

A photograph of a modern regional airport terminal building with a large glass facade and a covered walkway. People are walking on the path, and a yellow taxi is visible in the background. The image is overlaid with a green tint.

# THE CRITICAL ROLE EDGE DCs PLAY IN REVOLUTIONISING REGIONAL AIRPORT OPERATIONS

REGIONAL AIRPORT

## Overview

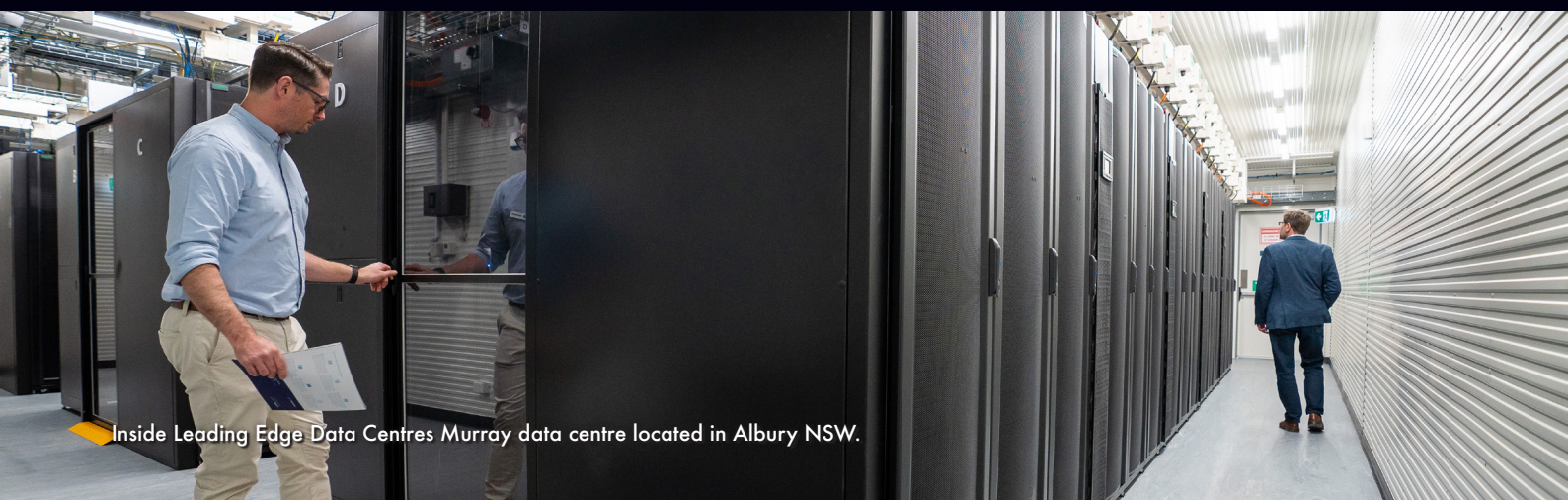
In the digital age, regionally located airports grapple with an array of challenges that can inhibit their efficiency and growth. At Leading Edge Data Centres, we recognise the critical role edge Data Centres (DC) can play in mitigating these issues and enabling airports to operate smoothly and securely.

Without edge DCs, regional airports can face significant operational inefficiencies. The traditional model of transporting data to a metro-based DC for processing can lead to delays due to higher latency, potentially disrupting critical operations. From baggage handling and flight scheduling to security checks, inefficiencies in these areas can have cascading effects, causing flight delays, passenger inconvenience, and increased operational costs.

Moreover, the absence of an edge DC nearby can compromise security. Surveillance systems generate vast quantities of data that, if not processed in real-time, lead to gaps in threat detection and response.

A lack of close to on-site data processing can also affect an airport's compliance with data privacy regulations. Transmitting sensitive data to metro locations can expose it to potential breaches, undermining data sovereignty and possibly resulting in non-compliance with international and national data privacy regulations.

Additionally, without the scalability offered by an edge DC, airports may struggle to keep pace with the increasing digitisation of services and growing regional passenger traffic.



Inside Leading Edge Data Centres Murray data centre located in Albury NSW.

## Solution

Leading Edge Data Centres (LEDC) interconnected network of Tier III certified, regionally located DCs offers the solution to these pressing issues. With an LEDC near the airport's vicinity, real-time data processing becomes possible. This facilitates more efficient and accurate operations across the board, from baggage tracking to flight scheduling, reducing delays and improving the overall passenger experience.

