



humasol

Humasol. Renewable technology for all.

About us

**Humasol
projects**

**A personal
experience**

**Become a
project
volunteer**

**Become part
of our board**

**A personal
experience (2)**

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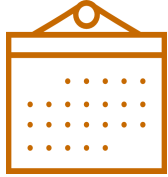


Renewable Technology For All

- Perform projects concerning **international solidarity**
- In the field of **ecological and sustainable technology**
- Collaborate with **local partners** to enable them to maintain, repair and reproduce installations in their community



Key figures



Active since 2008



Projects executed by
300+ students



Executed 100+ projects



Current organization

- 11 board members
- 41 members
- 45 project volunteers
- 12 projects this year



Projects in 18
different countries

Projects worldwide



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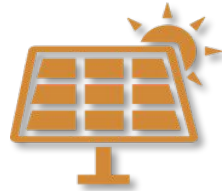
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Different technological sectors



Cooling solutions



Solar energy



Water supply



Waste water treatment



Waste Management



Agricultural solutions



Aquaculture technologies



Cooking solutions

Ekisande - Uganda



Elgon Fresh Solutions - Uganda

Harvest



On-farm storage



Transport



Central cooling



Market



Cacana - Uganda



Live the project from beginning to end...

- September - June:
 - Define project requirements
 - Literature study
 - Design and plan of action
 - Budget planning
 - Build and test
- July - August:
 - Travel to project location
 - Bond with local community
 - Implement the designed solution

