



# Microsoft New Zealand Datacentre Region Update

Jimmy Kerr  
New Zealand North Launch Lead  
Co Lead NZ/AUS Military at Microsoft

# Microsoft Global Network – Planetary Scale



**210k+** K/m of fiber and  
undersea cables

**180+** Edge sites

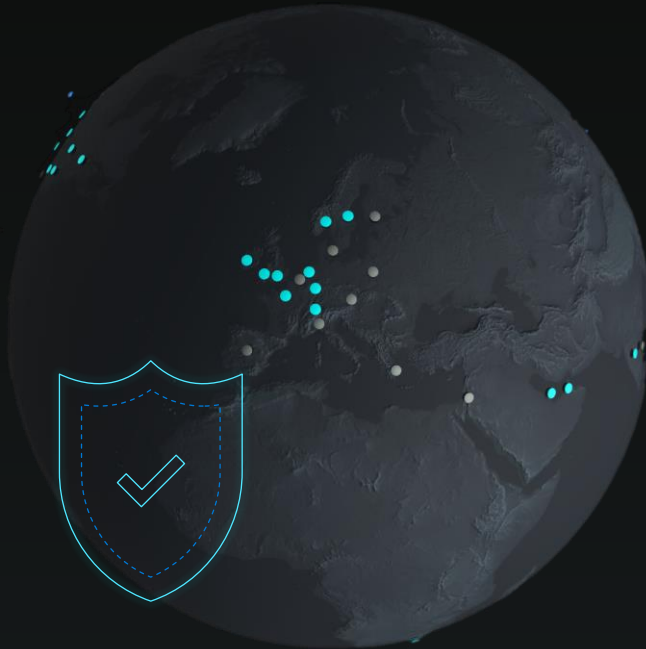
**70+** Regions

**1M+** K/m of fiber cable  
per datacenter



# Why choose a datacenter region in-country

Top factors creating new opportunities in your region



## Data Residency

Facilitate regulatory compliance with country and industry-specific regulations requiring data stored and processed in-country



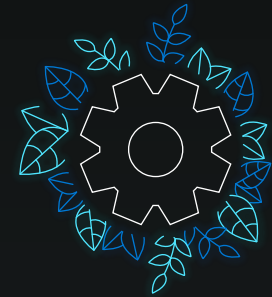
## Security & Compliance

Enable regional and local security and compliance requirements with over 100+ offerings



## Latency

Minimize network latency and improve connectivity between local datacenter regions and the cloud



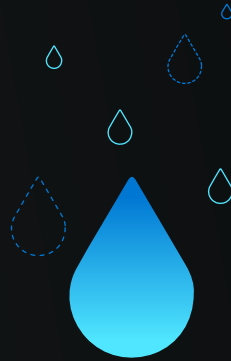
## Sustainability

Achieve your sustainability goals with next-generation innovations and local partnerships

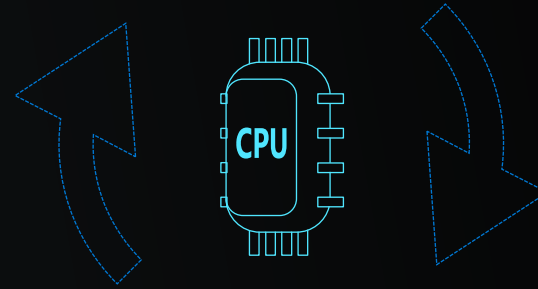
# Microsoft's sustainability commitments



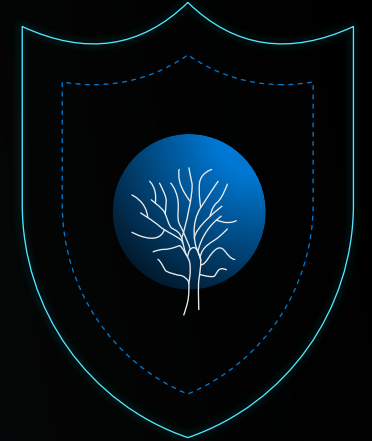
Carbon negative by 2030,  
and by 2050 remove all  
historical carbon since our  
founding in 1975