LEDC facilities significantly enhance security measures. Real-time processing of surveillance data allows for immediate threat detection and response, strengthening airport security. Additionally, close to on-site data processing ensures data sovereignty, aligning with data privacy regulations and reducing the risk of breaches.

Furthermore, LEDC facilities can offer scalability that can accommodate growing regional passenger volumes and increasingly complex digital services. This flexibility ensures the airport's operations can expand and evolve seamlessly, keeping pace with the rapid digital transformation occurring in the industry.

In summary, while the absence of an edge DC nearby can pose numerous challenges for airports, the use of these facilities offers a powerful solution. Leading Edge Data Centres is committed to helping airports overcome these obstacles and unlock the vast potential of real-time, close to on-site data processing.

## IT Infrastructure Network Example for a Regional Airport

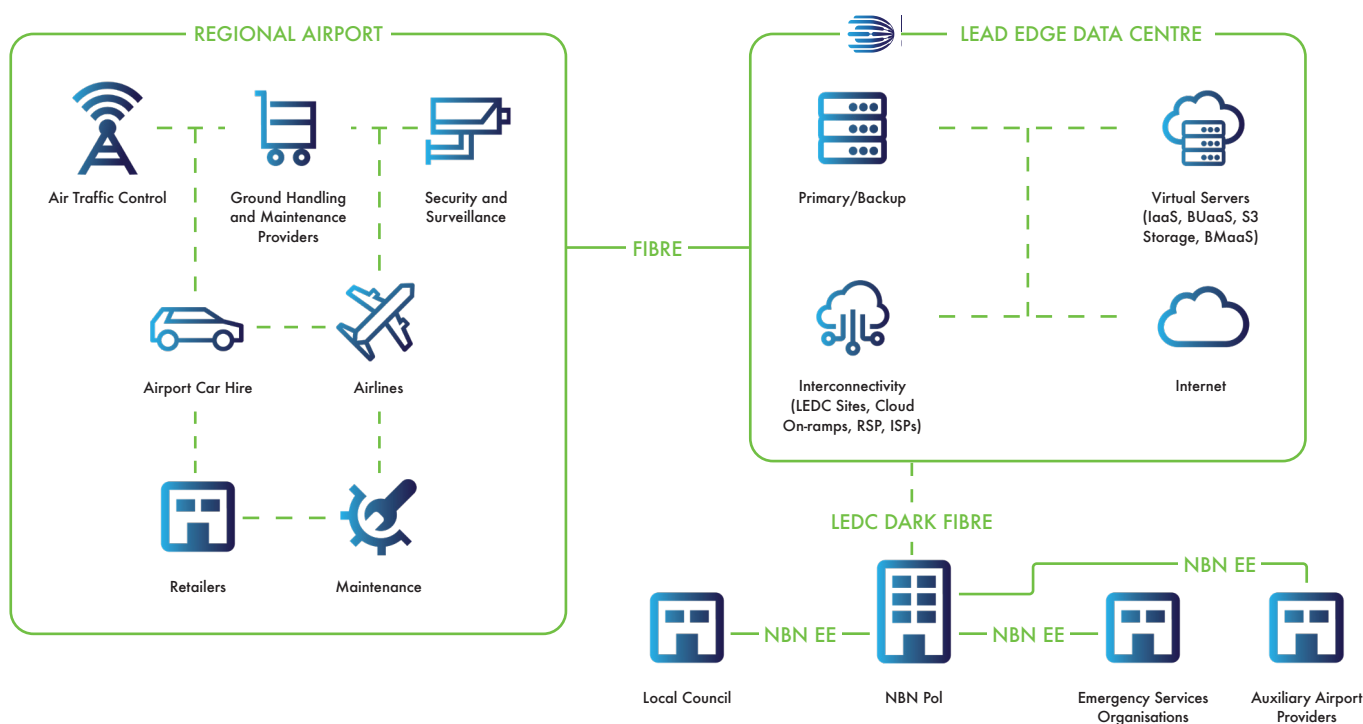


Diagram summary: An airport ecosystem hub for tenants within the airport enables seamless collaboration, leveraging of shared resources, collaboration with other airport stakeholders (e.g. airlines, authorities, ground handlers), and IT infrastructure optimisation, improving tenant operational effectiveness and competitiveness through LEDC's interconnected network of regional data centres.

## Who is Leading Edge Data Centres?

Leading Edge Data Centres is a regional technology company whose vision is to empower regional Australia by providing improved IT infrastructure, connectivity, and cloud services that enable regional businesses to compete and grow.

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