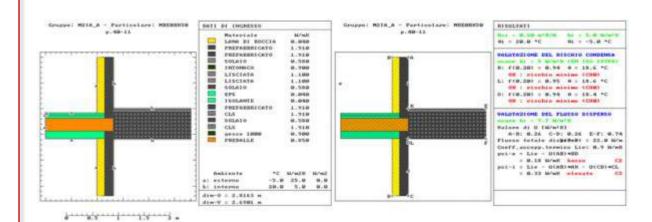
**Engineering** 

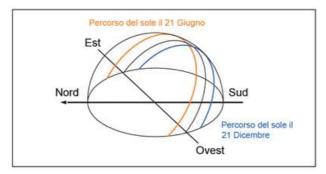


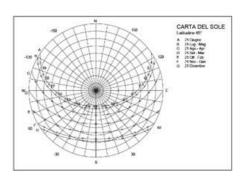


### **Wooden buildings**

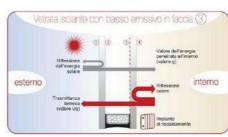
Steel buildings







5 \*C3 20, 0 17. 0 18. 0 17. 0 15. 0 14. 0 13. 0 13. 0 13. 0 14. 0 19. 0 7. 0 5. 0 7. 0 4. 0 7. 0 4. 0 7. 0 4. 0 7. 0 4. 0 7. 0 4. 0 7. 0 4. 0 7. 0 7. 0 8. 0 9. 0 





QUADRANTE DI PROVENIENZA DEI VENTI FREDDI INVERNALI

Planibel I-Top

Te

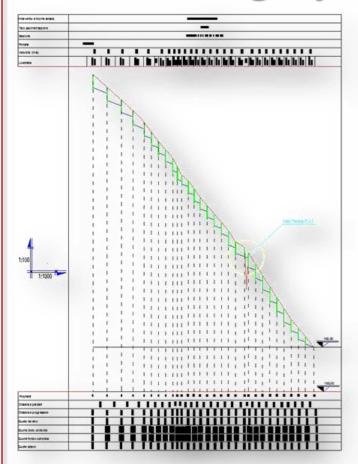
Calore interno

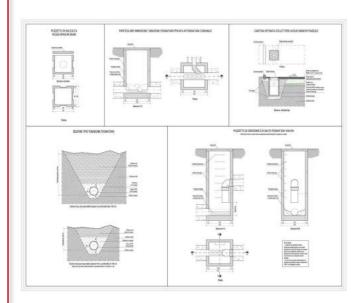
Maggiore protezione;

