

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 FILM

01A unit built on the factory floor in O'Connor

02The monitoring scheme set up on screen

03The unit installed in the test garden

04The team watching live data arrive

50yrs

In operation, since starting as a joint venture with UWA

About

50,000

Loggers and instruments delivered

About

5,000

Customers

Global

Installations worldwide, from the Pilbara to Korea

ESNZ LOGO

PLACEHOLDER

Wholly owned by Earth Sciences New Zealand

Why customers choose Unidata

- 01Reliability
50 years of operation, backed by Earth Sciences New Zealand.
- 02Connectivity flexibility
Cellular or satellite, chosen to suit each site.
- 03Application expertise
Engineers who know rivers, groundwater, weather and remote sites.
- 04Telemetry to hosting, supported
Logger, link and Neon hosting from one team, with support behind it.

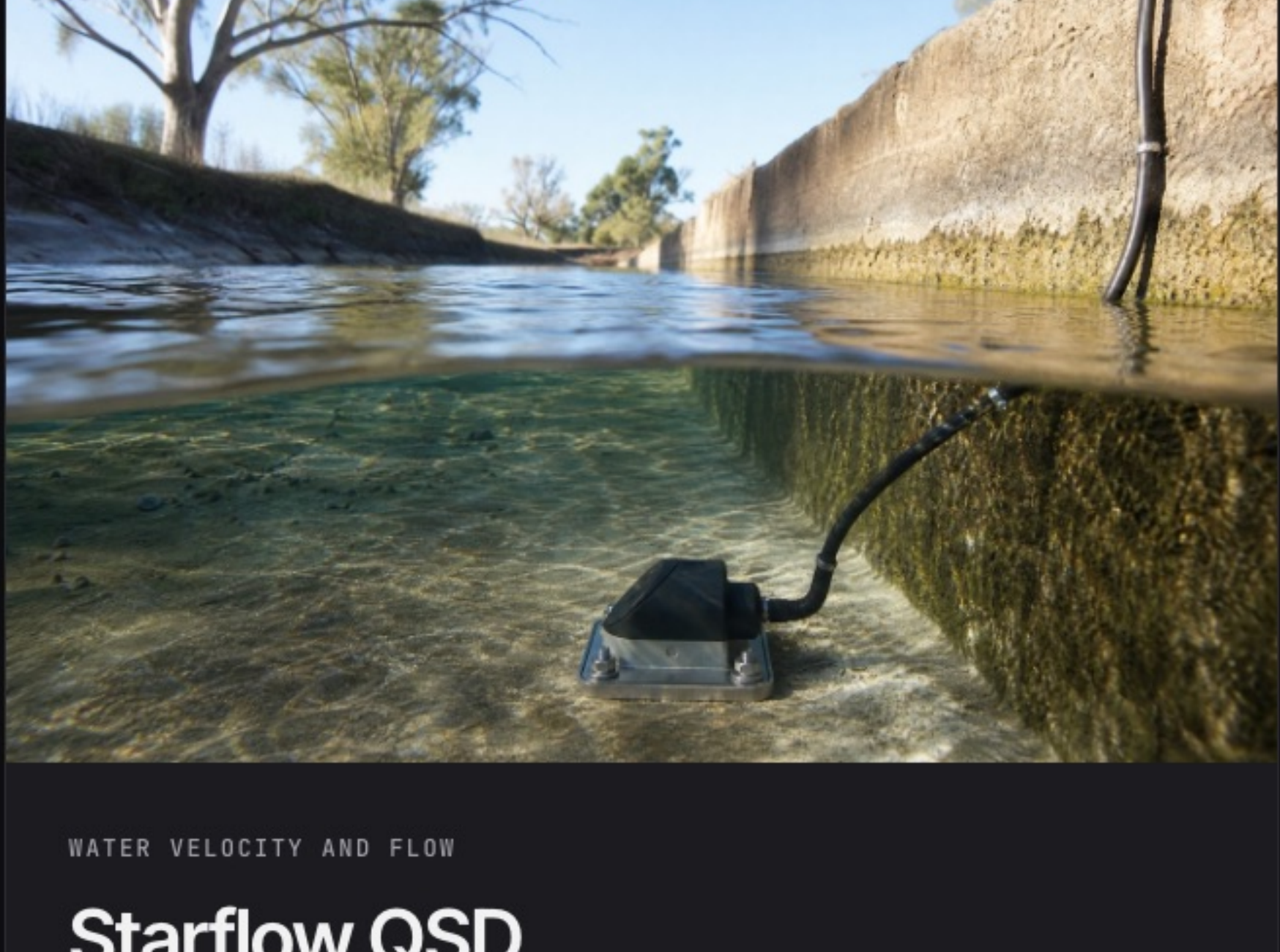
Units come back for a service after 15 years sitting in a river, then go straight back out. Much of our equipment runs in the remote Pilbara.

