


Manon TELLIER

Energy Engineer

Master of Engineering in Energy

 20 rue Taupin, 31500 Toulouse, France

 +33 (0)6 25 86 09 69

 manont62@hotmail.fr

SUMMARY

Involved in the technical design of public buildings and structures, from hotels and educational establishments to swimming pools, from conception to construction. My work includes management of technicians, calculation of energy optimisations and cost savings, design of HVAC (heating, ventilation and air conditioning) systems and being in direct liaison with project interlocutors.

Good ability to comprehend the complex energy industry and adapt to project requirements. Attained Masters in Energy Engineering with international industry experience.

WORK EXPERIENCE



Energy Engineer, CD2i

February to August 2017 • Toulouse, France

Engineer in charge of the energy design of two public swimming pools as separate construction projects. Maintained a direct relationship with architects and worked with the providers of heat, ventilation and water treatment systems, in order to effectively maximise cost savings and ensure the timely provision of work packages during the realisation of each construction project.

- Drawing by hand of schematic layouts, suggestions for the placement of heat, water treatment and ventilation as required by the draughtsman
 - Achievement of energy feasibility studies
 - Software configuration to create dynamic simulations
 - Sizing of heat, ventilation, water treatment systems
 - Writing of technical specifications
 - Contribution to design meetings
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- 2 technicians to manage • 950 h of engineering
 - 500 000 € turnover for the company



Thermal Engineer, Math Ingénierie

November to December 2016 • Toulouse, France

Contributed to the energy auditing of residential buildings and their thermal simulation, in order to propose solutions to reduce their overall energy consumption. These improvements allowed residents to pay less bills and the property developer to increase sales through the advertising of greener buildings.



HVAC Designer/Engineer Intern,

Egis Bâtiments Sud-Ouest

March to August 2016 • Toulouse, France

End-of-course internship for 6 months in the engineering and energy design department of Egis Group. Continued the design of HVAC systems on public construction projects for a hotel, college and office respectively.

- In charge of thermal simulation, ensuring compliance of the energy efficiency of the buildings with client requirements and French thermal regulations
- Analysis of quotes from companies
- Visited construction yards to verify correct application of ventilation plans to the building site



Technician Intern, Sasie Ltd

May to August 2016 • Nottingham, UK

4 months of internship in a design and technical team at Sasie Ltd, a British company specialized in renewable energies. Worked on the LIME House project, a modular house to include solar PV and heat pump. Researched insulation materials which could be used to allow the house to reach Passivhaus standards.

Tutor of courses to school/college level

2010 to 2017 • Maths, Physics, Chemistry (15h/week)

SKILLS

Languages : French (native), English (professional, TOEIC level B2 – 870 points), Spanish (intermediate)

Computing : Microsoft Office, Pléaides+Comfie, Alcyone, Climawin

EDUCATION



Master in Engineering, Energy

2013 to 2016 • IMT Mines-Albi

Fields of training in energy management:

- Fluid Mechanics
- Energy systems in buildings
- Energy and Transfer Sciences
- Green Architecture
- Physics in buildings

Preparatory Classes (the French “Grandes Ecoles” preparation)

2010 to 2013 • Maths, Physics, Chemistry

INTERESTS

Gym • travelling • music (3 years of guitar) • cinema