



## Francesco Castellani

**Nationality:** Italian

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Date of birth: 21/04/1988

**Gender:** Male

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### EDUCATION AND TRAINING

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#### PhD student in Engineering and applied science for energy and industry

*Sapienza University of Rome* [ Current ]

#### Building Engineer

*University of Perugia*

[www.unipg.it](http://www.unipg.it)

#### Energy Management Expert for Civil Sector (UNI 11339)

*ICIM spa*

[www.icim.it](http://www.icim.it)

#### ISO 50001 internal auditor

*IMQ spa*

[www.imq.it](http://www.imq.it)

### PUBLICATIONS

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#### Energy efficiency in public historical buildings: an integrated approach. The case of the National Gallery of Modern and Contemporary Art in Rome

[2020]

Francesco Castellani, Federico Santi, Romano Alberto Acri, *"Energy efficiency in public historical buildings: an integrated approach. The case of the National Gallery of Modern and Contemporary Art in Rome"*, 5th AIEE Energy Symposium "Current and Future Challenges to Energy Security", 15-17/12/2020

#### Energy efficiency as a key factor for the sustainability pathway of organizations. The case of the European Space Agency ESA-ESRIN in Rome

[2021]

Francesco Castellani, Maria Carmen Falvo, Federico Santi, Maurizio Della Fornace, *"Energy efficiency as a key factor for the sustainability pathway of organizations. The case of the European Space Agency ESA-ESRIN in Rome"*, 6th AIEE Energy Symposium "Current and Future Challenges to Energy Security", 14-16/12/2021

## Energy efficiency improvement strategies for important historic buildings used as offices. A case study in Rome

[2021]

Francesco Castellani, Federico Santi, Romano Alberto Acri, Alessandro Pelliccia, Valerio di Prospero, Laura Denisa Antonuzzi, Annalisa Zuppa, "Energy efficiency improvement strategies for important historic buildings used as offices. A case study in Rome", 6th AIEE Energy Symposium "Current and Future Challenges to Energy Security", 14-16/12/2021

### WORK EXPERIENCE

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#### Project Engineer

*Studio Santi*

Country: Italy

Energy efficiency, environmental sustainability, renewable energy source power plants:

- Energy efficiency masterplan of the National Gallery of Modern and Contemporary Art in Rome;
- Design of the new heat pump heating and cooling plant of the National Gallery of Modern and Contemporary Art in Rome;
- Design of the new ventilation system of the National Gallery of Modern and Contemporary Art in Rome;
- Design of the new Building Integrated PhotoVoltaic skylights of the National Gallery of Modern and Contemporary Art in Rome;
- Design of the new Combined Heating, Cooling and Power plant for the ACC in Ciampino Airport (Rome);
- Design of the new lighting systems of the ENAV ACC in Ciampino Airport (Rome);
- Design of the new lighting systems of the ENAV ACC in Padova;
- Design of the new lighting systems of the ENAV Headquarter in Rome;
- Design of a 70 MWp agro-voltaic power plant in Celentano (Puglia).

Energy management, ISO 50001 EMS:

- ISO 50001 Energy management system of the National Gallery of Modern and Contemporary Art in Rome;
- Energy audit and energy efficiency assessment of the ESA ESRIN site in Rome.

### LANGUAGE SKILLS

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Mother tongue(s): **Italian**

Other language(s):

**English**

**LISTENING B2 READING B2 WRITING B2**

**SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2**

### DIGITAL SKILLS

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MS Office / AutoCAD / Energy modeling