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.

Very little direct competition worldwide



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 flow 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

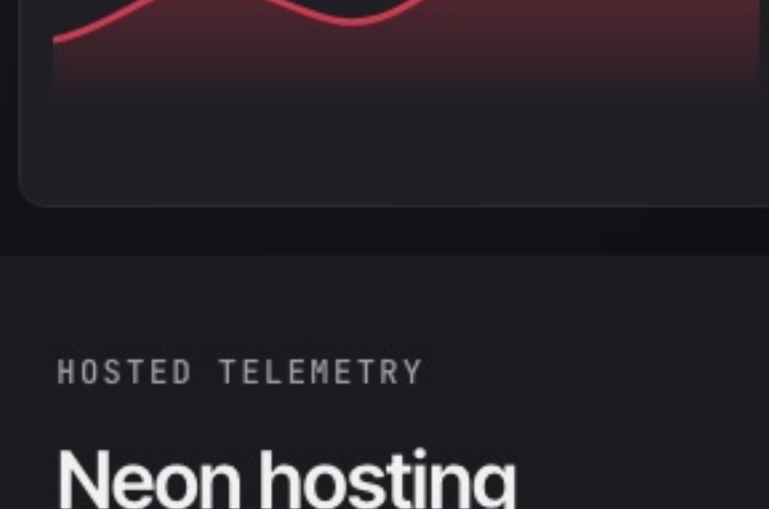


REMOTE DATA COLLECTION AND TELEMETRY

NRL range

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

[Compare NRL models](#)



FLOW · SITE NAME
0.00 m³/s

ALARMS

- High level alarm
- Low battery
- Sites reporting

HOSTED TELEMETRY

Neon hosting

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

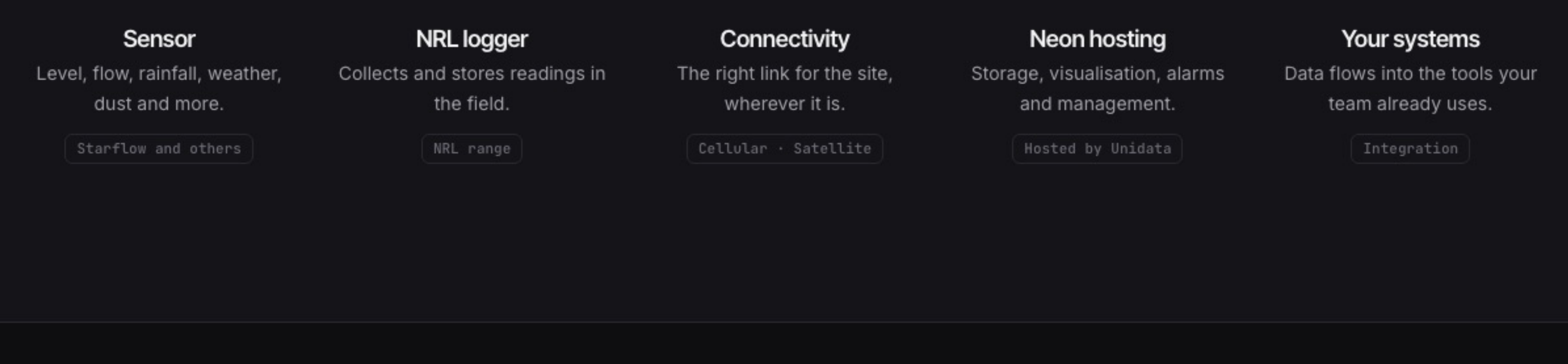
See Neon hosting

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.



