



Team

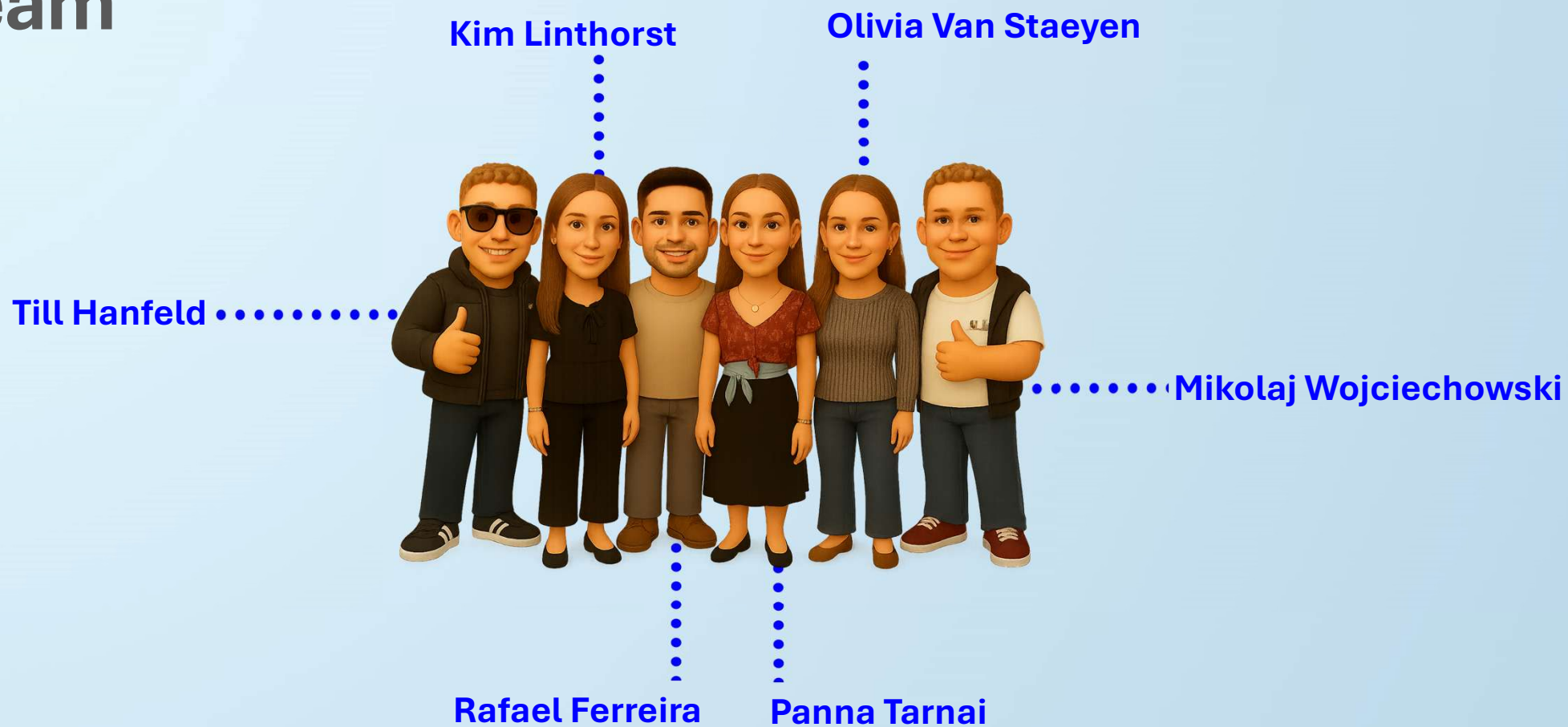


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Problem to solution

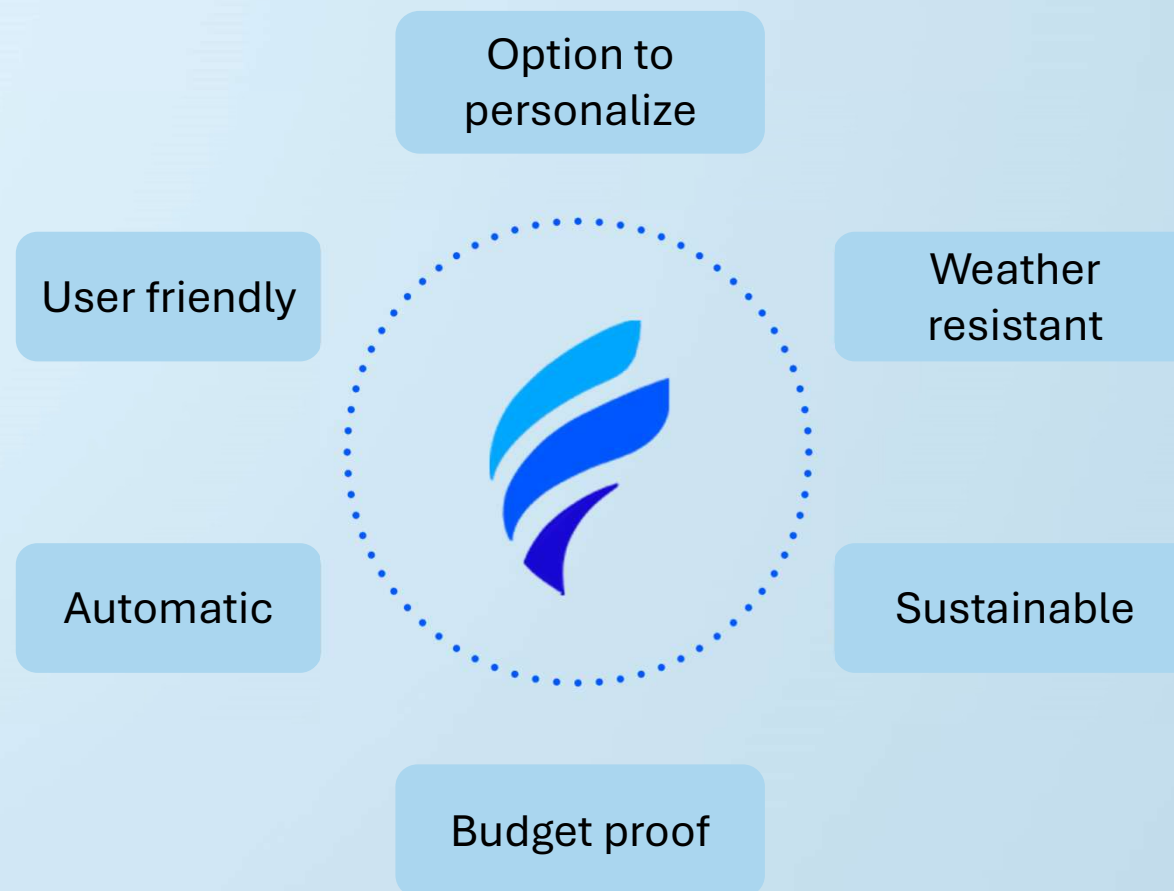
Amateur athletes often
struggle to stay hydrated



Outdoor hydration station that offers free
hydration and the option to personalize
your drink with supplements



