



MORE THAN SENSORS
AND AUTOMATION

Customer's Activity

Main activities: Fish research and disease study in aquariums.

Industry involved: Water and wastewater management, with a focus on research applications in veterinary science.

Customer's Need

Monitor dissolved oxygen levels continuously, ensuring a threshold of 4.5 mg/l for fish survival. Record and store data for research purposes. Enable real-time monitoring from multiple stations within the institute. Provide remote access for operational convenience.

JUMO Solution

- JUMO Oxygen Sensor Type 202614 – Equipped with protective housing to prevent damage from fish and a submersion fitting for secure placement. JUMO variTRON 300
- Controller – Managed the oxygen sensor and acted as a gateway to the JUMO Cloud, ensuring seamless data access and control.
- JUMO Cloud Integration – Allowed remote data access and monitoring from any location.
- Calibration Tools – Provided a calibration cable and free DSM software for easy sensor calibration.



Conclusion

Customer benefits: Continuous monitoring ensures fish survival and research accuracy. Real-time and remote access enhance operational efficiency. Easy calibration and scalable design support future upgrades. Industry benefits: Reliable and precise monitoring for advanced research. Flexible system adaptable to broader water quality applications.