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 →](#)

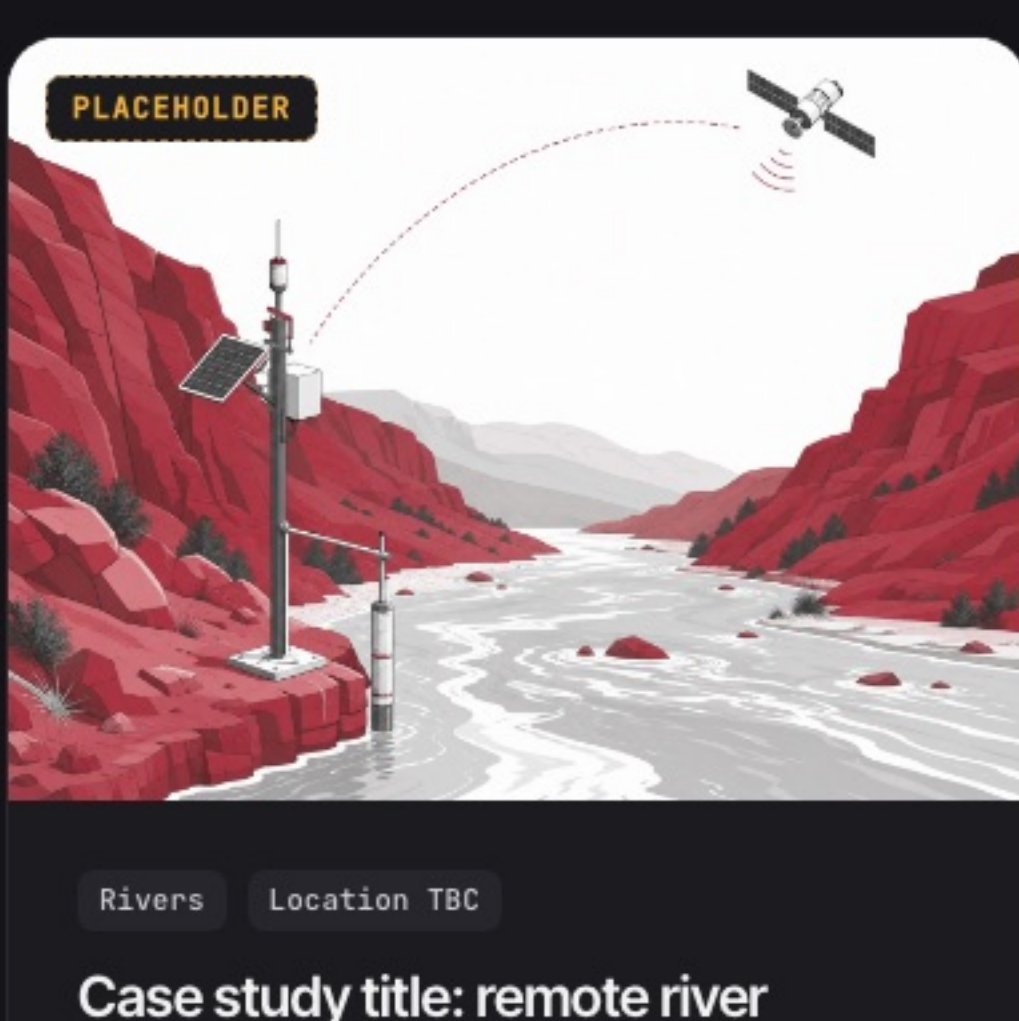
CASE STUDIES

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.

