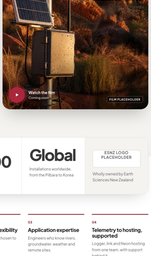
50 YEARS IN THE FIELD · WHOLLY OWNED BY ESNZ

Reliable field data from the world's toughest places.

Loggers, water flow measurement and hosted telemetry, designed and built in Perth. From a single river gauge to a national network, Unidata gets your data home and keeps it coming.

Request a quote · See how it works



THE FM

- 50 — built south on the factory floor in O'Connor
- 50 — field monitoring schemes set up on screen
- 50 — the unit installed in the last garden
- 50 — the team watching live data arrive

50 yrs — A proportion, since starting as a joint venture with UWA

About 50,000 — Loggers and instruments delivered

About 5,000 — Customers

Global — Installations and rentals from the Pilbara to Korea

ESNZ LOGO PLACEHOLDER — Wholly owned by Earth Sciences New Zealand

Why customers choose Unidata

01 **Reliability** — 50 years of operation, backed by Earth Sciences New Zealand.

02 **Connectivity flexibility** — Cellular or satellite, chosen to suit each site.

03 **Application expertise** — Engineers who know rivers, groundwater, weather and remote sites.

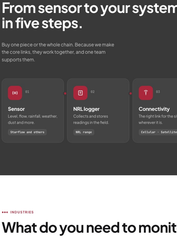
04 **Telemetry to hosting, supported** — Logger, link and Neon hosting from one team, with support behind it.

Units come back for a service after 15 years sitting in a river, then go straight back out. Much of our equipment runs in the remote Pilbara.

PRODUCTS

Three products. One system that keeps working.

Hardware built to last decades in the field, and a hosted platform that turns readings into decisions.



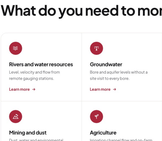
WATER VELOCITY AND FLOW

Starflow QSD

Measure water velocity, depth and flow with one compact instrument that sits on the bed of the channel, pipe or stream. Accurate flows in places other instruments struggle to reach.

- Velocity, depth and flow from one instrument
- For open channels, culverts, pipes and rivers
- Connects straight into an NRL logger and Neon hosting

Explore Starflow · Talk to a flow specialist

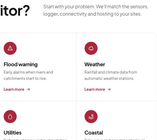


REMOTE DATA COLLECTION AND TELEMETRY

NRL range

Neon Remote Loggers collect sensor data in the field and send it home over cellular or satellite.

Compare NRL models



HOSTED TELEMETRY

Neon hosting

Manage every logger, store and visualise your data, set alarms and integrate with your systems, without running your own servers.

See Neon hosting · Client login

HOW IT WORKS

From sensor to your systems, in five steps.

Buy one piece or the whole chain. Because we make the core links, they work together, and one team supports them.

01 **Sensor** — Level, flow, rainfall, weather, dust and more. — Starflow and others

02 **NRL logger** — Collects and stores readings in the field. — NRL range

03 **Connectivity** — The right link for the site, wherever it is. — Cellular · Satellite

04 **Neon hosting** — Storage, visualisation, alarms and management. — Hosted by Unidata

05 **Your systems** — Data flows into the tools your team already uses. — Integration

INDUSTRIES

What do you need to monitor?

Start with your problem. We'll match the sensors, logger, connectivity and hosting to your sites.

Rivers and water resources — Level, velocity and flow from remote gauging stations. Learn more →

Groundwater — Bore and aquifer levels without a site visit to every bore. Learn more →

Flood warning — Early alarms when rivers and catchments start to rise. Learn more →

Weather — Rainfall and climate data from automatic weather stations. Learn more →

Mining and dust — Dust, water and environmental monitoring for remote operations. Learn more →

Agriculture — Irrigation channel flow and on-farm water measurement. Learn more →

Utilities — Network, storage and pump station data for water utilities. Learn more →

Coastal — Tide, wave and coastal water level monitoring. Learn more →

CASE STUDIES

Real problems, solved in the field.

PLACEHOLDER CONTENT

Three example cards showing the challenge, solution, results format. Real projects and results to be supplied by Unidata.

Rivers · Location TBC

Case study title: remote river monitoring

CHALLENGE
Placeholder. One or two sentences on the customer's problem, in their words.

SOLUTION
Placeholder. The Unidata products and connectivity used, and how they were set up.

RESULTS
Placeholder. Measurable outcomes supplied and approved by the customer.

Read the case study →

Mining and dust · Location TBC

Case study title: remote site telemetry

CHALLENGE
Placeholder. One or two sentences on the customer's problem, in their words.

SOLUTION
Placeholder. The Unidata products and connectivity used, and how they were set up.

RESULTS
Placeholder. Measurable outcomes supplied and approved by the customer.

Read the case study →

Agriculture · Partner project

Case study title: Starflow in irrigation canals

CHALLENGE
Placeholder. One or two sentences on the customer's problem, in their words.

SOLUTION
Placeholder. The Unidata products and connectivity used, and how they were set up.

RESULTS
Placeholder. Measurable outcomes supplied and approved by the customer.

Read the case study →

PARTNERS

Working with sales partners and integrators worldwide.

Building a larger project? Our partners and system integrators build Unidata loggers and Starflow flow monitoring into projects around the world.

Thailand · Philippines · Korea · Indonesia · Canada · United Kingdom

Find your local partner · Become a partner

SUPPORT AND TRAINING

Everything you need to install, configure and maintain.

Visit support

VIDEO PLACEHOLDER

Short training videos — Quick, practical videos on installing, configuring and maintaining your loggers and instruments. Watch the training videos →

Manuals — Product manuals and datasheets for every current product. Browse manuals →

Firmware — The latest firmware for your NRL loggers and instruments. Get firmware →

Configuration tool — Set up and configure loggers from your computer. Download the tool →

Neon client login — Log in to manage your sites, data and alarms. Log in to Neon →

QUESTIONS

Straight answers.

Can't see your question? Call us on +61 8 9331 8600.

What does Unidata make?

Unidata designs and manufactures remote data loggers (the Neon Remote Logger range), Starflow water velocity and flow instruments, and Neon hosting for telemetry management, data storage, visualisation, alarms and integration. Everything is designed and built in Perth, Western Australia.

Who owns Unidata?

Does Unidata supply SCADA or control systems?

How long does Unidata equipment last in the field?

Can I buy Unidata products outside Australia?

Tell us about your site. We'll design the system.

Share what you need to measure and where. A Unidata engineer will come back with a recommended setup and a quote.

Request a quote · Find your local partner

+61 8 9331 8600 — Call our Perth team

info@unidata.com.au — Email us

Neon client login — For hosting customers

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