



Team

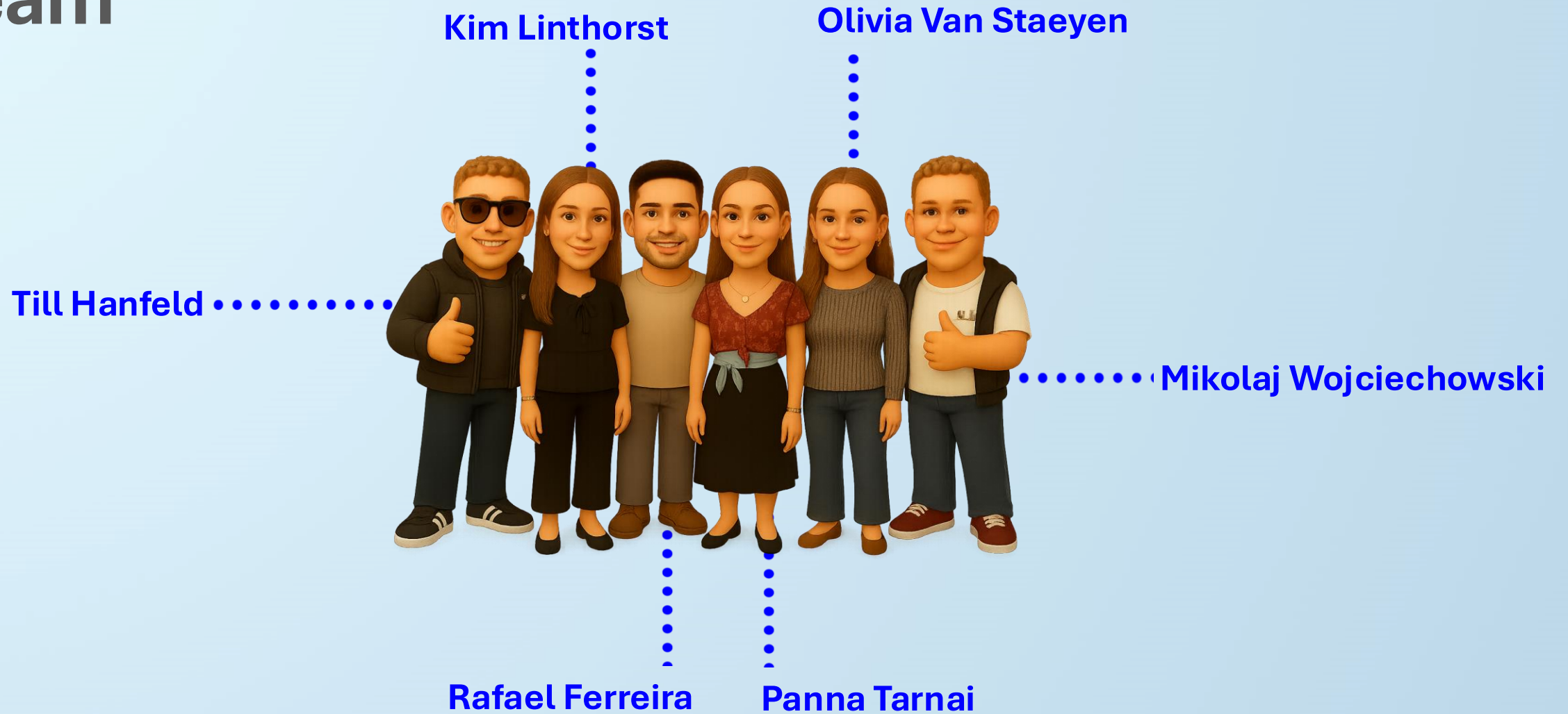


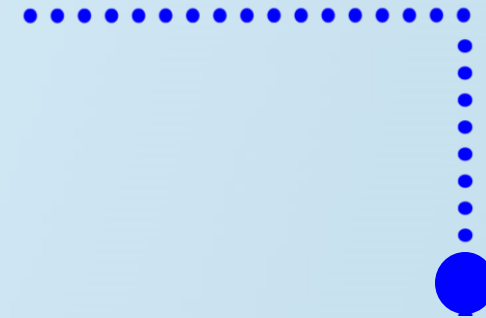
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Problem to solution

