

# Guam: Cables, Datacenters and IXPs



# Current State of Guam



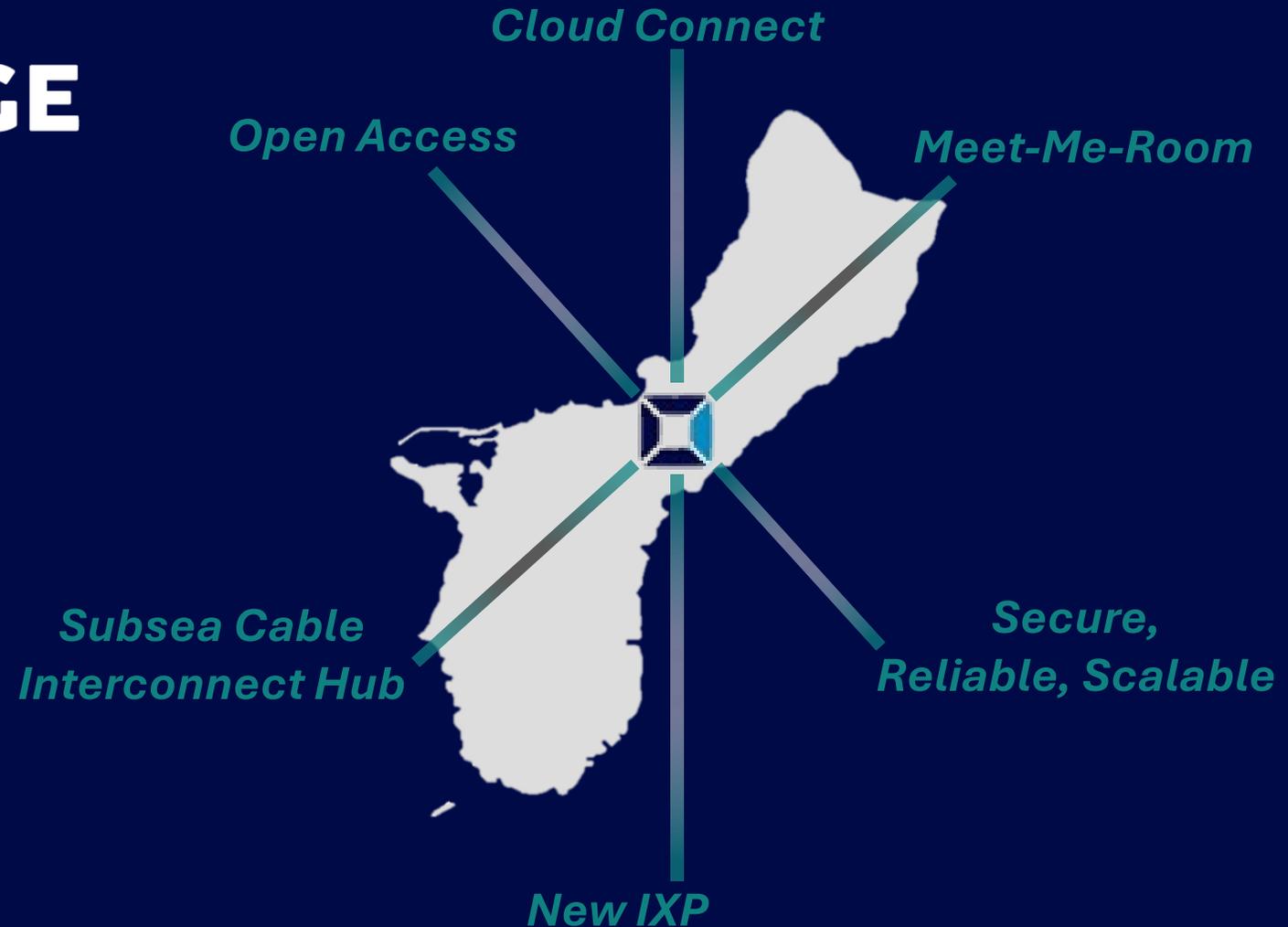
## Key Issues:

