



Monitor



Alert



Analyse



Act



Pollin8 platforms connect IoT and image recognition solutions to Thinxtra's OG Network to unlock business value

About Pollin8

The team at Pollin8 leverage their hardware, software and artificial intelligence capability across logistics, industry 4.0, agritech, finance and smart city domains to create sustainable value and growth by unlocking the value of data.

The Opportunity

Pollin8 provide low cost SaaS solutions that are affordable at scale with the added flexibility of sensor and enterprise system integration, including machine learning and custom dashboards/branding.

The IoT Solution

Pollin8's IoT-enabled SaaS solutions, connected to Thinxtra's OG Network, deliver operational efficiency through:

- real-time visibility of asset location, condition, and utilisation
- proactive alerting for theft and maintenance

Nick Pickering has over 20 years of experience in engineering and digital business transformation leveraging disruptive technologies to sense, analyse, alert and create actionable insights from high volumes of data to create business value.

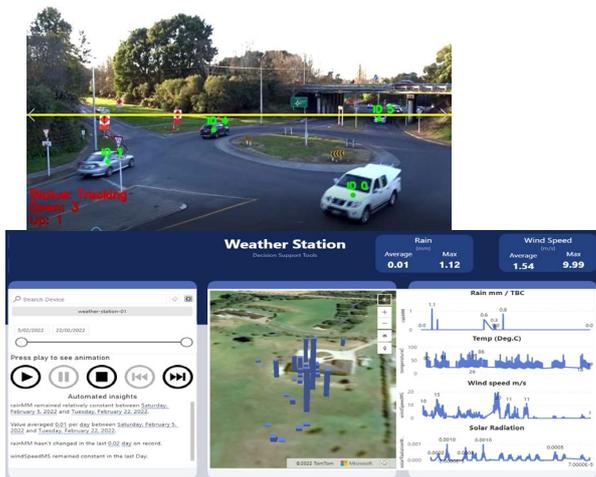
Examples of past projects include:

- Streamlining the airport check-in experience for Air New Zealand customers.
- Introducing ruggedised mobile beekeeper solutions to transform efficiencies.
- Sensor fusion of image recognition data with GPS, weather station, and production data to automate and prioritise labour management to address job shortages within horticulture.

Nick established Pollin8 to bring leading-edge technologies such as IoT, AI and robotics to businesses of all sizes. Pollin8 solutions and systems integration helps companies to achieve sustainable business value and growth by unlocking the value of the data already inside the organisation.

Nick's vision for Pollin8 is to bring enterprise-grade solutions to all businesses through their SaaS platform at a fraction of the competitor's costs. Pollin8 designed its flexible, powerful SaaS platform for easy integration with other data sources to enable a greater return on investment from assets. The platform is also available for white labelling with your brand so businesses can offer additional services to their customers without worrying about establishing and maintaining their own software team long-term.

The ability to quickly understand business problems lets Pollin8 create fit-for-purpose solutions supported by its flexible data platform to deliver business outcomes based on smart data integration, automation, and robotics.

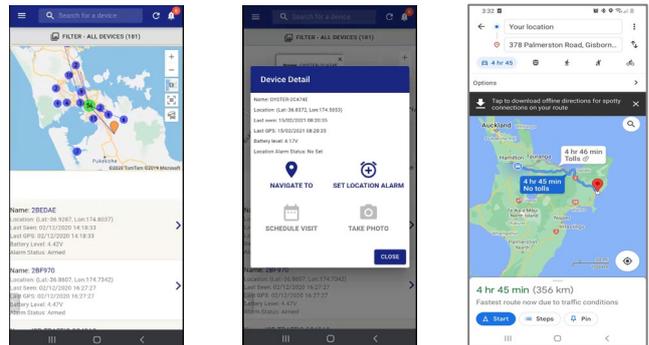


Unlocking the value of data with the IoT

IoT-enabled sensors have contributed to an explosion in the growth of data. Sensor data offers stand-alone value, but businesses can unlock incredible insights to improve operational efficiency by integrating sensor data with other data points.