Requirements



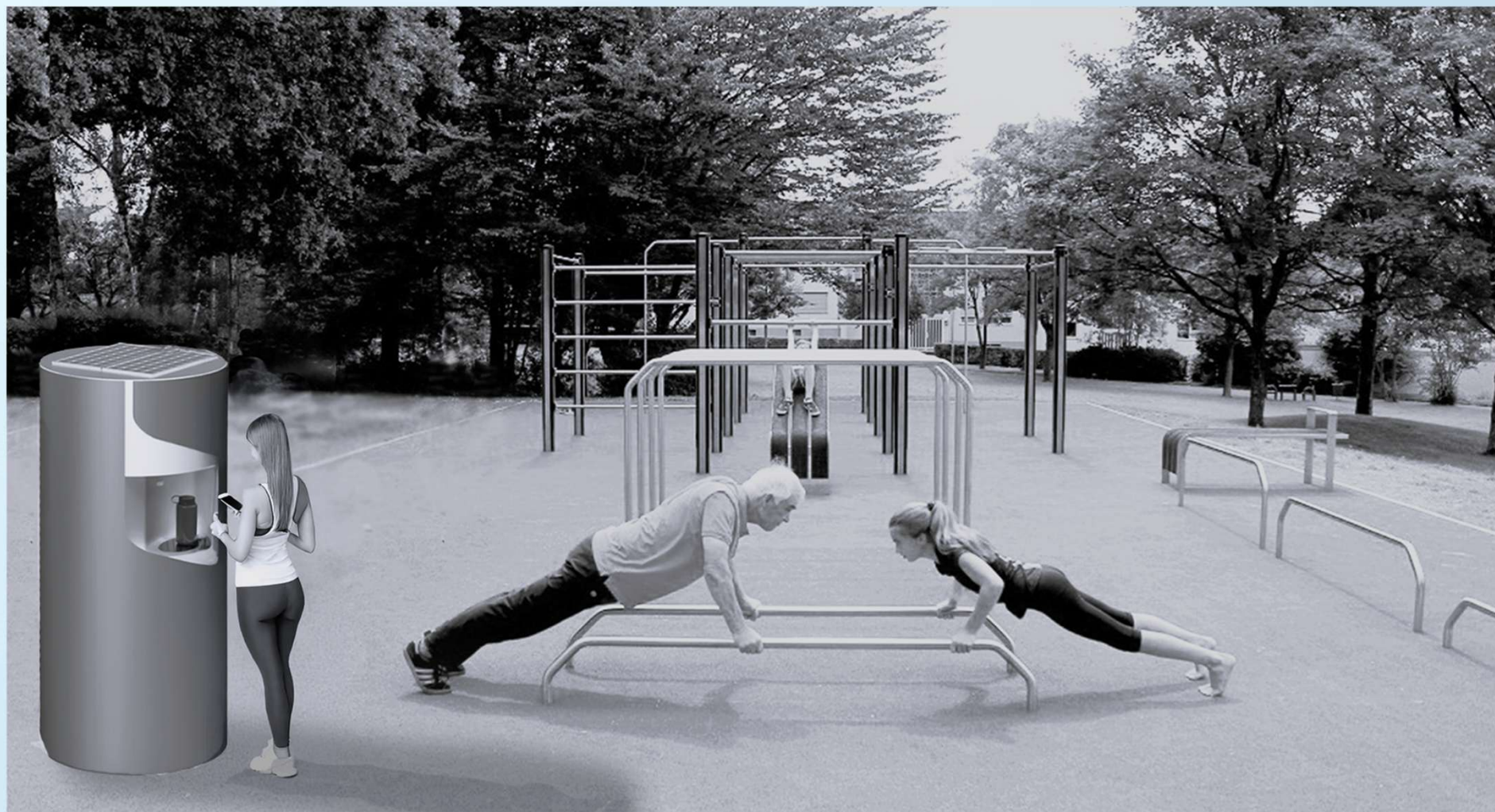
Design



Top maintenance door