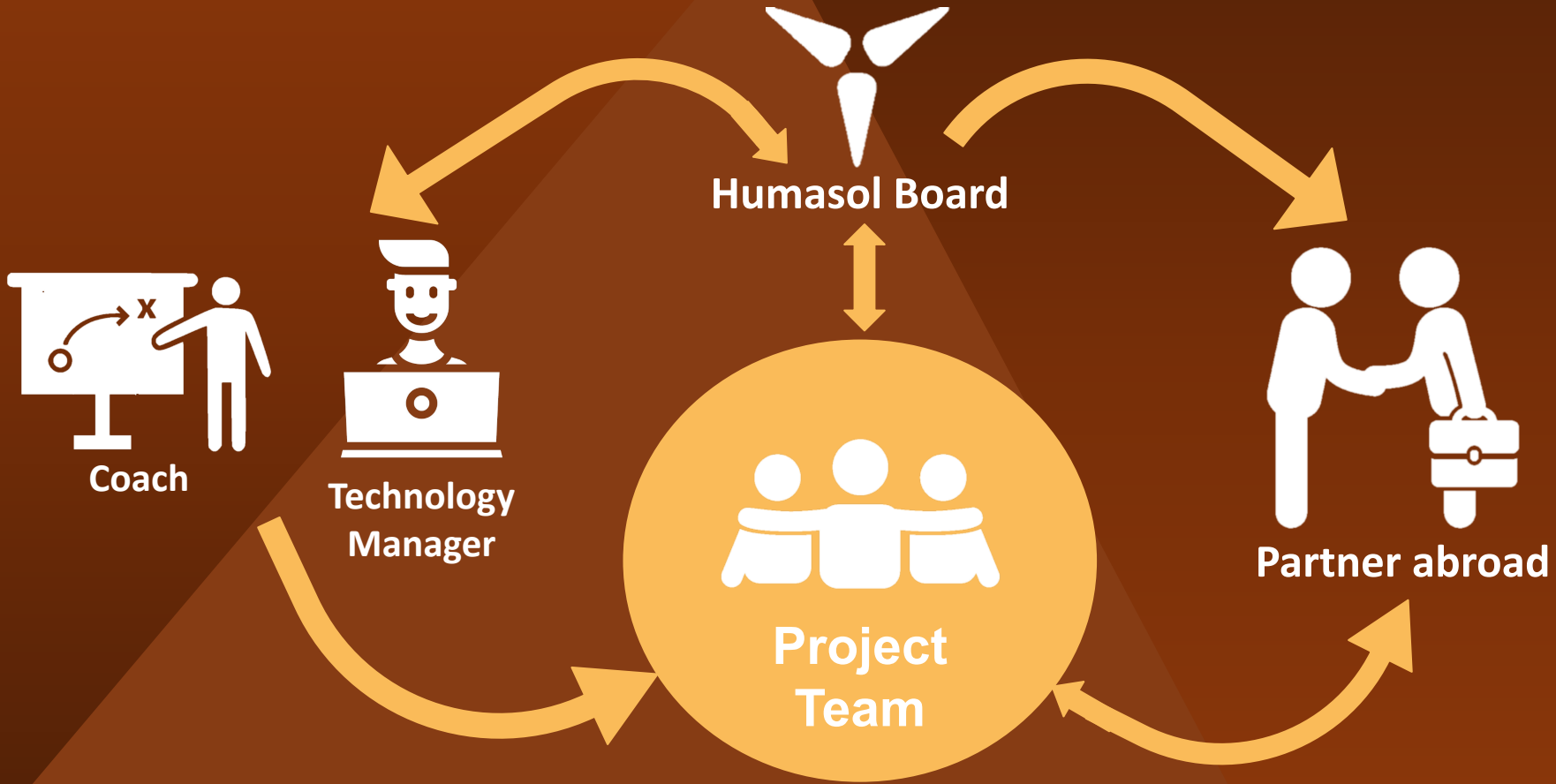


...with some help

Do it in team

- Three – four students per team
- Get a...
 - Coach
 - Partner relations responsible
 - Technology manager
- Advice from
 - Experienced members
 - Our board
 - Companies
 - Academics





Humasol Board

**Technology
Manager**

**Project
Team**

Partner abroad

Coach

Why should you apply?

Real
impact

Theory
in
practice

Personal
development

International
experience



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Solar panels in Benin 2022-2023

