

# Robin Van Hoeck

## Experience

### **Design Engineer** - Tractebel Nuclear

2017 - Present

#### Process - Nuclear fluid systems

2019 - Present

- Technical design of fluid systems: *e.g. Feasibility study of spent fuel pools mobile cooling*
- Expert in nuclear power and plant design: *Engineering support, analysis and technical consulting for Belgian and international plant operators, confirmed in Doel 1&2 operator training.*
- Hydraulic and thermal modelling: *e.g. R&D lead for the development of a Modelica library for fluid systems modelling*
- Technical lead and mentor: *Coordinator for OPTIMOV studies, lead engineer for PSR3 Fire Hazard Analysis, managing of interns*

#### Mechanical Equipment - Design and supply

2017 - 2019

- Design, procurement, qualification and expertise in mechanical equipment
- Tractebel Nuclear Traineeship: *400+ hours of industry specific & soft skills training*

### **Project Engineer** - Axima Refrigeration

2016 - 2017

- Engineering, procurement and installation of industrial cooling installations

### **Member & VP** - Board of European Students of Technology

2013 - 2016

## Education

### **Master in Management**, KU Leuven

2015 - 2016

Magna Cum Laude

Thesis: Railway pricing in Belgium and neighbouring countries, prof. dr. Stefaan Proost

### **Master in Mechanical Engineering**, KU Leuven

2010 - 2015

Option Thermotechnical Sciences

Cum Laude

Thesis: Design of a feeder for cohesive carbon particles, prof. dr. ir. Eric Van den Bulck

## Data

°1992

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## Profile

Versatile engineer with a nuclear-grade mindset.

Driven to advance the global effort in energy, climate and sustainability by tackling fundamental challenges through research and analysis.

## Skills

- Programming (*Python, Java, VBA*)
- Hydraulic and thermal modelling (*Modelica, Matlab, PIPE-FLO*)
- Technical writing & presenting
- CAD (*SolidWorks*)
- Microsoft Office, LaTeX

## Languages

Dutch (*Native*)

English (*C2*)

French (*B2*)

## Hobbies

Running, hiking

Music, guitar, concerts

Travel