

RICCI NICOLA

Energy Engineer

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EDUCATION

University of Pisa

Energy engineering (L-09), DESTEC department

2014 - 2020

Pisa

University of Pisa

Energy engineering (LM-30), DESTEC department

2020 - ongoing

Pisa

Thesis (ongoing) Deployable Pulsating Heat Pipes for Thermal Management Applications: Effect of Gravity Orientation (Project Financed by ESA, in Cooperation with the University of Parma and the University of Brighton)

ACCADEMIC EXPERIENCE

Project:

Syngas power plant

2019

Analysis of Mulazzo syngas power plant and relative district heating, during the project new belt dryer for biomass and two heat exchangers were projected.

Project:

Energy management

2021

During the project, the team finalized some solutions to integrate renewable energy for electrical and thermal systems in the production and storage of wine. All evaluation, was correlated with the net present value analyses.

Project:

CFD study for gurney flap

2022

CFD simulation for a wind turbine with blade NACA0018 with the installation of gurney flap vs NACA4418 for micro eolic generation (under 10kW) to evaluate the drag effect on the blade concerning the lift benefits.

Hackathon

Energia del Futuro

2020

Winner of the Hackathon II distributore del futuro organized by Ricarica-FERA S.R.L with the patronage of Pisa University

CERTIFICATION:

COMPEX

2022-2027

Detailed modules:

- **Ex01:** Preparation installation of Ex'd,n',e' and 'p' electrical equipment
- **Ex02:** Maintenance inspection of Ex'd,n',e' and 'p' electrical equipment
- **Ex03:** Preparation installation of Ex'i' equipment and systems
- **Ex04:** Maintenance inspection of Ex'i' equipment and systems

Certified AS/NZS

2022

Detailed modules:

- **Clause:** 2.2, 2.3, 2.4, 2.5, 2.6, 2.7
- Required for work in Australian Ex project

SNT-TC-1A, Level II

Expired

2018-2022

Detailed achievements:

- Visual Testing (VT)
- Liquid Penetrant Testing (PT)
- Magnetic Particle Testing (MT)
- Ultrasonic Testing (UT)
- Radiographic Testing (RT)

LANGUAGES

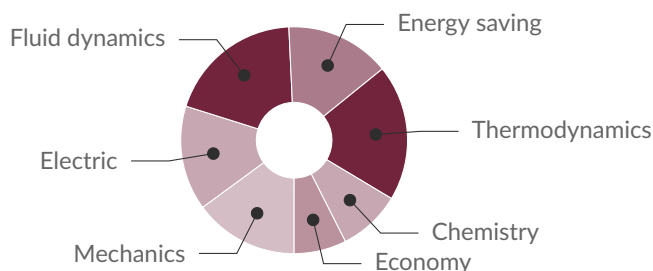
Italian

Mother tongue

English

B2 suitability check at CLI ("Interdepartmental Language Center") of the University of Pisa. This level is required to get graduate

OVER-ALL ACCADEMIC EXPERIENCE



WORK EXPERIENCE

NEXT srl - Looking Further

09/2020-05/2021

Massa

- Collaboration with **Bureau Veritas** as key account assistant to support QC Baker Hughes team.

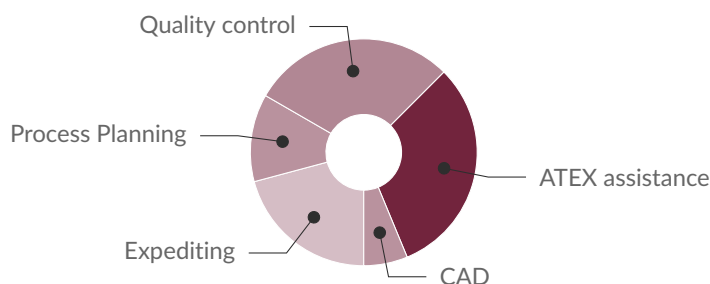
Bureau Veritas Italia

05/2021-03/2023

Massa-Firenze

- Technical assistance and ATEX inspector for SBM/BH projects: MERO2-MERO4-LIZA3-MARLIM1-MARLIM2-ALMIRANTE
- Expediting finalized for UL/CSA/FM certification for DOS BOCAS project.
- ATEX inspection in **Renk**- Germany (Augsburg) on various Gear-Box and intrinsic safe equipment.
- ATEX inspection and Thermal test in **BH-Hungary** on Remote I/O panel for certification proposal.

OVER-ALL WORK EXPERIENCE



SOFTWARE SKILLS

- Engineering:
 - Matlab
 - AutoCAD
 - Ansys-FLUENT
 - Ansys-ICEM
- Writing and Organization:
 - LaTeX
 - Microsoft Word
 - Microsoft Powerpoint
 - Microsoft Excell
- Creativity
 - Adobe Photoshop
 - Adobe Illustrator
 - Canva

HOBBIES

- 3D-printing
- Virtual Reality
- Writing Energy article
- Mountain
- Painting
- GW and WoTC