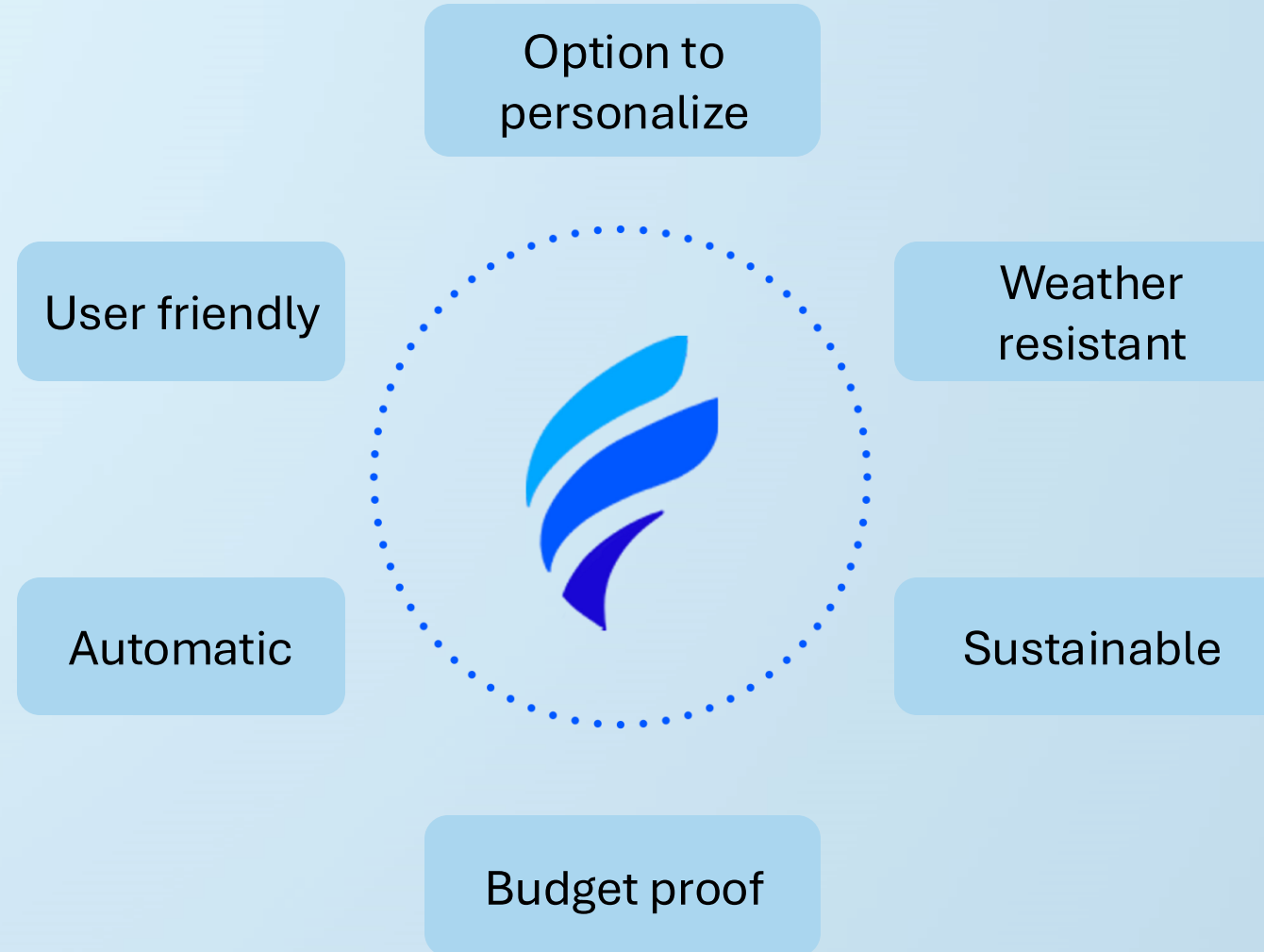
Amateur athletes often struggle to stay hydrated



