Water Intelli-Buoy

Team 2

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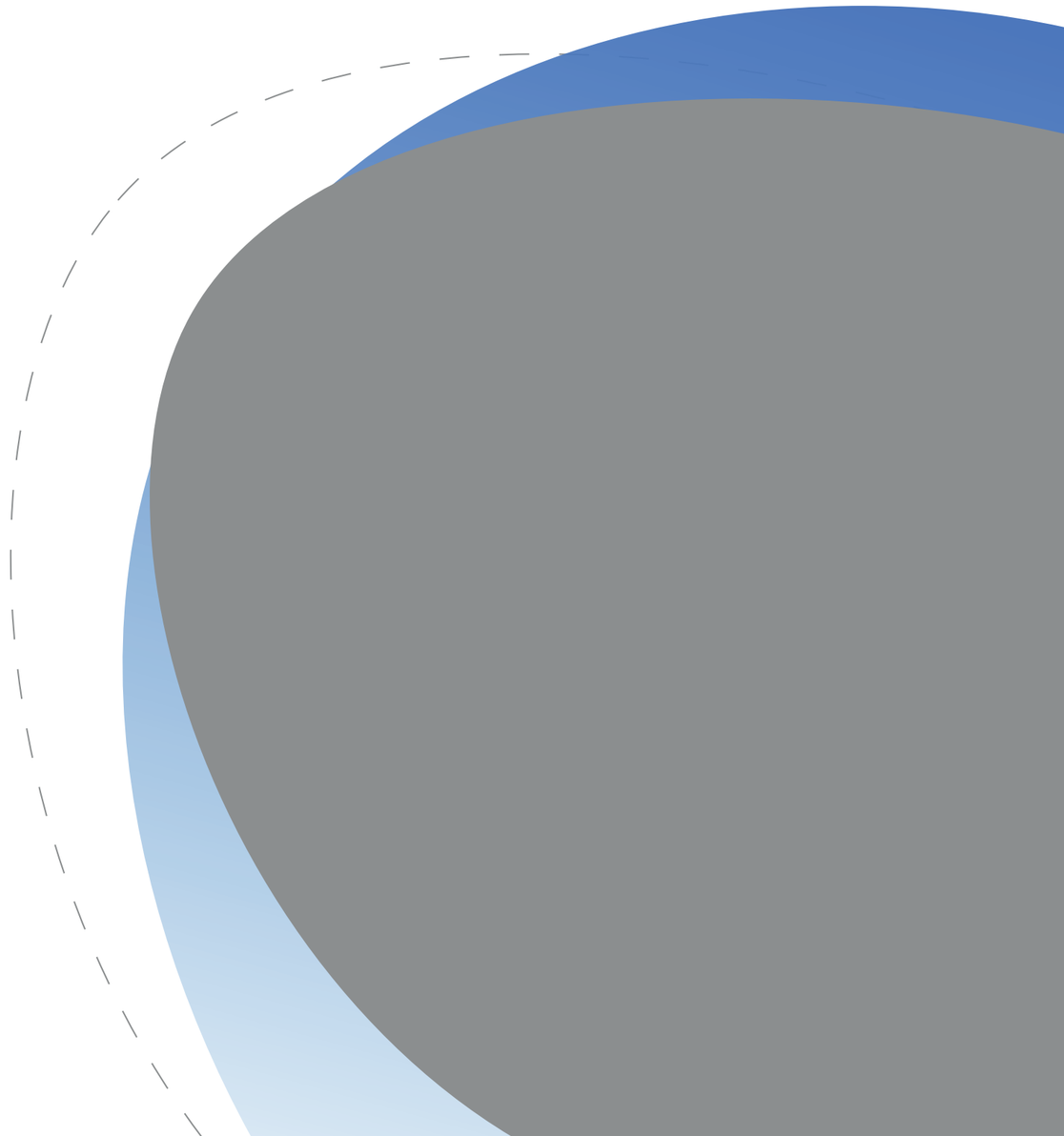
Project theme