- X** No common interconnect point for all subsea cables
- X** Local incumbents charging premiums for domestic lit capacity
- X** Current datacenter options are small retrofitted CLS facilities not meant for traditional colocation
- X** No Central peering point for IX traffic

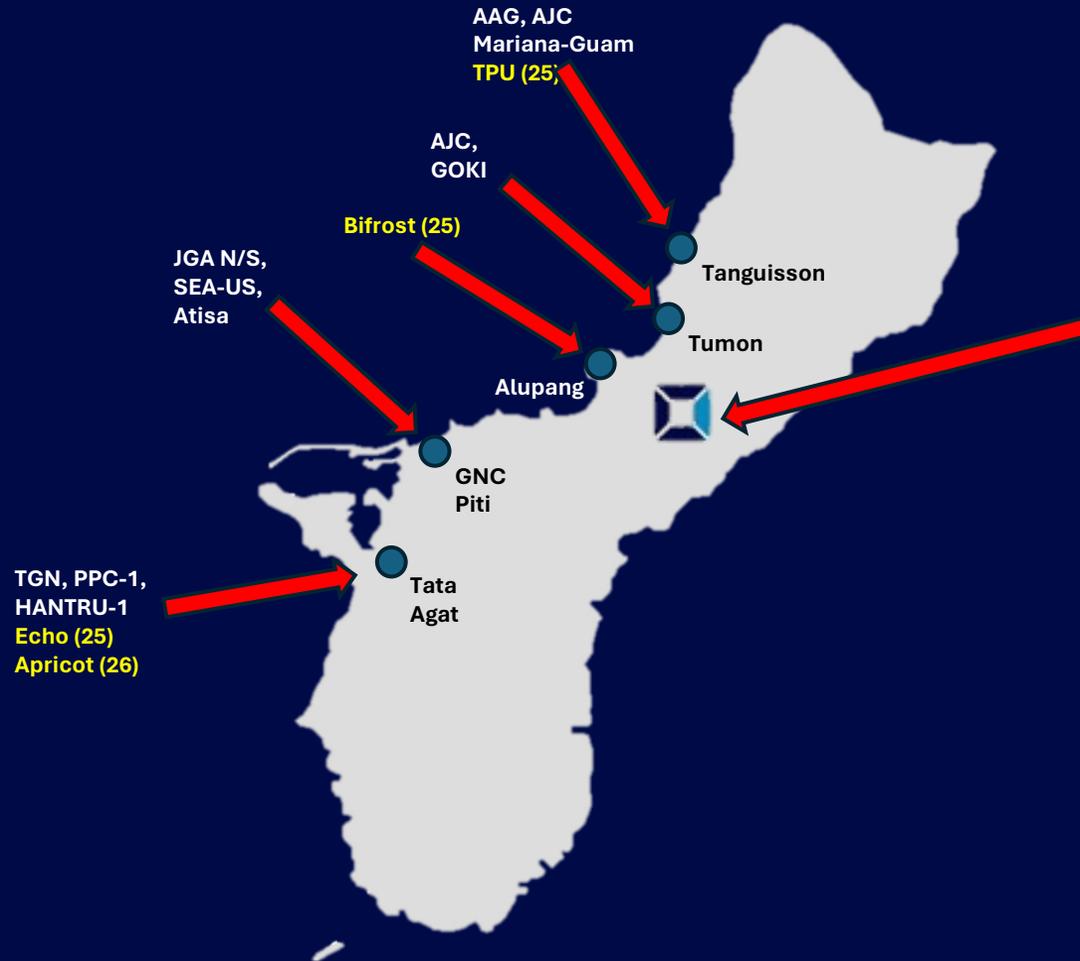
# GUAM EXCHANGE

## *Interconnect Ecosystem:*

- + Central hub to access all Subsea Cables traversing Guam via x-connect at the MRR in Harmon
- + New Internet Exchange Point to tap into the 100 Tbs' of new subsea capacity traversing Guam
- + Cloud Connect Gateway to prominent Cloud Service Providers