PLACEHOLDER



Rivers · Location TBC

Case study title: remote river monitoring

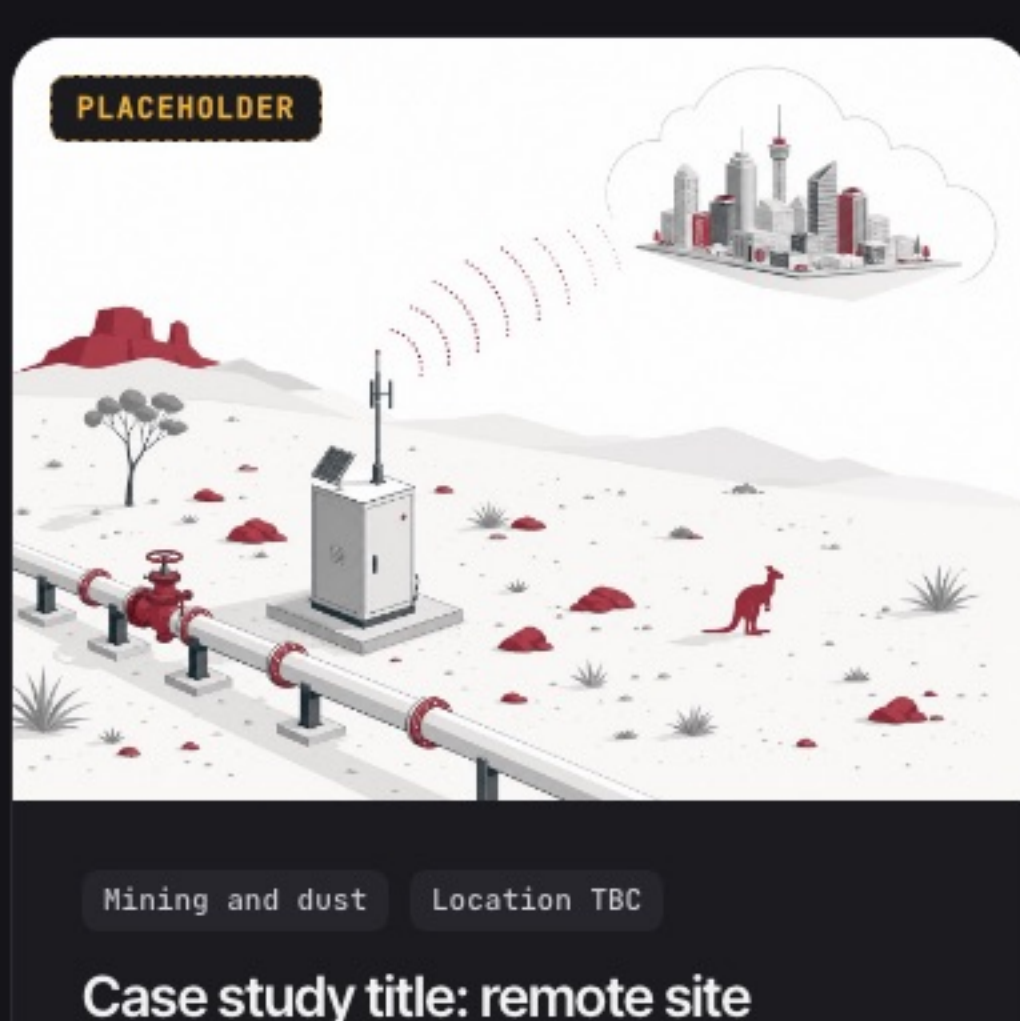
CHALLENGE
Placeholder. One or two sentences on the customer's problem, in their words.

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 →](#)

