PULSE
POWER AND ASSET INSIGHTS

September 2026

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Who is already on Pulse

Agency	Assets	Events	What Pulse is watching
Wellington City Council	726	29,801	Wi-Fi, firewalls, switches, fibre, signals
Auckland System Management	158	42,132	Motorway and arterial signals, fibre
Dunedin City Council	94	7,844	Traffic signals, two cities
Nelson City Council	23	389	Traffic signals
Kāpiti Coast District Council	19	464	Traffic signals
Ashburton District Council	11	963	Traffic signals, environmental sensors
Porirua City Council	5	86	Traffic signals

Read the two right-hand columns against each other and you will draw the wrong conclusion. Auckland has a fifth of Wellington's assets and half again as many events. That gap is **instrumentation, not reliability** — and it is the single most important thing to understand.

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The alert is not the record

Pulse sends you what needs attention today. Underneath that, is a continuous record of every asset you have registered, every alarm, a timestamp and a coordinate.

1,036

Assets on Pulse

Across seven agencies in the September 2026 export.

81,679

Recorded events

Every one placed on a map and an hour of the clock.

57s

Median ingest lag

From the fault happening to Pulse holding the record.

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ONE ESTATE, ONE VIEW

Corporate IT and field infrastructure, on the same map

208	185	146	105	74	8
Wi-Fi AP's	Firewalls	Signal controllers	Network switches	Fibre terminals	Field gateways

This is one council's register. Six kinds of asset, from a firewall in a server room to a signal controller in a roadside cabinet. Most agencies are watched two different systems, not seen in the same system. **Pulse expands your view across your estate**.

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THE VISUALISATION

Wellington City Council

TO PLAY VIDEO, CLICK THE LINK ON THE SNUG WEBSITE BELOW

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TWO STATES OF EMERGENCY IN THREE MONTHS

Types of events live asset data is invaluable

20 APRIL 2026

Wellington's worst flooding since 1976

70 mm of rain in an hour. Triple the monthly average in 48 hours. A regional state of emergency, and more than 150 weather-related callouts in one morning.

EARLY JUNE 2026

Nine-metre swells and sustained gales

A rapidly intensifying storm, a state of emergency across parts of the city, flights cancelled and transport disrupted — with the same downstream effect on signal power.

Power goes out, signal controllers go down, and intersections become hazardous at exactly the moment roads are already closed by slips and water. **Pulse records it all.**

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Maintenance is not spread evenly.

23%

of one agency's entire 42,132-event history came from **a single asset**.



One device, one cabinet, one recurring fault — and roughly a quarter of everything the operations team saw for a year. It was invisible in the alert feed, because in an alert feed every event arrives the same size.

Rank asset faults by volume. **That is an useful maintenance schedule.**

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Silence is information, an alert cannot show it

Over thirty-three months, **28% of one council's registered assets raised no event at all**. On a different agency's network, only 4% stayed quiet. Either of those numbers can be good news or bad news, and nothing in an inbox of alarms will tell you which.

It is genuinely healthy

A well-sited switch in a clean rack can go years without a fault. Good. Now you can prove it at renewal time instead of asserting it.

It is not reporting

The feed was never finished, the credentials expired, the device was replaced, nobody updated records.

It is not there any more

You are paying for, insuring and reporting on an asset that was decommissioned.

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Forty times the events is not forty times the faults.

A signal controller reporting continuously over an API and a building firewall that reports when somebody notices are not the same kind of source. One agency's median asset raised **120** events. Another's raised **3**.

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“Red” should be your setting about faults

Severity lives in your mapping table. The same event code, from the same make of controller, reporting the same condition, is configured differently by different agencies.

AMBER HERE, GREEN THERE

One code, two meanings

Detector alarm is mapped **amber** in one agency and **green** in another.

93% ONE ALARM

A run that is mostly noise

One council's history is 891 detector alarms out of 963 events. Filter green to red or amber and **four months of data becomes 72 records**.

NO GREEN AT ALL

Everything is urgent

Two agencies have no green configured. “Show me what needs attention” returns **100% of their history**, which is the same as no filter.

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Pulse earns its keep in six places

Renewals and the Long-Term Plan

Argue a replacement programme from this asset's own fault history, rather than from a manufacturer's nominal life.

Where to send the truck

The ranked list of repeat offenders is a work programme. It is short, it is specific, and it is already sitting in the data.

Audit and assurance

A positioned, timestamped record that stands up when somebody outside the organisation checks it against their own.

Managing the maintenance contract

You and your supplier look at one record neither of you produced alone. Disagreements become questions about the data, not about memory.

A register you can rely on

Coordinate errors, duplicates, blank fields and naming drift surface as a by-product of drawing the map, not as a separate project.

Explaining it upwards

Elected members and executives do not read a fault table. They understand a map of their own district in about ten seconds.

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Six views we are considering

The view	The question it answers	What it needs from you
Duration and restore time	How long were we actually down, and is that improving?	Nothing — already in your data
Last heard from	Which assets have gone quiet, and since when?	Nothing — already in your data
Your own boundaries	How does all of this split by region?	A boundary file you already hold
Like-for-like comparison	Are we worse than other agencies?	Agreement to be benchmarked anonymously
Cost overlay	What is this recurring fault costing us over a year?	A nominal cost per callout
More outside layers	Does this track with weather, planned works or roadworks?	Which source you would trust

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