

Ing. Federico Belfi



Professional Summary

I am an Energy Engineer certified Expert in Energy Management (UNI CEI 11339) with extensive experience in energy efficiency projects. I have successfully led initiatives to enhance energy efficiency and sustainability, particularly within the industrial sector. As a Councillor of the Order of Engineers of Viterbo, I coordinate the "Energy and Plants" Commission, focusing on energy performance verification and compliance with regional standards. My work has significantly contributed to securing substantial funding for energy projects, demonstrating my expertise and leadership in the field.

Experience

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| Founder | Cybermatix S.r.l. – Viterbo | 2025 – Present |
| <ul style="list-style-type: none">› Development of industrial automation systems.› UAS Critical LIDAR and Thermal operations. | | |
| Vice-President | Ordine degli Ingegneri – Viterbo | 2022 – Present |
| <ul style="list-style-type: none">› Coordinating the "Energy and Plants" Commission.› Working in the focus group related to the APE Lazio verification. | | |
| Consultant | Interpro Eng. Co. s.r.l. – Civita Castellana, IT | 2021 – Present |
| <ul style="list-style-type: none">› Focused on energy efficiency and sustainability in civil applications.› Responsible for the MEP part in responses to public bids for large structures. | | |
| Consultant | A.p.e.a.l. s.c.a.r.l. – Civita Castellana, IT | 2021 – Present |
| <ul style="list-style-type: none">› Development of energy, waste, and second life material balances.› Responsible for the mandatory document "Diagnosi Energetica 102/2014". | | |
| Board Member | Biometano Tuscia S.r.l. – Viterbo, IT | 2020 – 2022 |
| <ul style="list-style-type: none">› Collaborated to develop and execute strategic plans for the biomethane production plant.› Contributed to securing funding opportunities for company expansion. | | |
| Project Manager | Stamnos Energy s.a.s. – Viterbo, IT | 2019 – Present |
| <ul style="list-style-type: none">› Responsible for projects timeline design and control.› Implemented the new Power Monitoring Cloud Service. | | |
| Sales Engineer | Argotec s.r.l. – Torino, IT | 2018 – 2019 |
| <ul style="list-style-type: none">› Managed customer communications regarding thermal management devices. | | |

Project Engineer

Argotec s.r.l. – Torino, IT

2017 – 2019

- › Managed small projects of short duration coordinating up to 8 external companies for specific work packages.
- › Supported operation on ISS Payloads.

Education

MSc Engineering

University of Pisa – Pisa

2017

- › Thesis: Pulsating Heat Pipe: an innovative heat exchanger for non-conventional applications.
- › Project: PHOS Project(ESA/DLR/SSC) - Payload Manager / Thermal Design
- › Project: ESA 61th parabolic flight campaign - Labview Software
- › Project: Formula Student SAE (E-Team Squadra Corse) - Powertrain Consultant

BSc Engineering

University of Pisa – Pisa

2013

- › Thesis: Experimental analysis of Closed Loop Two Phase Thermosyphon (CLTPT).
- › Project: Formula Student SAE (E-Team Squadra Corse) - Powertrain Team Leader

Certifications

- › UAS Specific - ENAC (2023)
- › EcoStruxure Building: SmartX Engineering Certification - Schneider Electric (2023)
- › UNI CEI 11339 Certification - ACCREDIA (2019)
- › Power Monitoring Expert Certification - Schneider Electric (2019)

Publications

- › "Space structures with embedded Flat Plate Pulsating Heat Pipe built by Additive Manufacturing technology" - IHPC Int. Heat Pipe Conference, 2018.
- › "Phos Experiment: Thermal Response of a Large Diameter Pulsating Heat Pipe on board REXUS 18" - ESA Symposium, 2015.
- › "A pulsating heat pipe for space applications: Ground and microgravity experiments" - Int. Journal of Thermal Science, 2015.

Skills

- › **Languages:** Italian (Mother-tongue), English (B2), French (Basic).
- › **Software:** Microsoft Project, MATLAB, Python, LaTeX, SolidWorks.
- › **Technical Skills:** Energy Management and Efficiency, Thermal Management, Project Management, IA interaction.

Interests

Motorcycle, Cooking, Sailing, F3K competition, Impro comedy, Travel, Space, Rugby.