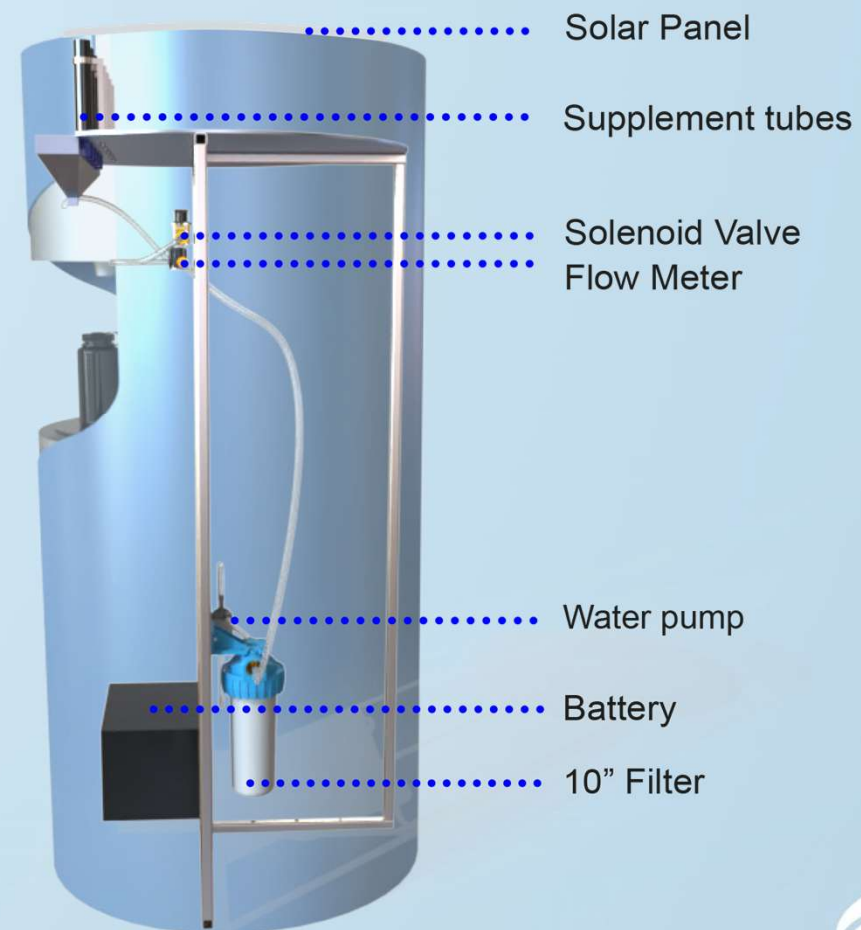
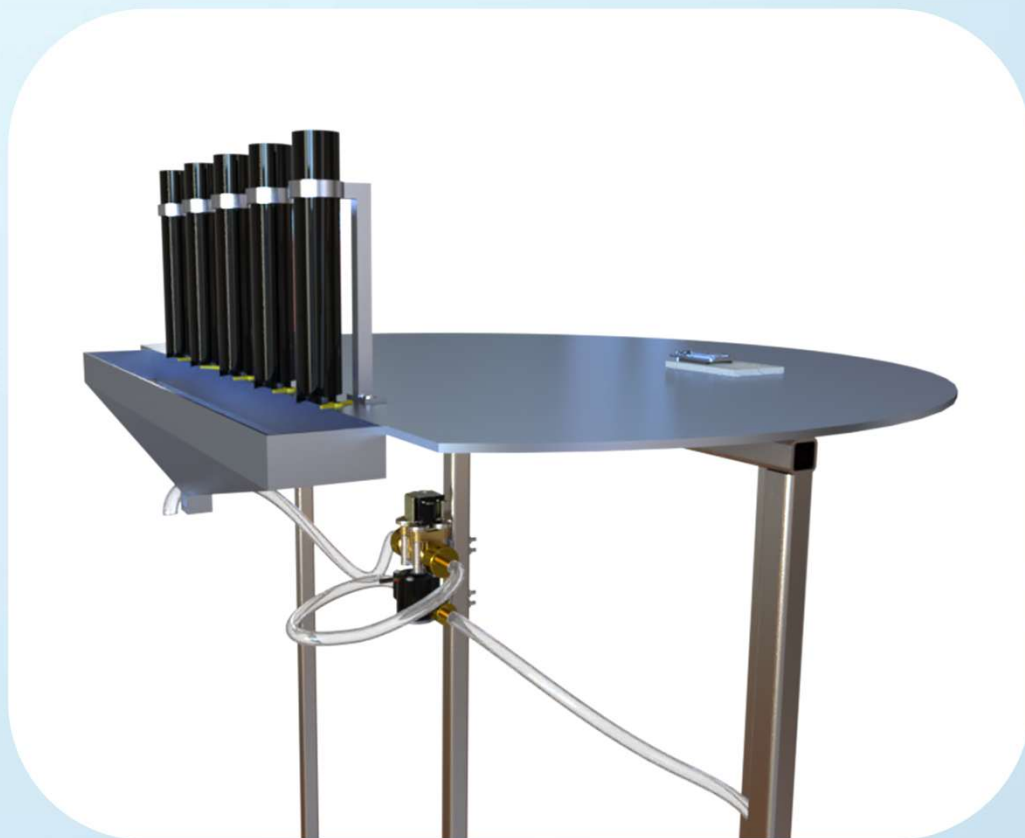
Bottom maintenance door







