# Aeropath

Aeronautical information
& flight procedures

AIRWAYS International

# Experts in AIM and Procedure Design

Aeropath is Airways New Zealand's specialist provider of Aeronautical Information Management (AIM) and flight procedure design services.

Our clients are based all over the world and span the full range of aviation operations, including commercial airlines, air traffic control, airports, helicopters, general aviation, UAV operators and state regulators. Our work includes Performance Based Navigation (PBN) procedures development and maintenance, PANS-OPS training, digital aeronautical data management and charting, and development of cloud hosted solutions to support the AIS to AIM transition.

We help our aviation clients to achieve success through our experience, team expertise and breadth of products and services.

Performance Based Navigation

ICAO PANS-OPS training

AIS to AIM transition

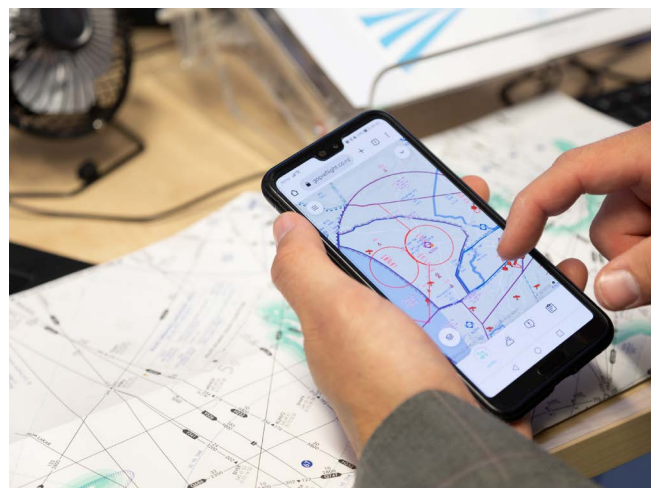Data integration and visualisation

# AIM services

Aeropath has in-depth experience in all aspects of Aeronautical Information Management (AIM). Our New Zealand Civil Aviation Rules Part 175 certification to provide AIM services is recognised in multiple jurisdictions.

### Aeronautical data

We have world-class expertise in aeronautical data and database systems. Data is at the core of what we do and provides the substance from which all other AIM products are generated.

### AIP production

Aeropath produces the AIP for New Zealand and several Pacific states. Managing ICAO standards along with the demands of originators and state-based differences can be challenging; Aeropath has the specialised tools, quality assurance expertise and multi-state experience to make AIP management seamless.

### Aeronautical charting

Innovators in the fields of aeronautical GIS, Aeropath is developing next generation solutions to enable aviation charts to become more dynamic, tailored to specific uses and fit-for-purpose — whether used on paper, desktop, tablet or cockpit FMS.

# Procedure Design services

Aeropath has broad experience and expertise in flight procedure design — working with State regulators, ANSPs, airlines and airport authorities to design, verify and maintain flight procedures. We operate in a variety of regulatory environments, and the terrain we encounter is varied and challenging.

## Flight Procedure Design

We have received ICAO recognition for PBN and conventional procedures, and our practices are aligned with the latest ICAO Standard and Recommended Practices (SARPs). Aeropath's New Zealand Part 173 certification to design flight procedures is recognised in multiple jurisdictions, and we are a contributing member of the ICAO Instrument Flight Procedures Panel (IFPP).

## Performance Based Navigation

Performance Based Navigation (PBN) helps the global aviation community reduce aviation congestion, conserve fuel, protect the environment, reduce the impact of aircraft noise and maintain reliable, all-weather operations, even at the most challenging airports. It provides operators with greater flexibility and better operating returns while increasing the safety of regional and national airspace systems.

Aeropath has introduced PBN procedures into some of the most challenging airspace in the world, including multi-runway environments, improving safety and enabling jet operations to continue in a range of weather conditions.

Aeropath's procedure design team was the world's first design organisation to receive ICAO recognition for PBN compliance, built on decades of experience throughout Asia Pacific.

