

CASE STUDY



**Natural Hazards
Commission**
Toka Tū Ake

TECHNOLOGY
CRAFTED
with
SPIRIT

Background

The Natural Hazards Commission (NHC), formerly known as EQC, is a Crown entity responsible for natural disaster insurance and research in New Zealand. As a public sector organisation, NHC is committed to leveraging technology to improve its operations and service delivery while maintaining cost-effectiveness.

Industry

Public Sector – Natural Disaster Insurance and Research

IT Environment

Microsoft Azure, PaaS

Solution

Cloud Optimisation

Code Restructuring

Cost Management

Natural Hazards Commission Cloud Optimisation

The Opportunity

The Natural Hazards Commission (NHC) were strategically focused on optimising operational costs and improving cloud infrastructure efficiencies. Their goal was to enhance performance, strengthen security, and reduce expenses while aligning with public sector benchmarks for digital innovation.

The Solution

NHC engaged The Instillery to lead a comprehensive cloud optimisation initiative. The Instillery implemented a multi-faceted approach:

1. **Codebase Restructuring:** Dramatically optimised NHC's codebase to enhance maintainability and performance.
2. **Cloud Service Transition:** Migrated from Infrastructure as a Service (IaaS) to Platform as a Service (PaaS) for improved security and cost-efficiency.
3. **Dynamic Resource Management:** Implemented a flexible, on-demand service model.
4. **Proactive Cost Management:** Employed strategic Azure cost management practices.

The Results

The partnership between NHC and The Instillery yielded impressive outcomes, which included:

- 85% reduction in codebase size while improving maintainability and performance
- 35% decrease in data platform expenses since 2022
- Enhanced security through the transition to PaaS
- Implementation of a dynamic, on-demand service model
- Alignment with strategic goals for efficiency and cost-effectiveness in the public sector

These results not only demonstrated significant cost savings but also positioned NHC for future technological innovations.