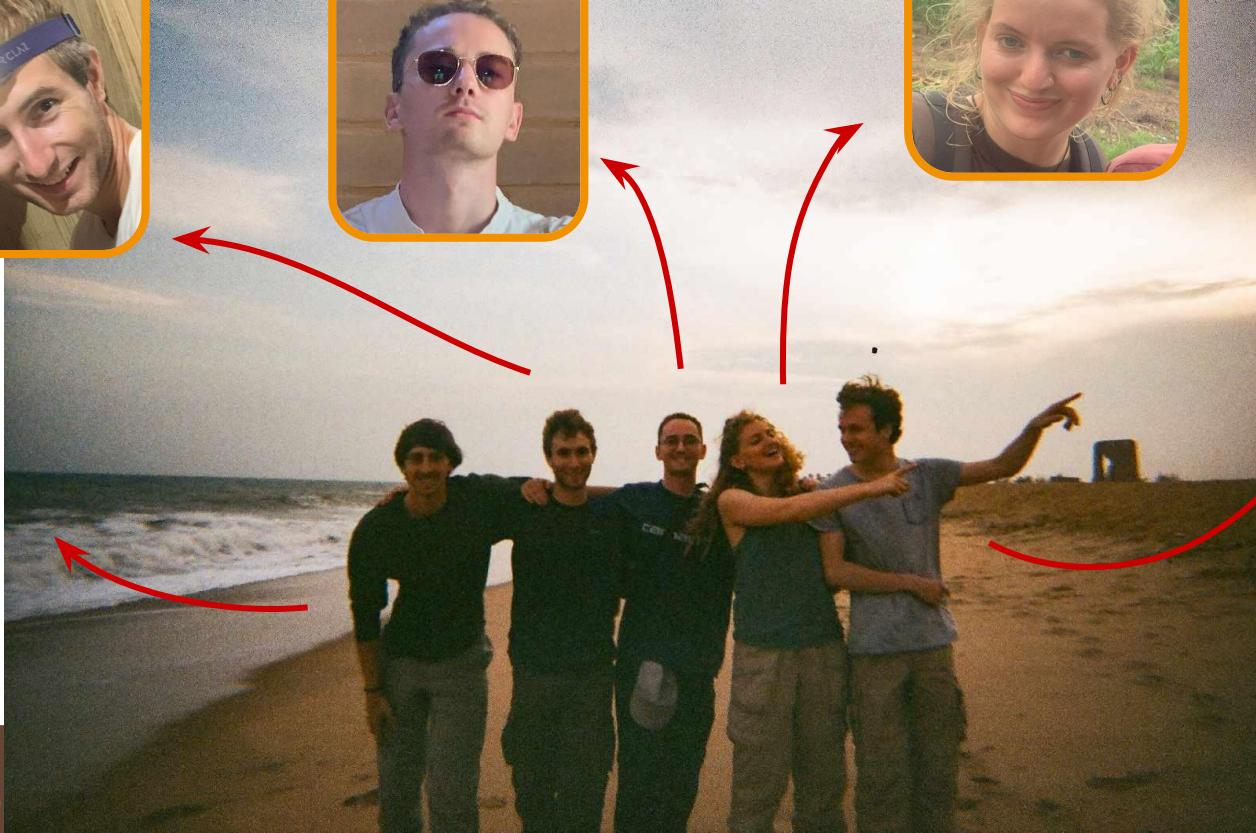


STICHTING
HUBI & VINCIANE

Werken aan een droom met Benin



The team



Benin, Parakou



Parakou



Cotonou



Dassa

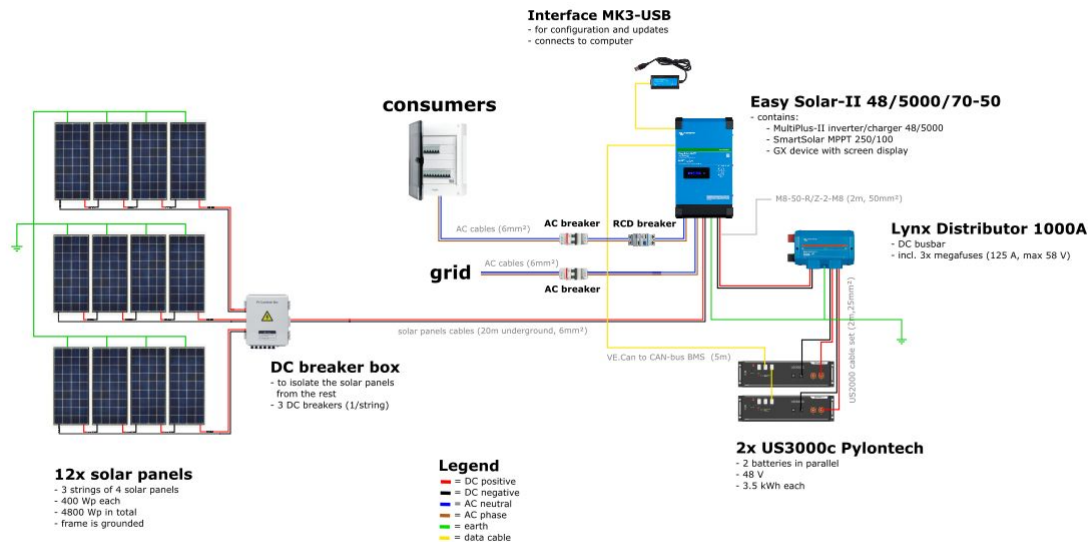


The project

innovation centre



The theory



The practice



Putting up the frame



Digging, digging, digging



Solar panels



One more..



Finished!