Water positive by 2030



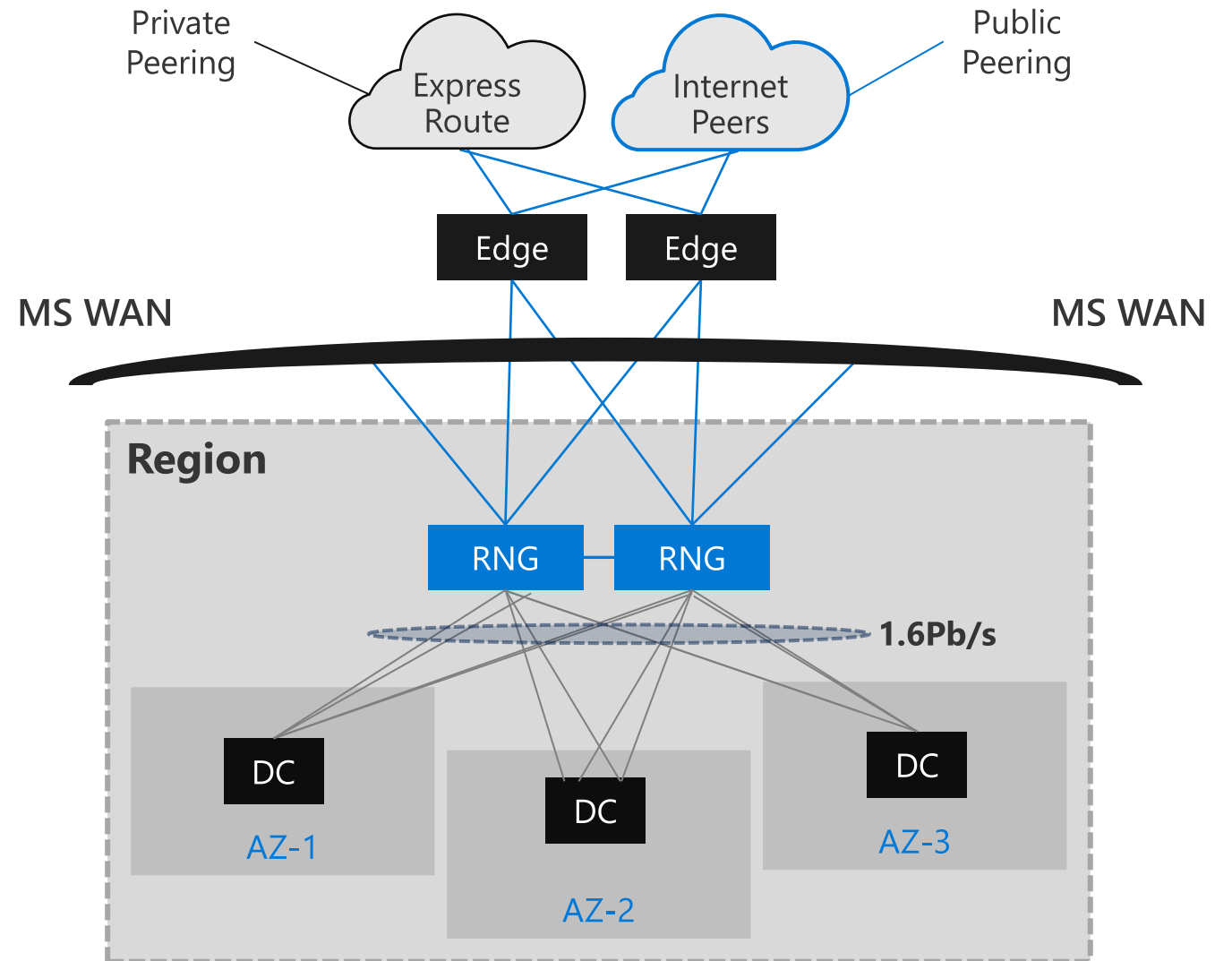
Zero waste by 2030



Protect more land  
than we use by 2030



# What is a Region

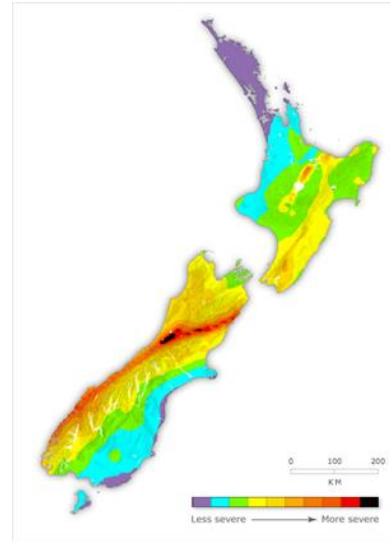
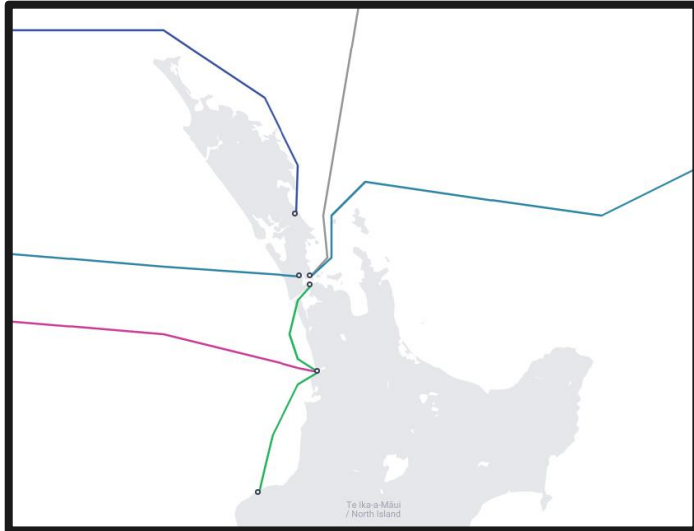