# Harmon Campus & New Subsea Cables



## Harmon Campus

- + Key industrial center of Guam
- + Fiber dense, open access
- + Fully interconnected with every CLS via protected buried fiber
- + 33m above sea level
- + Ample utility power feeds for growth

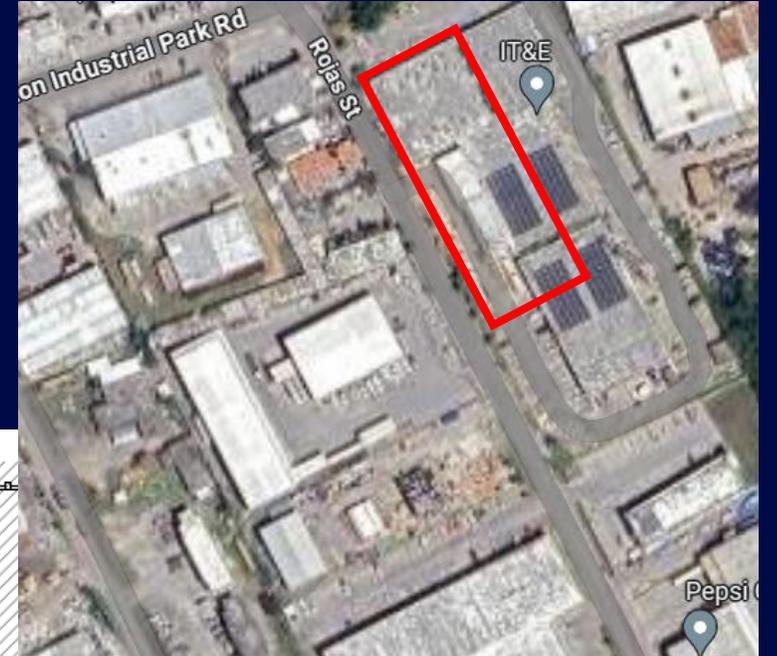
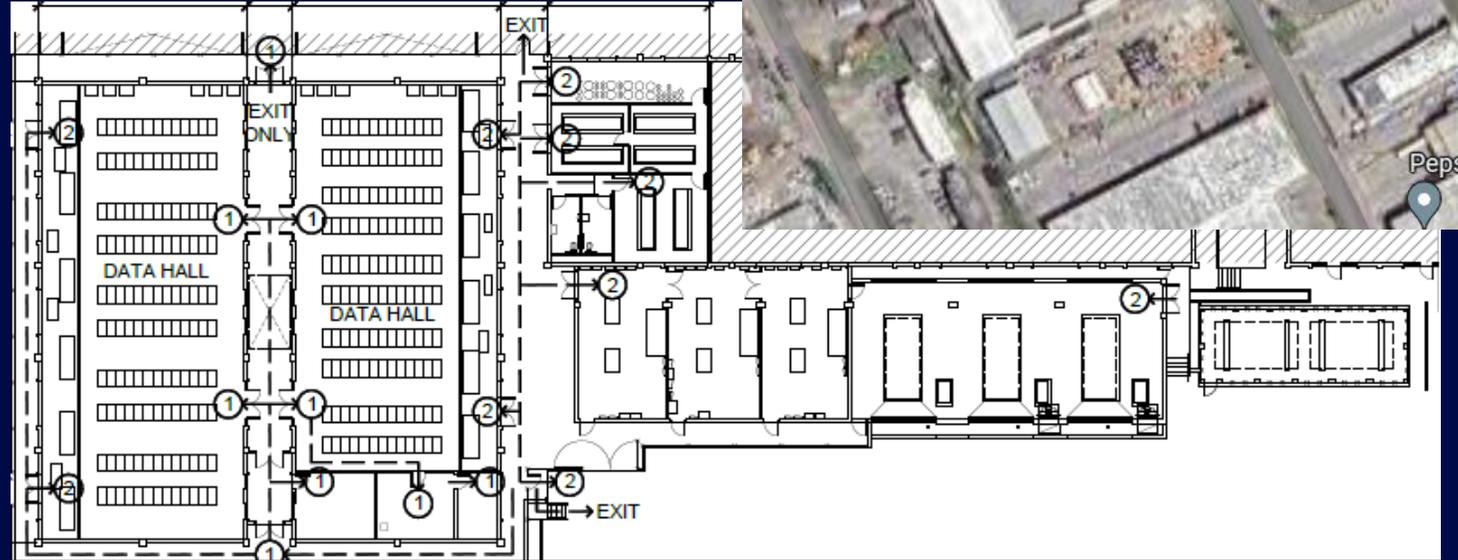
# Harmon 1