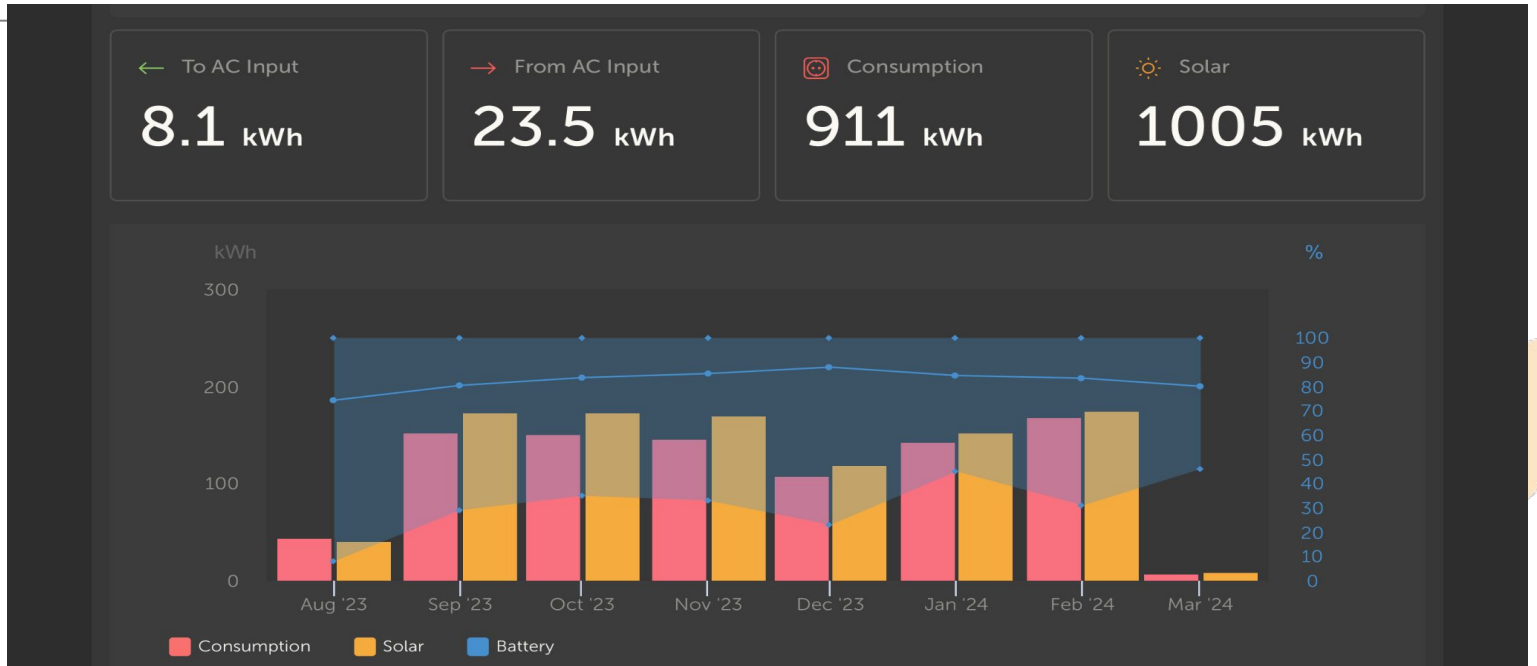
..and from the inside



More than PV



Today



After the project

- Coaching



- Function in the board



- Logistic support





An adventure to never forget



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Who are we looking for?