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



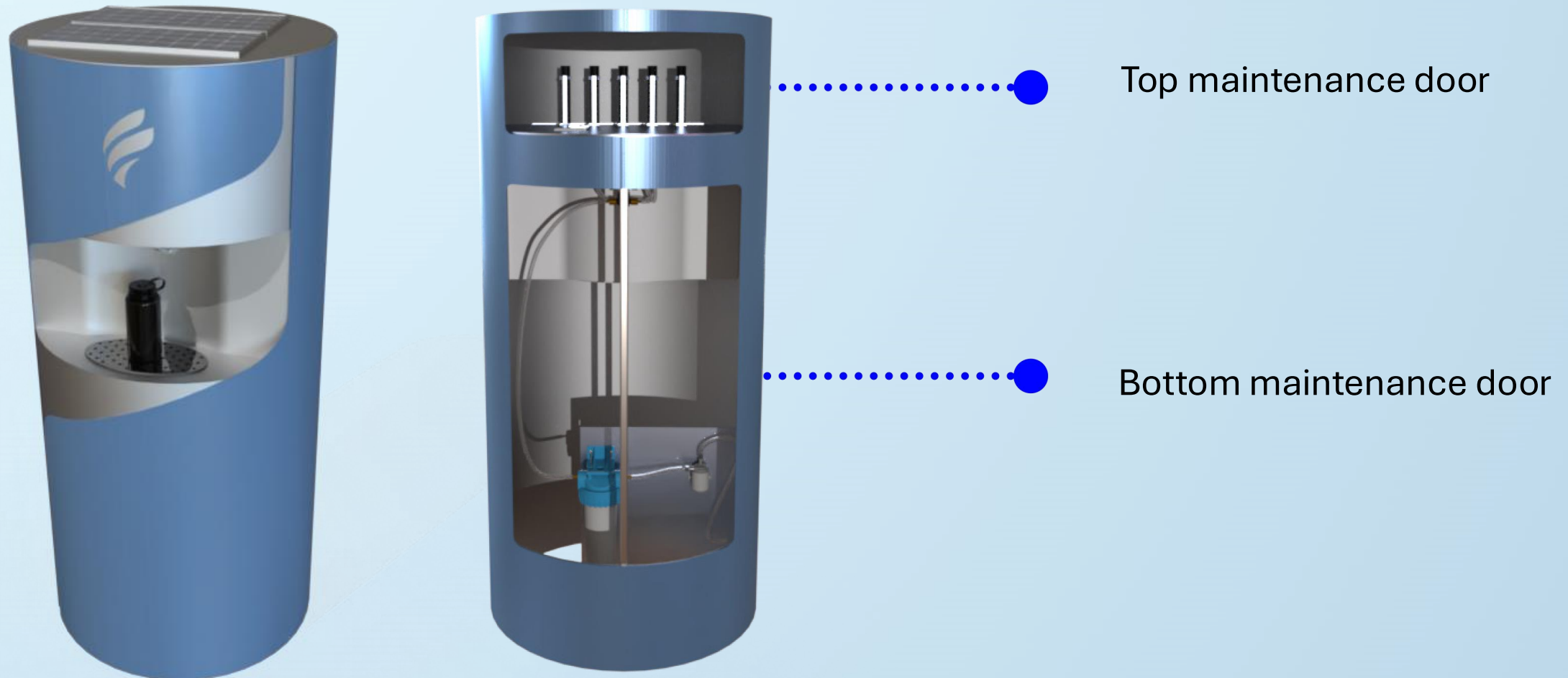
Requirements

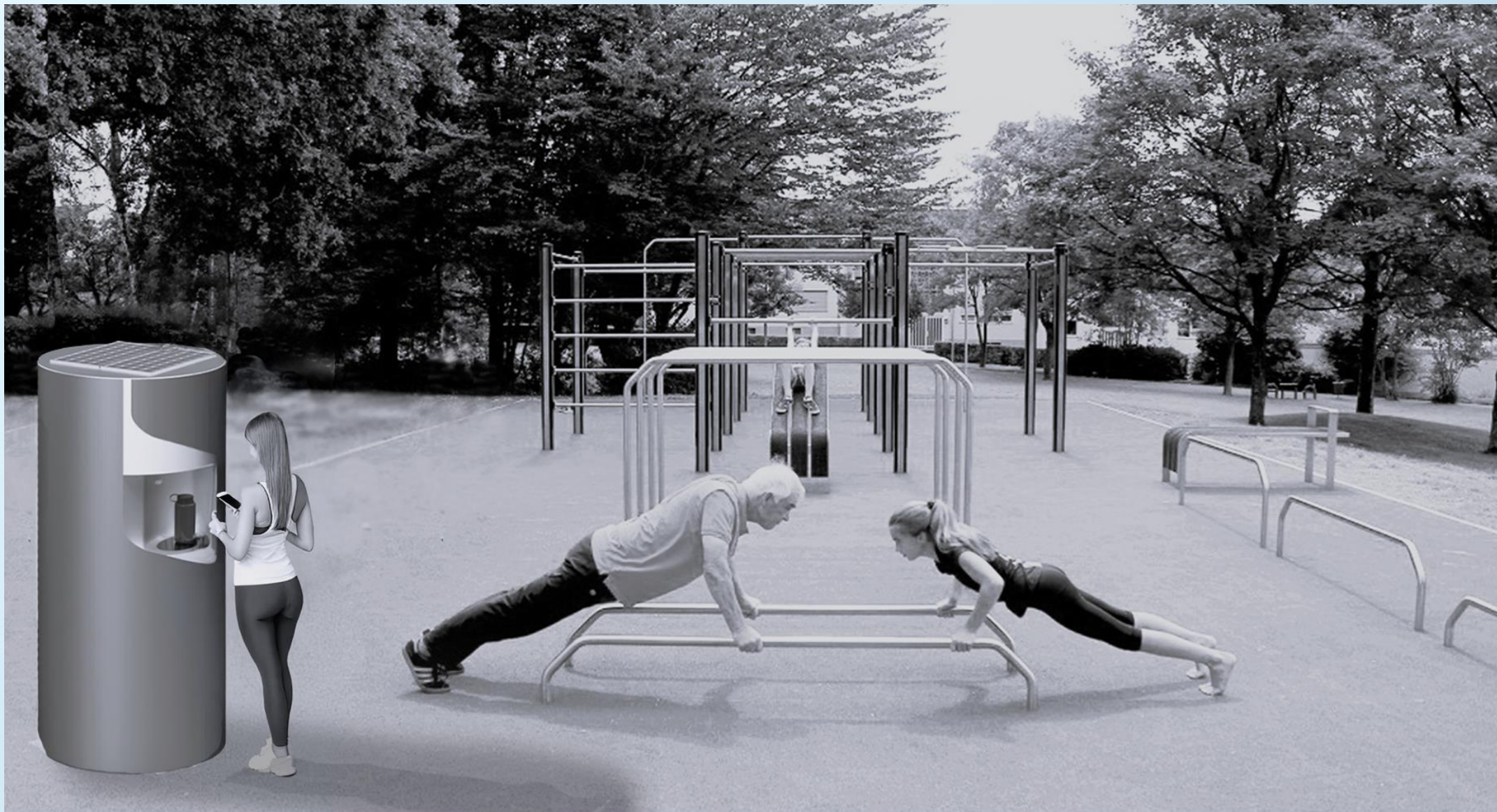


UN Sustainable Development Goals



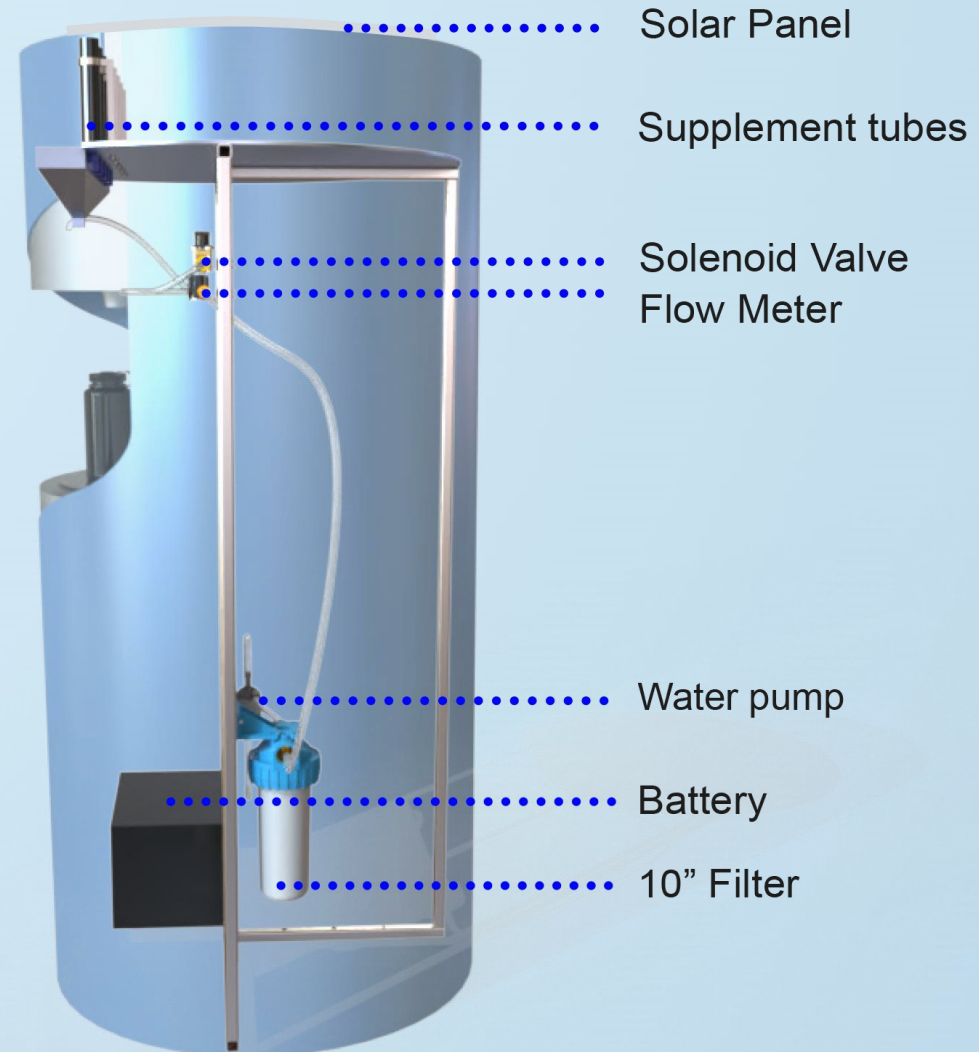
Design







Components



Application

Home screen

- Welcome message
- Start button to begin drink customization

Drink Selection Page

Choose yourself

Follow suggestions

Selection Page

- Choose water amount
- Select supplement
- Adjust supplements content

Review & Confirm Page

- Display selected options
- Confirm button to dispense the drink

- 1 • **Starting workout**
• **Finished workout**
- 2 • **Select sport**
- 3 • **Amount water**

Recommendation & Confirm Page

- Display recommended options
- Confirm button to dispense the drink

Setting & Profile

- User preferences
- Health-related input for better recommendations
- Daily water intake