**4,000+**
Instrument flight procedures designed

**15+**
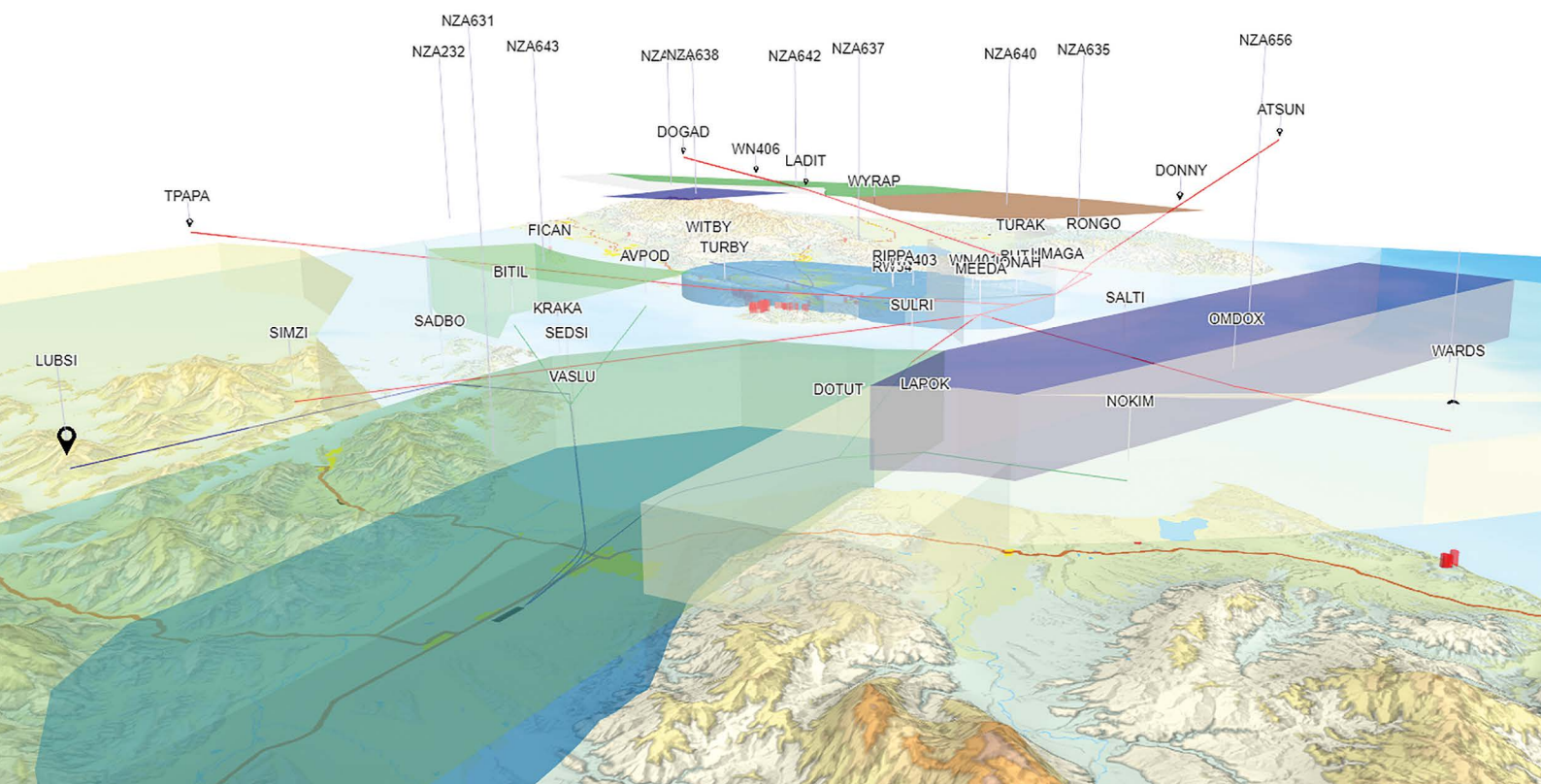PANS-OPS training for ANSPs & airlines

**80,000+**
Nautical miles of flight routes managed

**11,000+**
Aeronautical data elements managed

# Procedure Design Training

Aeropath offers a full range of procedure design training to help you further develop your organisation's procedure design capability.

Our courses cover the following initial and recurrent training:

▸ **General criteria and conventional Procedures** — Based on ICAO PANS OPS Doc 8168 for safe instrument flight operations.

▸ **Performance Based Navigation (PBN) Procedures** — Construction of RNAV, RNP, RNP AR and Baro VNAV procedure design.

▸ **Helicopter Procedures** — Point in Space approach and departure procedures applicable to helicopter operations.

▸ **ARINC 424** — How to understand and utilise the international standard for coding instrument flight procedure data.

▸ **Software training** — Specialised training in PHX, the procedure design software package used by over 27 organisations worldwide. Aeropath has also been recognised as an authorised reseller of PHX throughout the Asia Pacific region.

Our PANS-OPS training modules have a strong focus on PBN, and we also offer customised mentoring options to consolidate skills development for new designers.

## Talk to us today

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