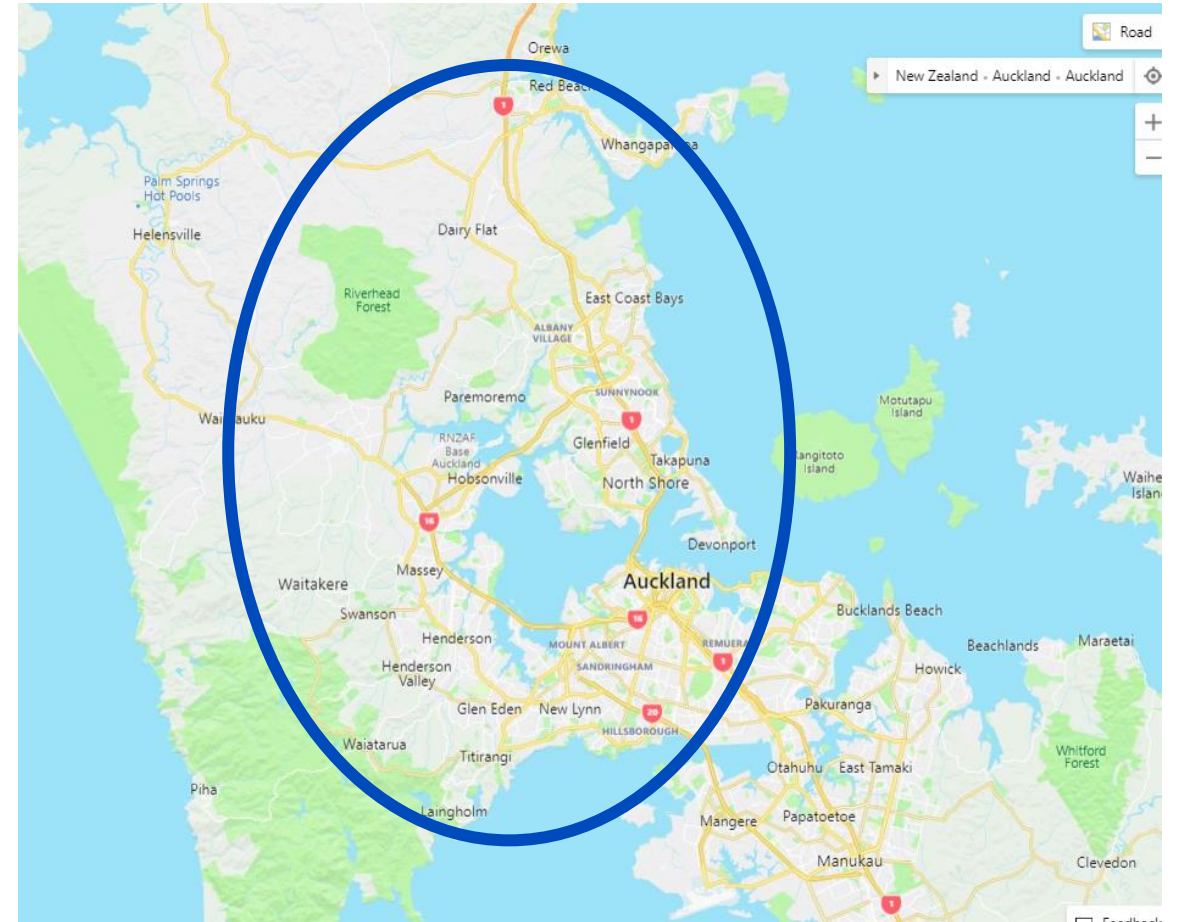
# Region build and design

- Microsoft is building 3 distinct datacentres in addition to edge and RNG sites in the Auckland area:
  - Azure Availability Zones are built-in triangle design with specific latency requirements (sub 2ms between zones) with multiple levels of power, rack and NW redundancy
  - Auckland was chosen over other areas of NZ based on:
    - 500 physical, technical and environmental factors
    - 6 mths of work by 28 engineers
    - 32 physical site visits across NZ
- Total capacity dedicated solely to MS will exceed 30MWs
- DC power consumption will be included in our Sustainability and Co2 reduction promises

## Under-sea cable map



## DC Locations (approx. site)\*



\*Our Privacy and Security policy for the protection of our customers requires Microsoft not to disclose actual DC site locations in any region globally

# Go live process





# Q & A

**Grant Beets**  
**Alliances Manager**  
**SAS New Zealand**

**Jimmy Kerr**  
**New Zealand North**  
**Launch Lead**