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

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

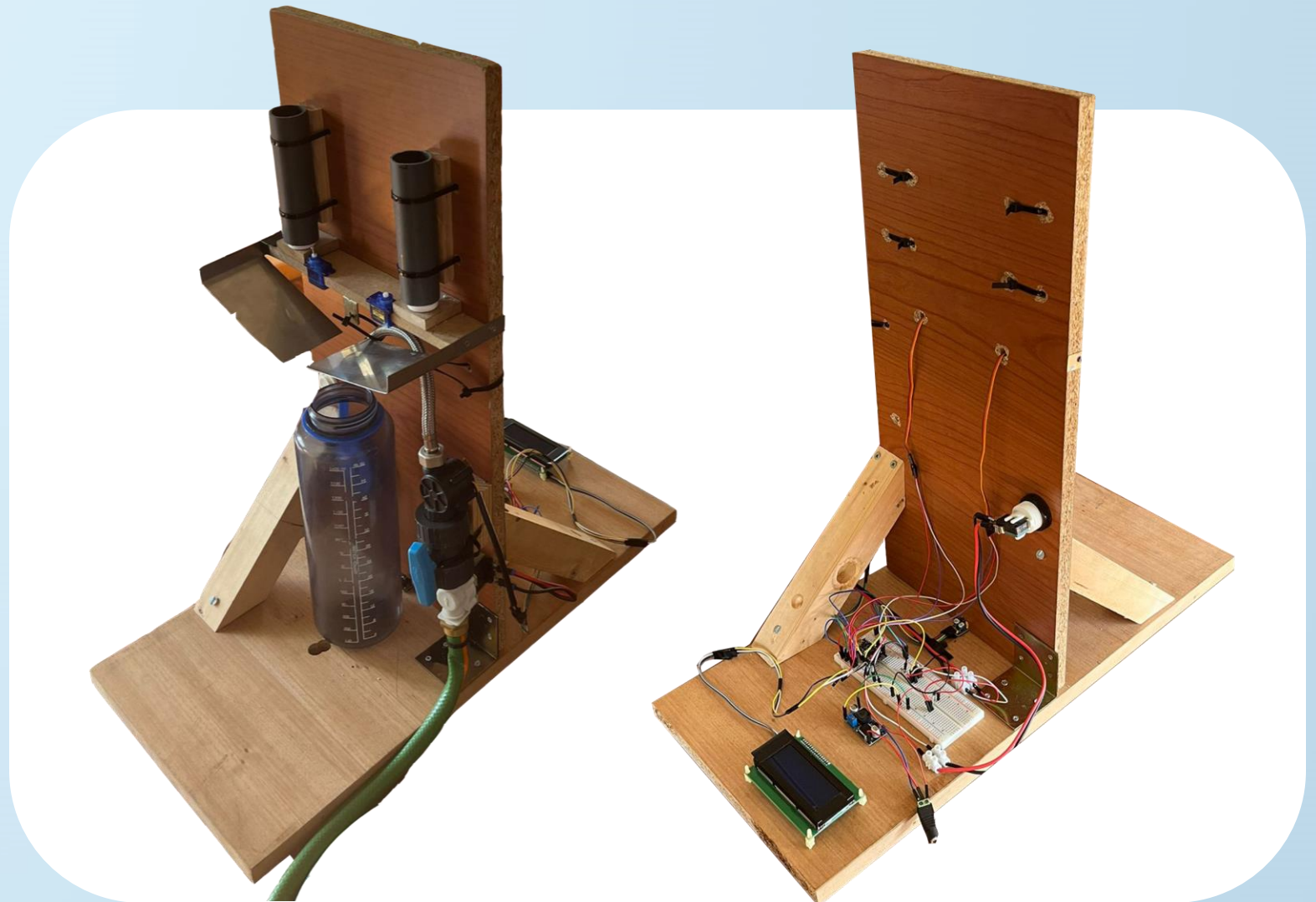
500ml
Electrolytes

Confirm

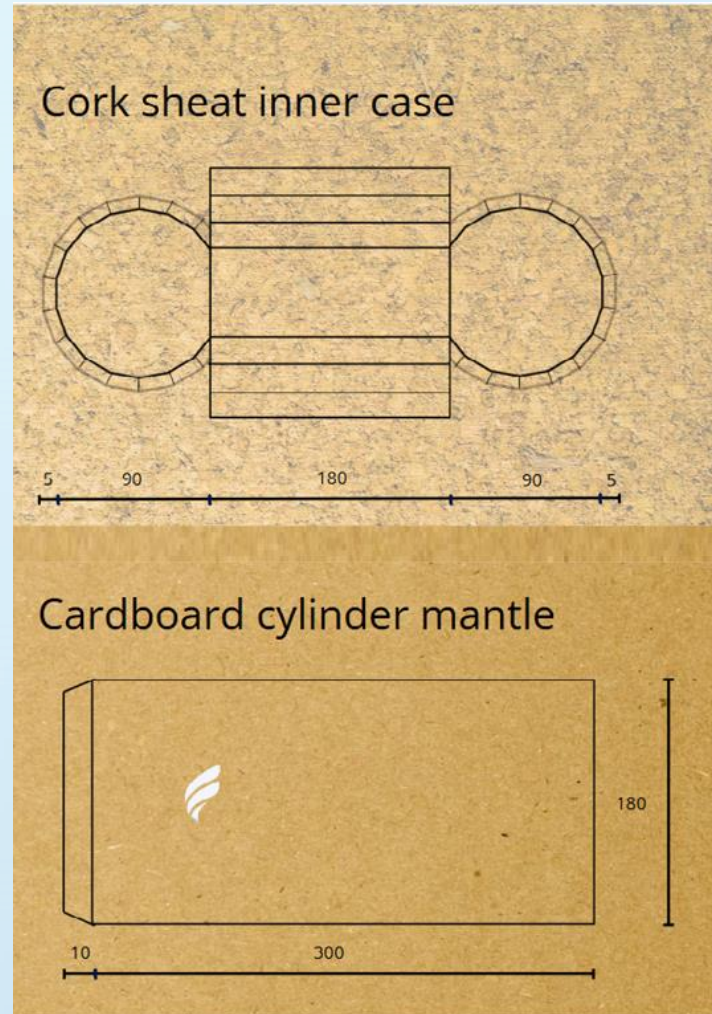


Prototype

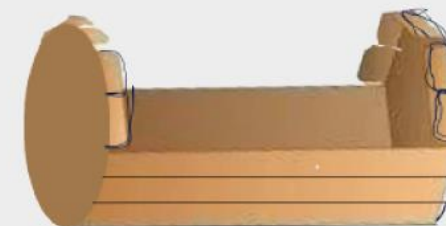
- **Small changes:**
 - Water pump removed
 - Servo motors reduced
 - Housing simplified
 - Power management simplified
- **Sensor count unchanged**
- **Prioritized modularity & testability**



Packaging solution



Afterlife



Conclusion



Achievements

Limitations

Future Developments



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

- Supplement tubes
- Solenoid Valve Flow Meter
- Water pump
- Battery
- 10 Inch Filter

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

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ISEP





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