One example of how data can transform operations with action-oriented insights is Pollin8's work with New Zealand customer PB Traffic. PB Traffic provides traffic signal systems ranging from portable, temporary lights to large-scale deployments. PB Traffic operates traffic lights on the Atiamuri Bridge, along Auckland Airport's runways, through the Tauranga Eastern Link and the Northern Busway cabling project.

Portable traffic lights are essential for road and pedestrian safety while maintaining efficient traffic flow. PB Traffic faced a business challenge when thieves targeted its mobile traffic light systems. Traffic light units cost up to NZ\$30,000 per unit, so stolen assets became expensive to the PB Traffic business. Additionally, the removal of critical traffic signals elevated community safety risks.



PB Traffic engaged Pollin8 and leveraged their SaaS solution within days with IoT-enabled sensors attached to each traffic light unit, connected to the Thinxtra OG Network. Sensors continually share location information over the Thinxtra OG Network to a central data platform. The central data platform gives PB Traffic and local law enforcement officers real-time proactive alerts via mobile, text, and email. Fast, reliable insights on asset location data let law enforcement officers retrieve stolen assets efficiently and before there is any danger to the public.

In addition to remote monitoring and alerting, the platform also provides use-based servicing notifications and jobs to service personnel. This feature, combined with multiple integration options, and the add-on to retain a copy of your own data, provides the flexibility to build fit-for-purpose solutions for specific use cases. Pollin8 is fast building a reputation for strategically improving operational efficiencies for leading New Zealand organisations.

At Pollin8, we are device and network agnostic, but we opt to partner with Thinxtra, The IoT Telco, for many applications. Thinxtra's partner ecosystem gives us extensive hardware options for our fit-for-purpose customer solutions. It's easy to integrate with the OG Network. Importantly, it often provides the best ROI for our customers, especially for non-powered applications.

- Nick Pickering, Founder at Pollin8

Why the Thinxtra OG Network?

The Pollin8 team chooses to partner with Thinxtra, The IoT Telco, to provide sensor hardware and connect its sensors. The Thinxtra OG Network, powered by Sigfox, is a public, low-cost, low-power, wide area network that connects IoT devices over long distances. Providing close to 100 percent coverage of New Zealand, Thinxtra's OG Network connects devices where traditional network connectivity options are unstable or unavailable."

The future for customers and partners

Pollin8 is committed to supporting the achievement of the UN's Sustainable Development Goals by transforming business operations across a wide range of industries to more sustainable practices. Pollin8 will continue to integrate new and additional data streams to its platform, such as video recognition on the edge, to remove the need for manual, error-prone, non-sustainable work practices.

At Thinxtra, we know our partners need to deliver a positive customer experience at every stage of an engagement. That includes a choice of proven hardware devices and network connectivity they can depend on in all conditions, 24x7. We're proud to provide partners like Pollin8 access to the Thinxtra OG Network, a ubiquitous radio frequency network dedicated to connecting IoT devices across Australia, New Zealand, Hong Kong, and Macau. Its reliability, low-cost, long-range connectivity stability and "plug and play" installation makes Thinxtra a trusted choice for partners who need reliable network performance.

- Loic Barancourt, Founder at Thinxtra

About Pollin8

The Pollin8 mission is simple: leveraging technology to add value to your business in the most practical way. We understand all businesses have different needs, which is why we offer the flexibility to consume as a SaaS, while having the option for the platform to grow with you, whether that's for integration with other sensors and systems, viable pricing models at scale or white labelling.

For details on Pollin8's full range of products and services, visit our [website](#).



Pickering says, "Over the next decade, data-based insights are a critical differentiator for businesses that will thrive and those that will gradually fade away. Data alone often isn't valuable in and of itself as companies usually don't have the time to analyse it. Organisations unlock business value when information is collected and connected with other data sources quickly and reliably, resulting in advice or action.

At Pollin8, we've learned how to work efficiently with customers to identify their needs and deliver a right-sized solution to deliver transformative insights. Our solutions are proven, easy to operate, and are available as a low-risk SaaS solution, or can grow with your needs into a white-label solution for partners and solution providers."