Technical,
social and
economic

Hands-on
mentality

Willing
to learn

Motivation

Academic
engagement

Required documents

01 Resume

02 Application
Form

03 Academic
transcripts

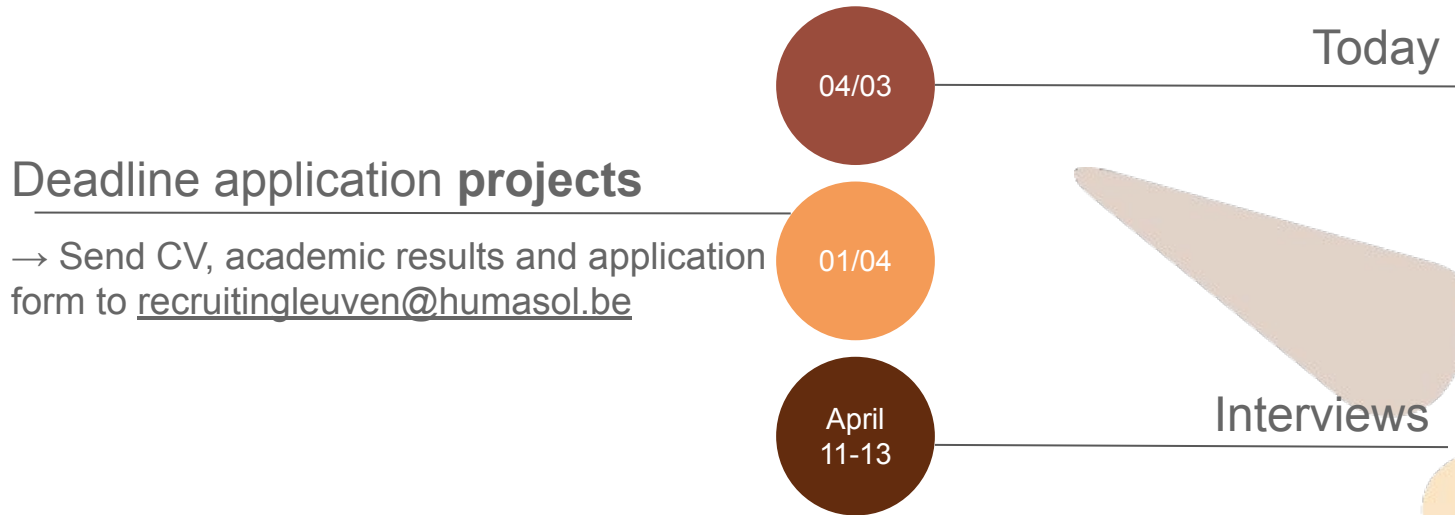


<https://www.humasol.be/doe-mee-projectstudent/>

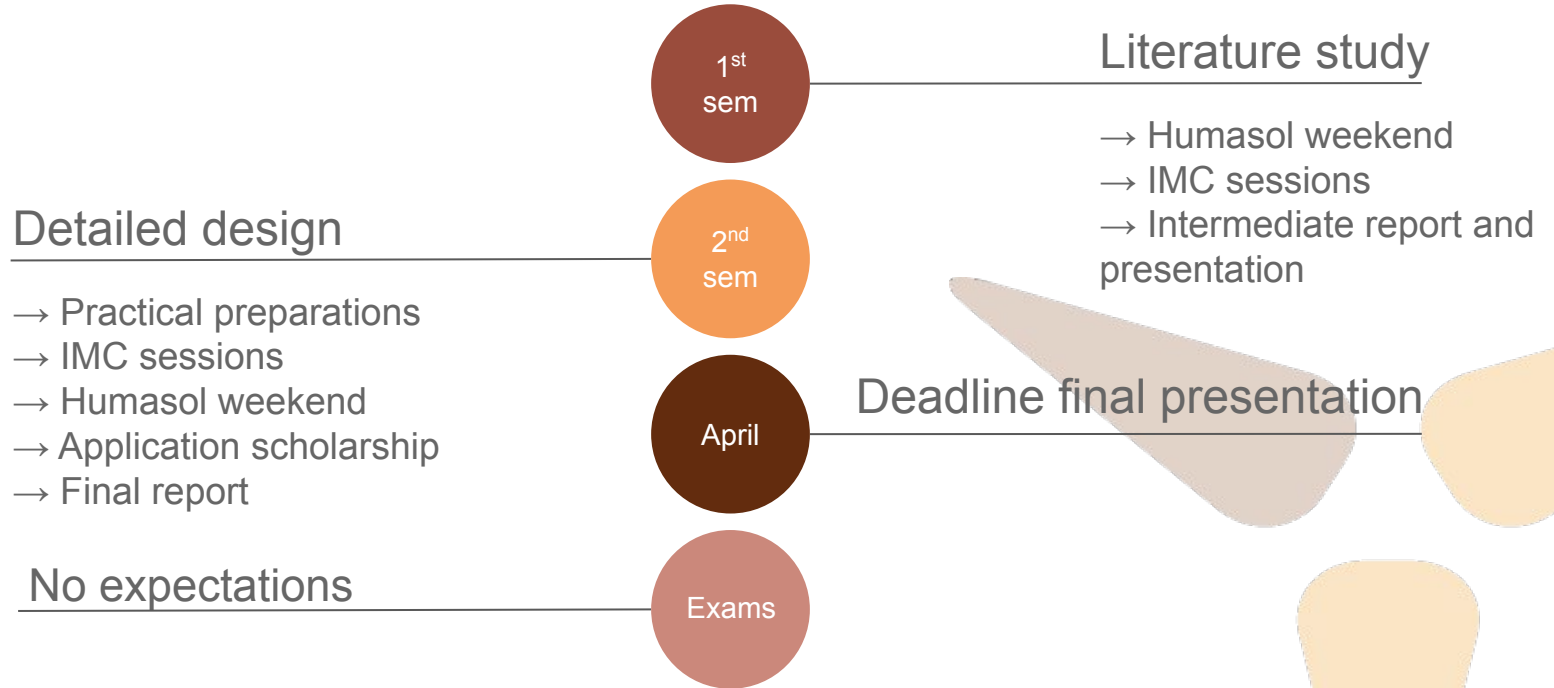


recruitingleuven@humasol.be

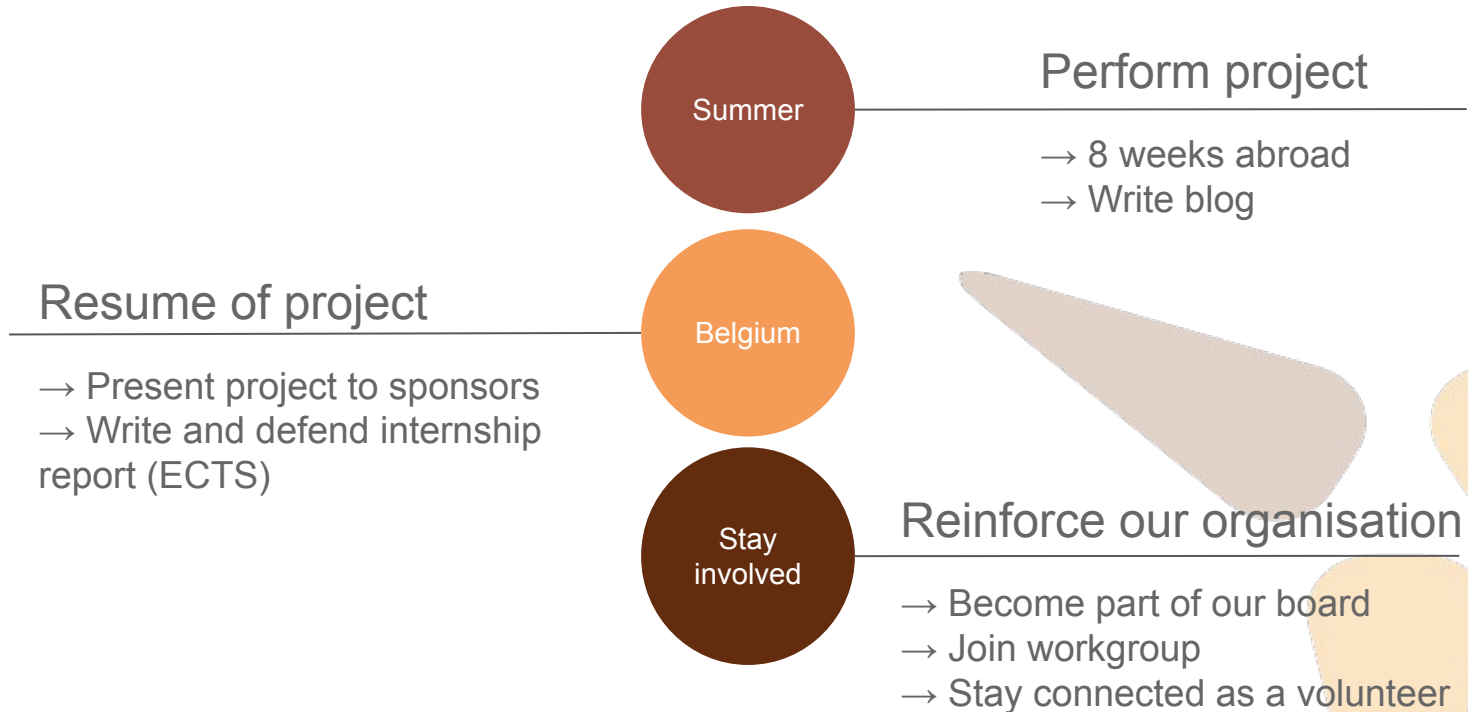
Timeline (1)



Timeline (2)



Timeline (3)



FAQ



You **cannot** apply for a **specific project** (only preferences)



Personal costs: flight, accommodation (max 3 euro/night), food and vaccinations →estimated: 2.000 euros (However: grant & fundraising)

Project costs: materials etc. are paid for by Humasol and the partner



Motivation > the right background information



It is possible to use a Humasol project as an **internship** (criteria differ per faculty)

Remote project?



Remote projects



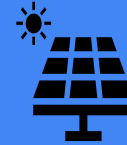