Saving energy and sustainable design

# **Engineering**

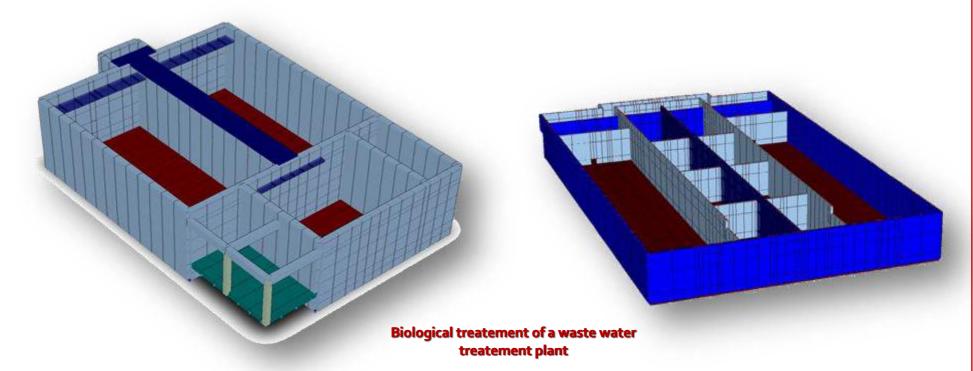
### Urban drainage system

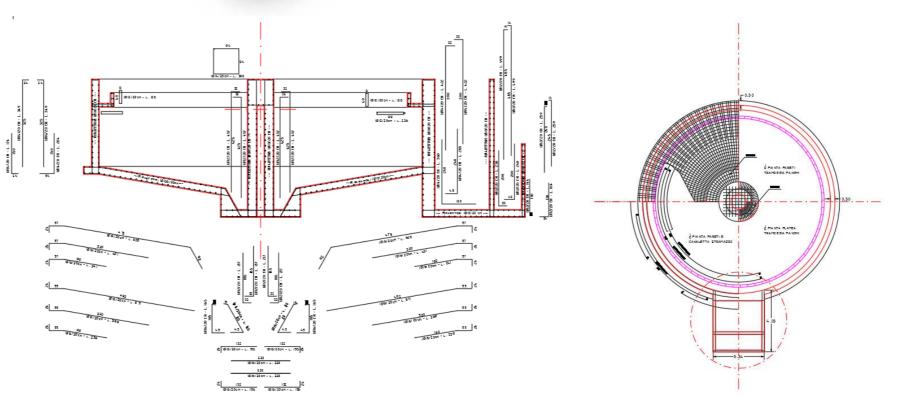




Expansion of the sewer system in the town of Maierato – longitudinal profile

### Water treatment plants





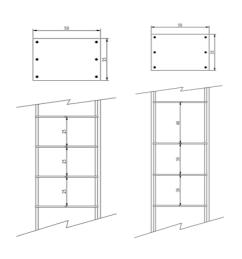
Settling tank of a purification plant

**Engineering** 

# CITY OF PIZZO (VV) STRUCTURAL ADJUSTMENT OF THE BUILDING OF THE ELEMENTARY SCHOOL SAN SEBASTIANO

### Consistency of the work:

- Visual investigation focused on a study of matter of structures;
- Extraction of concrete cores and subsequent crushing test;
- Extraction of steel bars and subsequent testing in the laboratory;
- Critique of the degradation and of the crack pattern;
- Preliminary and final design, construction management and safety coordination of the restoration, renewal and structural adjustment.