PLACEHOLDER



Mining and dust · Location TBC

Case study title: remote site telemetry

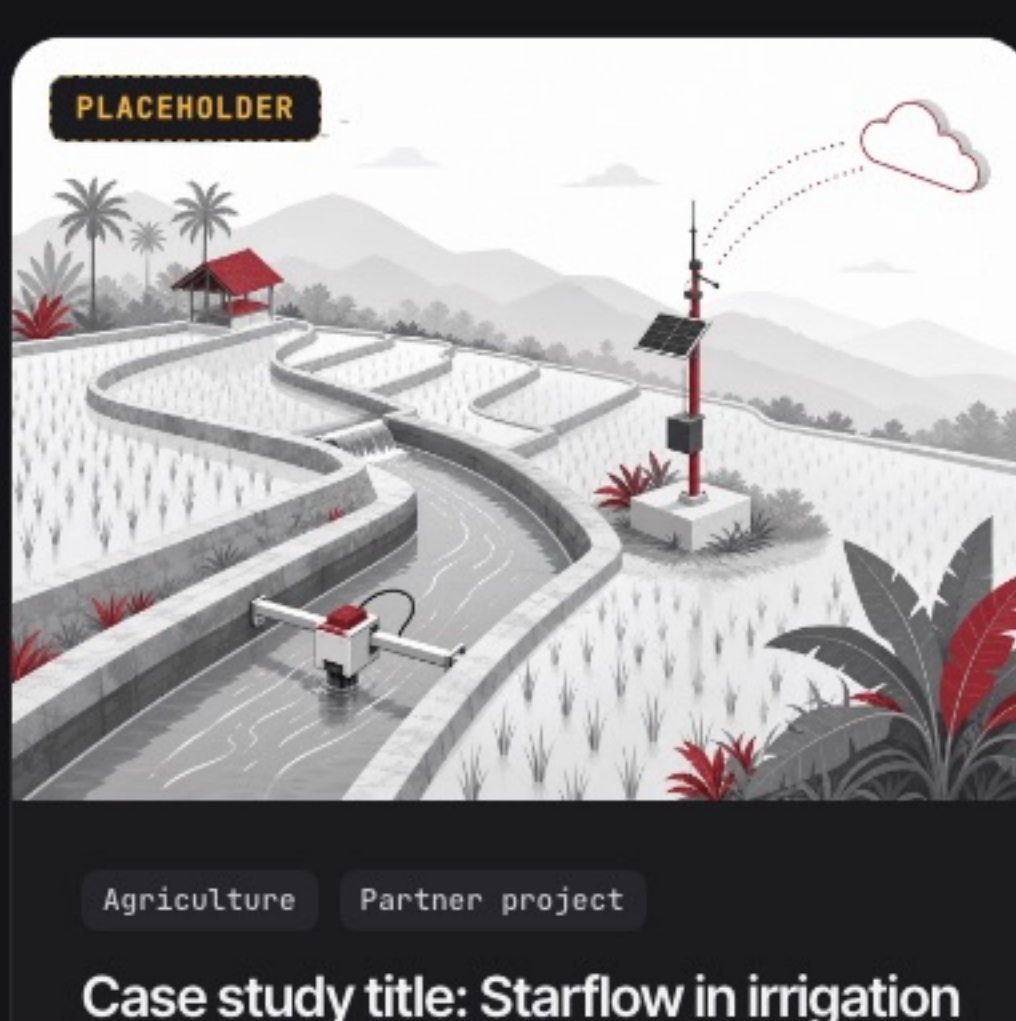
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[Read the case study →](#)

PLACEHOLDER



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.

ThailandPhilippinesKoreaIndonesiaCanada

United Kingdom

Find your local partner

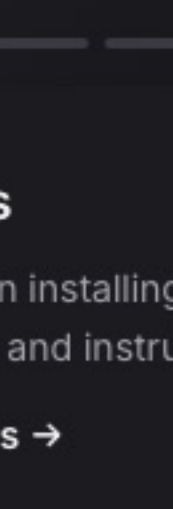
Become a partner

SUPPORT AND TRAINING

Everything you need to install, configure and maintain.

Visit support

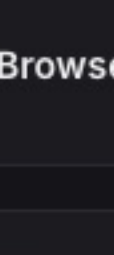
VIDEO PLACEHOLDER



Short training videos

Quick, practical videos on installing, configuring and maintaining your loggers and instruments.

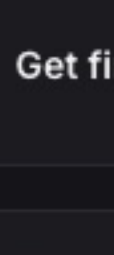
[Watch the training videos →](#)



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



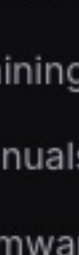
+61 8 9331 8600

Call our Perth team



info@unidata.com.au

Email us



Neon client login

For hosting customers

Unidata

Remote data logging, telemetry and flow measurement, designed and built in O'Connor, Western Australia, for 50 years.

+61 8 9331 8600

info@unidata.com.au

O'Connor, WA, Australia

Products

Starflow QSD

NRL range

Neon hosting

Industries

Case studies

Support

Training videos

Manuals

Firmware

Configuration tool

Neon client login

Company

About Unidata

Partners

FAQs

Contact

Unidata

ESNZ LOGO PLACEHOLDER

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