



Reading Hydro CBS Smart Sensor Developer - Role Description

Purpose of role

- To support the maintenance and additional sensor deployment that enables collection of key data for Reading Hydro operations.

Main responsibilities of role

- Replace and deploy IoT sensors connected to LoRaWAN
- Maintain the connectivity of sensors inside and outside of the Turbine House to LoRaWAN
- Enhance Go code that manages messages and alerts from sensors
- Support the data display on our website and help troubleshoot any issues

Integration in the Reading Hydro team

- Work closely with the Digital director (or another designated Director or team lead).
- Produce ad hoc reports for different areas of Reading Hydro from Communications to Education and Finance

Working arrangements

- Flexibility for you to work remotely at any time of the day
- Online meetings with the designated director and other Reading Hydro volunteers, as needed.
- Regular communications mainly via Slack mainly, also via email
- Work requests via Asana

Person specification - specific to role

Essential

- Experience with LoRaWAN sensors
- Experience with The Things Network
- Go (golang) coding experience
- Experience with Node Red
- Experience with PostgreSQL
- Understanding of MQTT
- Attention to detail and analytical mindset
- Self-starter able to work without supervision

Nice to Have

- Experience with Linux OS
- Experience with AWS Secrets Manager
- Experience with Github
- Experience with Wordpress.

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