Ensure safety:
We cannot send volunteers to countries with negative travel advice



Social impact:
These countries often have the greatest need of our support



Solution: remote projects
Support projects remotely.
Follow-up on execution from Belgium.



Sustainability:
Avoiding flights cuts our carbon emissions by more than 70 %



Action Lutte Contre la Pauvreté – Burkina Faso



School in
Ouagadougou
with 600 students



Lacking proper
water supply and
sanitation



- Students line up for water and miss school
- Increased risk of infections
- Girls miss school during menstruation



Solution:
Humasol supports
installation of solar
pump and sanitation



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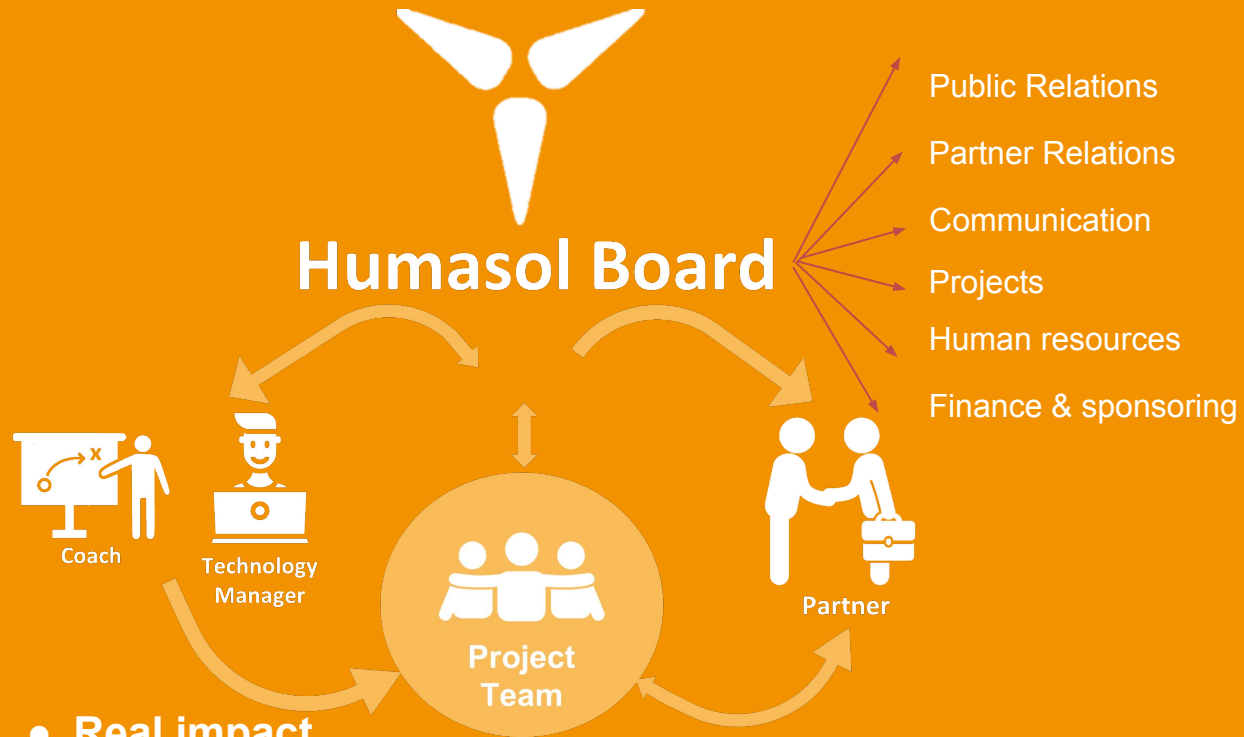
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**A personal
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Meet new people and build new friendships

