



umbilical design



Master Thesis

WATER SAMPLER

Construction and integration with drone





WATER SAMPLER



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Ruttner sampler

Mechanical water sampler often used today. A messenger hits the sampler when desired depth is obtained which closes the sampler.



Open



Closed





WATER SAMPLER



Developing concepts

- Winch
- Hanging freely
- Pump the water to container on drone

Increase data gathering

- Temperature
- Minerals
- Other important data

Improve sampling procedure

- More precise depth measurement
- Lower risk for contamination
- Less disturbance of water environment





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Questions or input?

Please contact sofia.j.olsson@afconsult.com
or write your name in comment field so I can contact you.