Components




Application



10:00 5G

Login



Email

Password

Login

Don't have an account? [Sign up](#)

10:00 5G

Register

First name Last name

Email

Phone number

ID-number

Persona creation

☒ Agree with [Terms & conditions](#)

Create account

10:00 5G

< Home

☐ Choose yourself

☒ Follow suggestion

Confirm

Home Bibolink More

10:00 5G

< Home

Select when

Before workout

During workout

After workout

Running

Choose water amount

0 ml 500 ml

Confirm

Home Bibolink More

10:00 5G

< Home

Select when

During workout

Selected sport

Running

Choose water amount

500 ml

Confirm

Home Bibolink More

10:00 5G

BiboLink
Stay fit, stay hydrated

500ml
Electrolytes

Confirm

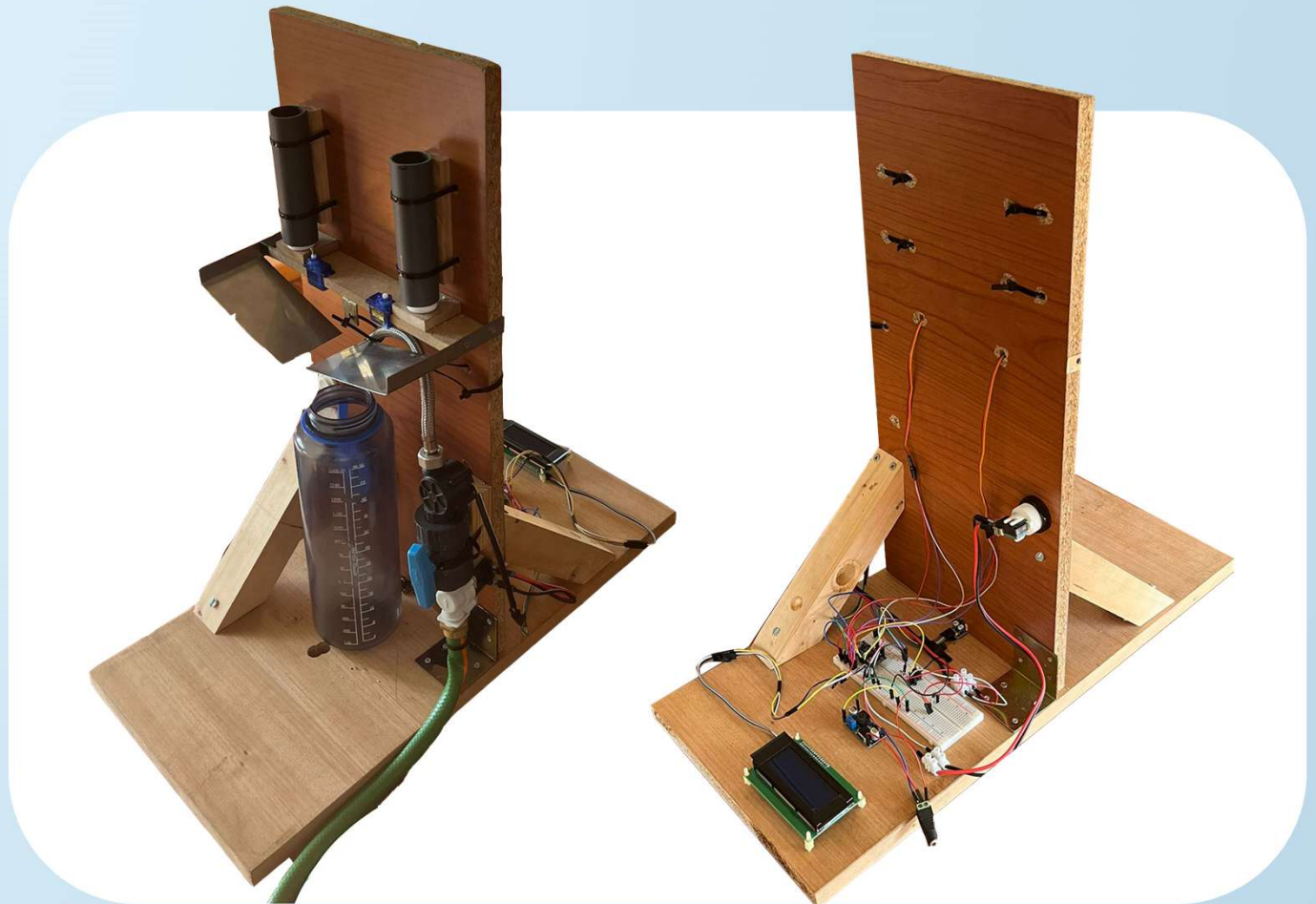


Application



Prototype

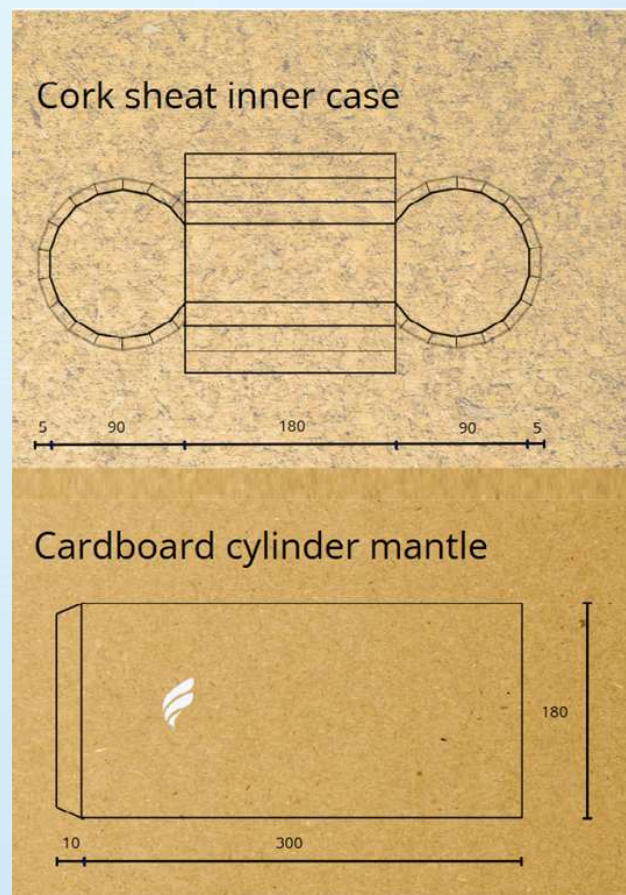
- **Small changes:**
 - Water pump removed
 - Servo motors reduced
 - Housing simplified
- **Sensor count unchanged**
- **Prioritized modularity & testability**



Prototype



Packaging solution



Afterlife



Conclusion

UN Sustainable development goals



Future Developments

Extra functionalities