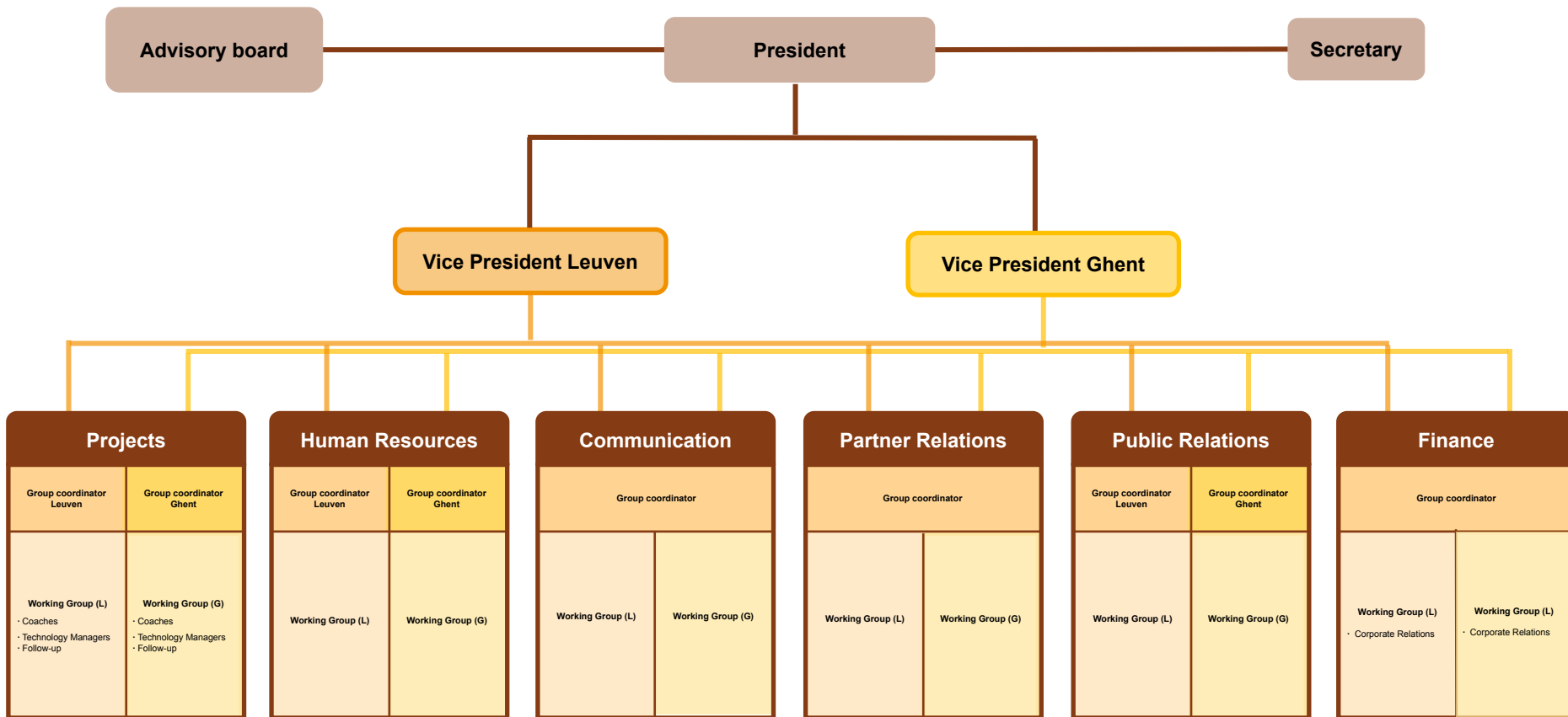


What's in it for who?



