

TIER IV DATA CENTRE

by irix

3N+1



irix Kuching 1 DC @Santubong is the first Tier IV Data Centre in Malaysia and is a carrier-neutral and green facility. Strategically located in Kuching, Sarawak, the **Tier IV Data Centre** offers direct international connectivity to Indonesia, Singapore, and beyond via the Batam-Sarawak Internet Cable System (BaSiCS).

Located together, our Cable Landing Station (CLS) and Data Centre are both certified by Uptime Institute as Tier IV facilities, meeting the highest global standards to ensure efficiency, security, and the long-term performance of customers' mission-critical data.

ENVIRONMENTAL, SOCIAL, AND GOVERNANCE (ESG) CRITERIA

irix Kuching 1 DC @Santubong is a green facility and its location was strategically chosen to benefit from the State of Sarawak's ability to harness the predominantly renewable natural resources to develop hydroelectric power, which is the biggest contributor towards the state's power grid.

Additionally, the Data Centre's advanced closed-loop chilling system means it is not reliant on external, nor additional water sources, minimising wastage.

irix Kuching 1 DC therefore maximises energy efficiency and minimises its environmental impact.



20 October 2021



25 February 2025

GENERAL

Location : Kuching, Sarawak, Malaysia
Tier Classification : Tier IV
Service Availability : Zero Downtime

POWER Low PUE Design

Guaranteed power supply mode : 2N
Diesel generator mode : 3N+1
Uninterrupted power supply (UPS) : 3N+1

CERTIFICATION Tier IV

Uptime Institute : Tier IV Design (TCDD) 20 October 2021
: Tier IV Design Facility (TCCF) 25 February 2025

COOLING Closed-Loop-System

Water Usage Efficiency (WUE) : ZERO Water Usage
Cold Aisle : YES
Standard Operating Procedure : 27° C (Cold aisle)
Air Conditioning Mode : 3N+1
Relative Humidity Level : 20% - 80%

FIRE DETECTION & SUPPRESSION

Early warning smoke detection system : VESDA
Fire suppression system : Inert gas (Nitrogen)
Fire Rating : 60 minutes

COMMUNICATION LINKS International and Domestic

International access : Singapore, Hong Kong, Indonesia and Brunei
Domestic access : Sarawak, Sabah and Peninsular Malaysia

PHYSICAL SECURITY

24x7 security : Yes
Video surveillance : 52 cameras around the perimeter
Archive log depth : 1 year
Security layer : 6 layers
Infrastructure monitoring : 24x7x365

CUSTOMER MEET-ME-ROOMS

Number of rooms : 2

SERVICES OFFERED

Colocation
Cable Landing Station
Connectivity
Internet Access
Value Added Services