- Monitoring the water quality
- Floating/ drifting device

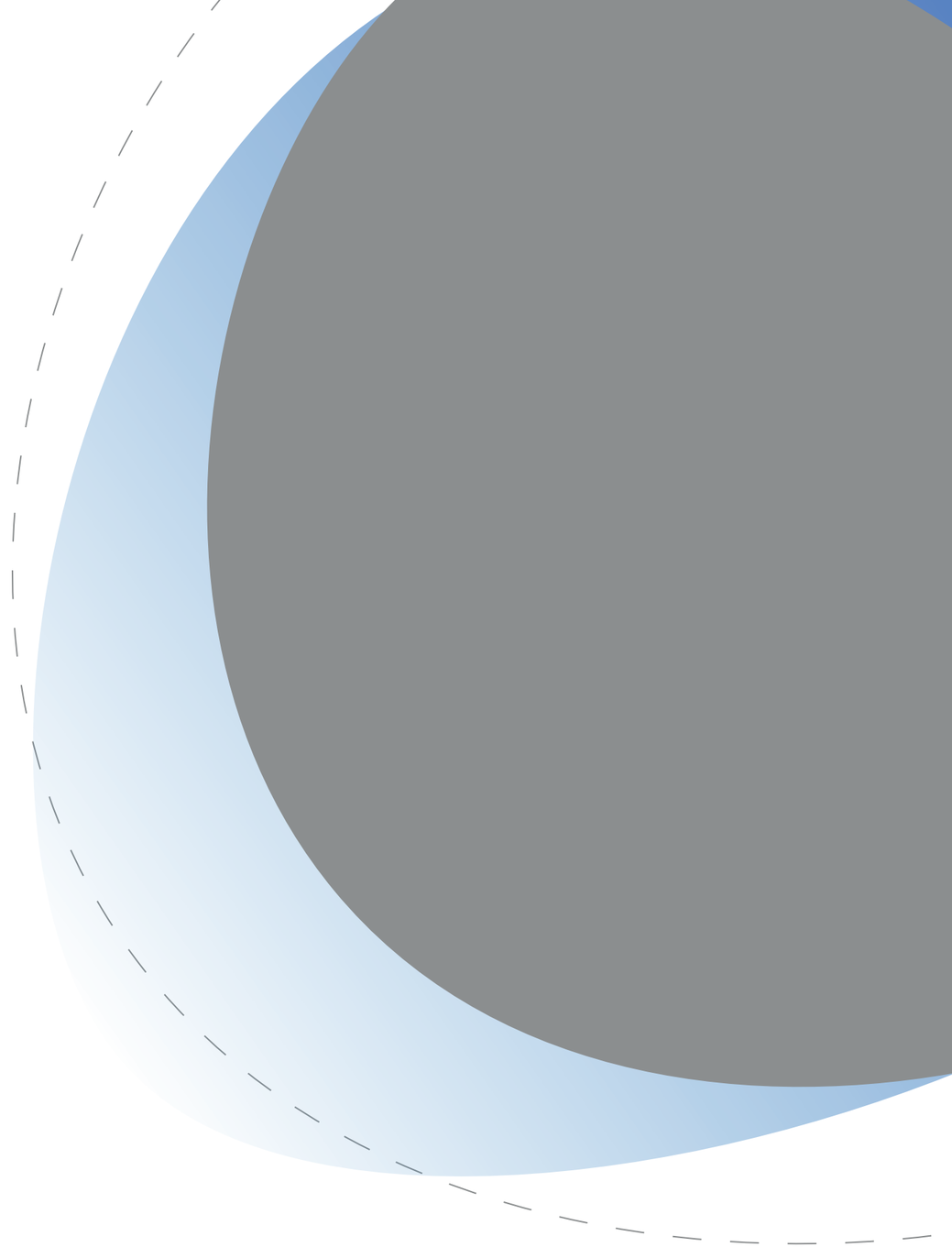
Problem definition & objectives

- Measuring the water quality
- Informing people
- Efficient way
- A lot of existing (expensive) tech. on the market



Requirements

- Local & Low-cost solution
- Conf. EU-directives
- Use of intern. system of units
- Open source
- Budget = €100



Industrial products

- High-level
- For weather forecast & Research
- High cost
- High level of know-how required

Consumer products

- Usually for pools/ ponds
- Monitors: Temperature, pH, NH3... (not all)
- High market saturation

Bluetooth pool thermometer

pHin: Smart water monitor

Seneye pond

Real-time monitors

- Industrial applications e.g.: drinking/ agriculture/ waste water control
- Very expensive tech.

Available sensors

- pH: affordable (+/- €15)
- Turbidity: affordable (+/- €12)
- Temperature: affordable (+/- €3.5)
- Oxygen: not affordable (+/- €200)

Plan

- Fish pond water quality monitor
- Smart solution
- Reliable partner

Questions

- Opinion on the concept