- Real impact
- Personal development
- Social skills

Our organisational structure



Timeline



How to apply?

01 Resume

02 Application
Form



<https://www.humasol.be/doe-mee/doe-mee-organisatie/>



recruitingleuven@humasol.be

Find us



www.humasol.be



Humasol vzw



@humasolbelgium



Video: Humasol - We need you!
<https://youtu.be/HSc7uqvVPWE>



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From Waste To Wind

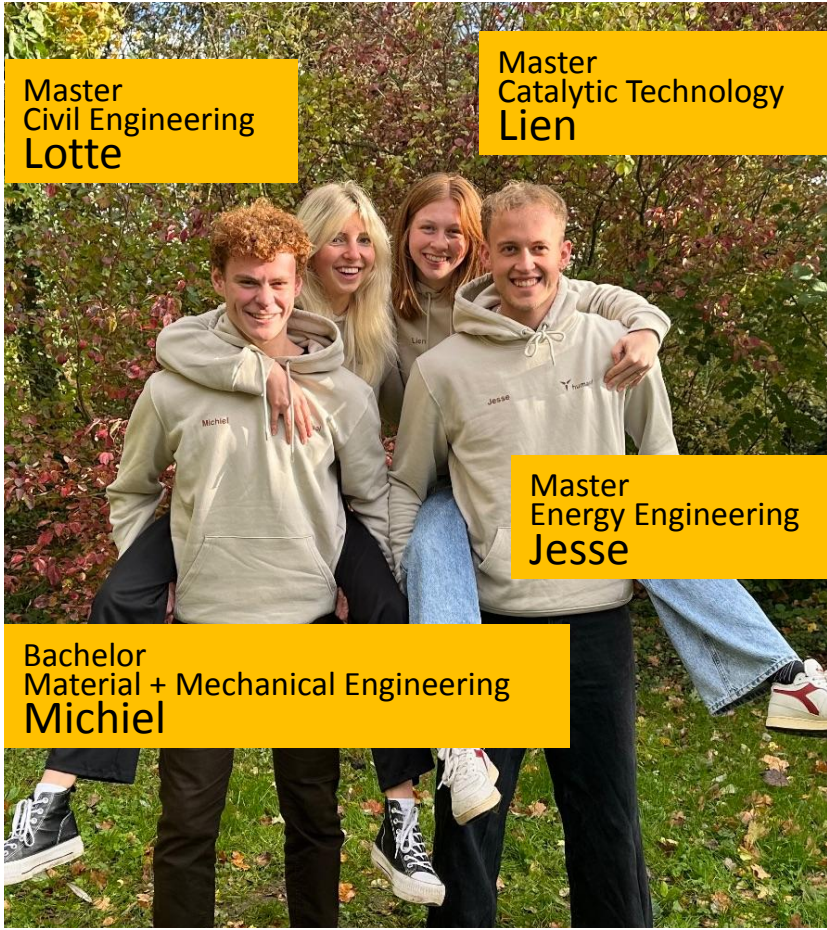


We are not alone...

Partners
Margriet **Jeroen** **Mpatso**



Technology manager
Bram



Master
Civil Engineering
Lotte

Master
Catalytic Technology
Lien

Master
Energy Engineering
Jesse

Bachelor
Material + Mechanical Engineering
Michiel

Coach
Frederik



Projects coordinator
Maarten



+ Humasol board

Problem statement

Partners
Margriet Jeroen Mpatso



Green Malata Entrepreneurial village in Malawi

Project Jeroen

- 2 small-scale wind turbines
 - 6m and 9m high
 - 3m blade diameter
- Local sourcing



Problem statement

Partners
Margriet **Jeroen** **Mpatso**



Green Malata Entrepreneurial village in Malawi

Project Jeroen

- 2 small-scale wind turbines
 - 6m and 9m high
 - 3m blade diameter
- Local sourcing



Humasol project

- New small-scale wind turbine
 - 10m high
 - 4m blade diameter
- Ambition for wind turbine producing company
- Local sourcing



Problem statement

Technology manager
Bram



Start up Bram

- 3D printed blades
 - future: from recycled material
- proof of concept



The solution