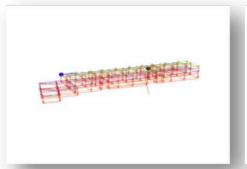
Returning the magnetometric survey













Survey of the crack pattern



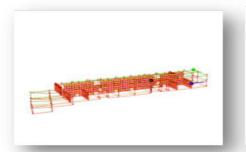






Mathematical model of the existing

**Mathematical model after surgery** 





**Extraction of concrete cores** 



Loading tests on the floor





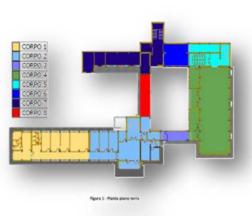


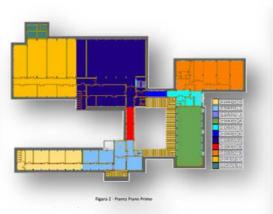


**Strengthening works** 

# PROVINCE OF VIBO VALENTIA INSTITUTE I.P.S.I.A.

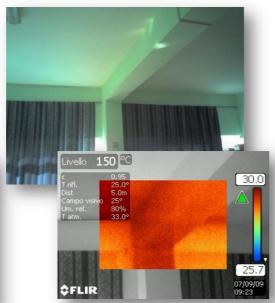














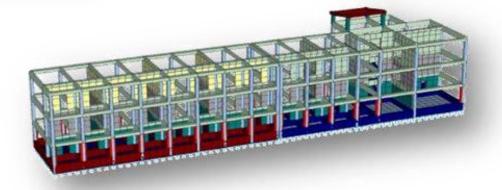


### THERMOGRAPHIC SURVEY TO MEASURE THE WARPING OF FLOORS





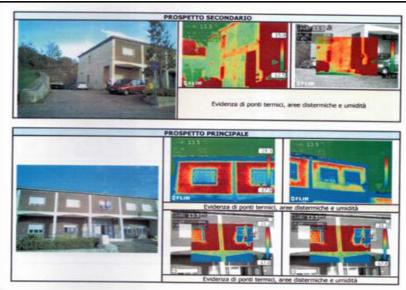




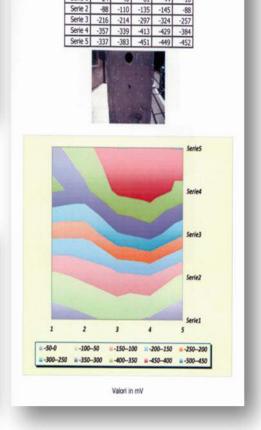
SONIC INVESTIGATION TO VERIFY THE HOMOGENEITY OF THE CONCRETE

# MUNICIPAL ADMINISTRATION OF IONADI (VV) TOWN HALL

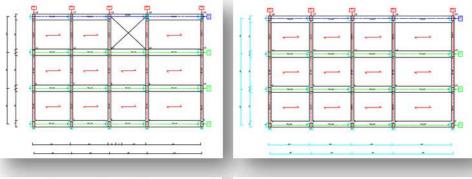


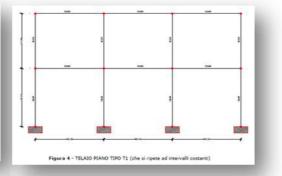


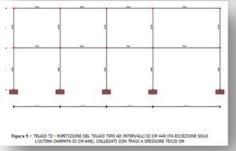


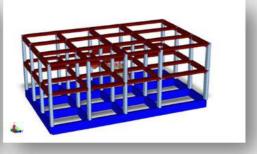


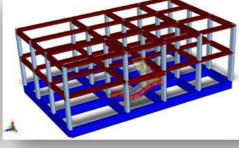
PILASTRO N. 1 - LATO 1

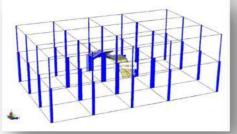




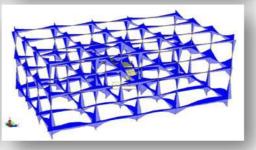












**DETERMINATION OF THE POTENTIAL FOR REINFORCEMENT CORROSION** 

Structural monitoring and controls

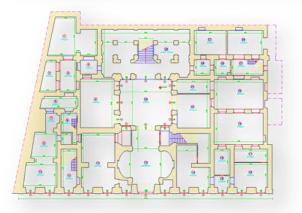
**RETURN OF THE MATHEMATICAL MODEL** 

# CITY OF VIBO VALENTIA (VV) PALAZZO GAGLIARDI - XVI SEC.



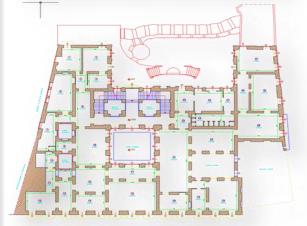






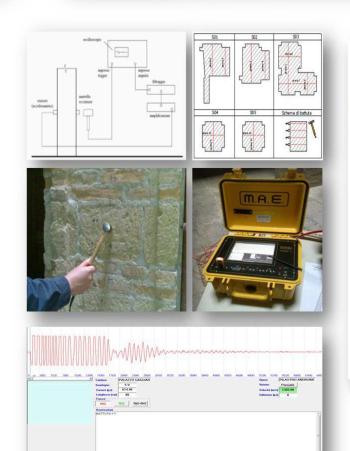


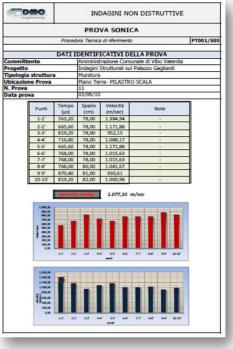








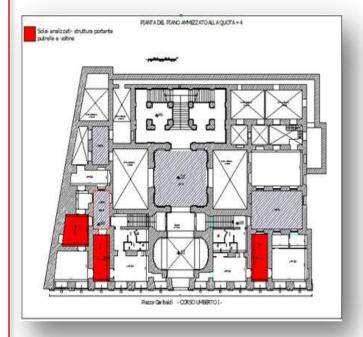


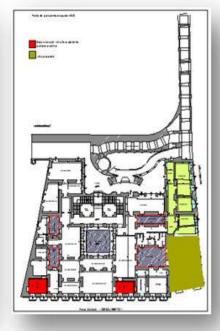


SONIC INVESTIGATION ON SUPPORTING STRUCTURES

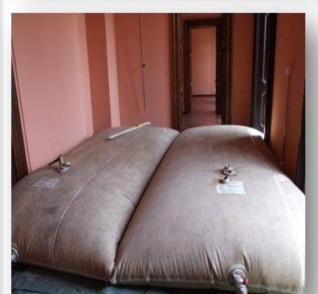
**GEOMETRIC AND MATERIAL RELIEF** 

# CITY OF VIBO VALENTIA (VV) PALAZZO GAGLIARDI - XVI SEC.





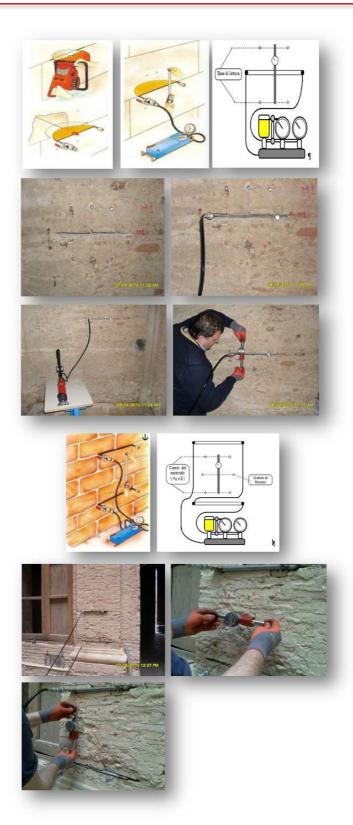












FLAT JACKS SINGLE AND DOUBLE

**LOADING TESTS ON WOODEN FLOOR** 

# Private estate plan









**Urban Design** 











Building for residential

Architecture and interior design

### STC Engineering & Consulting

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