Integration of more data

Application



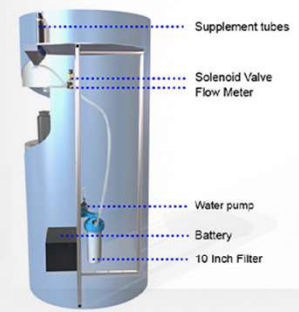
Deliverables



Personalize every refill !

Consider your performance, goals, and health needs. BiboLink's mobile application seamlessly connects your profile with the hydration stations, tracking hydration, suggesting supplements, and syncing with wearables.

- Electrolytes
- Caffeine
- Magnesium
- Zinc
- BCAA



Hydration is key to peak performance.

BiboLink is an innovative hydration station designed to provide customized, supplement-enriched water tailored to individual athletic needs and engineered for active and outdoor environments.

BiboLink is equipped with a high-pressure water pump, carbon filtration system, and solar power integration. Infrared sensors and a modular supplement system ensure hygiene, efficiency, and personalized dosing in any outdoor sports setting.

BiboLink
Stay fit, stay hydrated

Penna Tarnal, Rafael Ferrerel, Tili Hanfeld, Mikolaj Wojciechowski, Kim Linthorst, Olivia Van Staeyen

ISEP



Video

<https://screenapp.io/app/#/shared/RgDW7KEQYc>





BiboLink
Stay fit, stay hydrated