## *Data Hall Descriptions:*

- + 2 DC halls with 260+ racks
- + 1.3MW IT Load
- + 7,800 sq. ft. whitespace
- + RFS June 2024

## *Technical Features*

- + Diesel Generator N+1
- + UPS 2N+1
- + CRAC N+1
- + Stat-X Fire Suppression System
- + 7x24 BMS and DCIM systems



# Harmon 2

## *Data Hall Descriptions:*

- + 2 MW Modular Greenfield DC
- + 2 Data halls @400 racks
- + MMR w/ diverse paths
- + RFS June 2025

## *Technical Features*

- + Diesel Generator N+1
- + UPS N+1
- + CRAC N+1
- + Stat-X Fire Suppression
- + 7x24 BMS and DCIM Systems



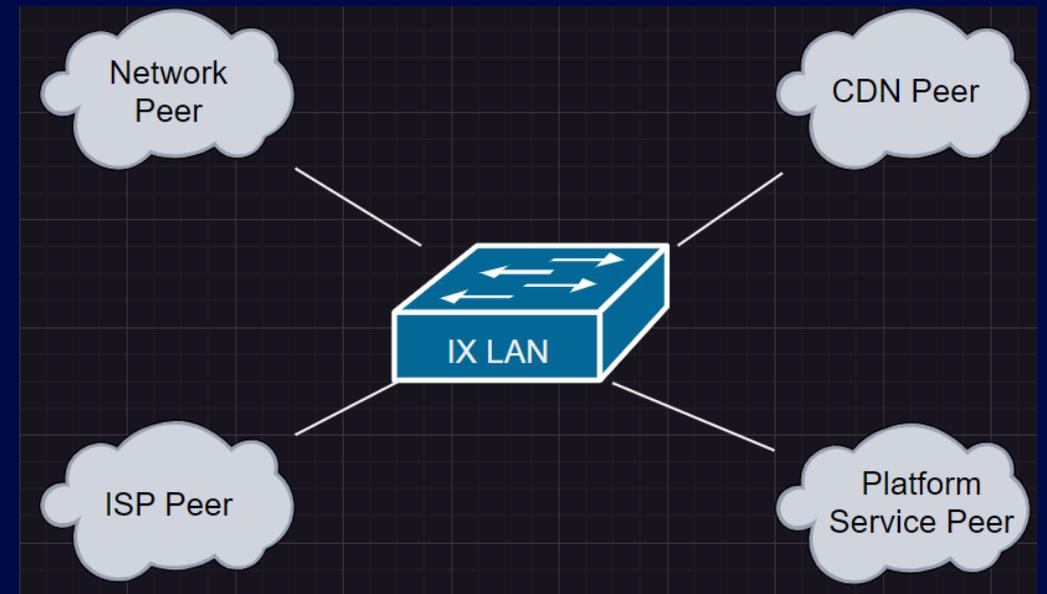
# GUAM IX

## Overview:

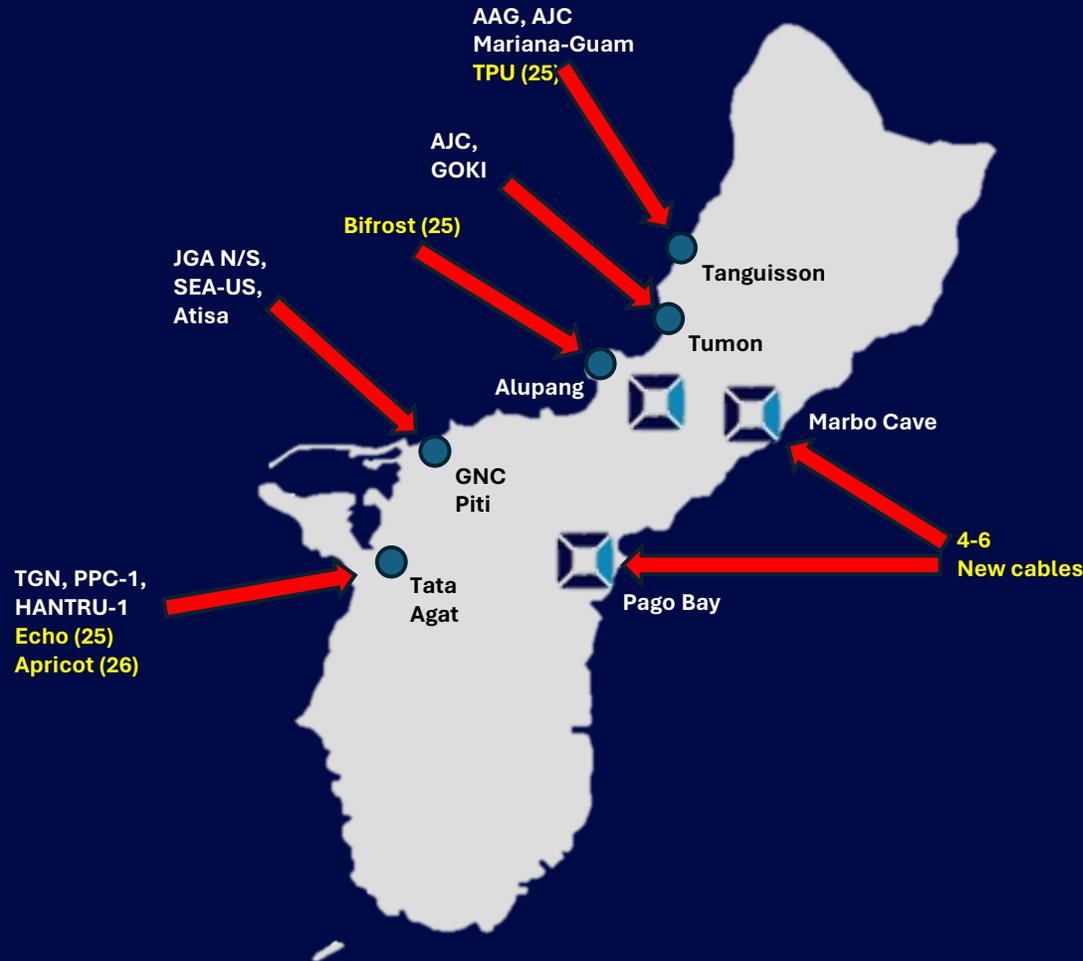
- + Deploying a cutting-edge Internet Exchange Point
- + 800 Gbps of Ethernet throughput between customer ports allowing scalability
- + Route Server available
- + Highly efficient and secure network routing

## Technical Features

- + Arista Switches, Dell PowerEdge Server, Juniper Router
- + Supports 48x 10GE and 4x100GE connections



# East Coast Cable Landing



## Proposed East Coast Landing Stations

- + Citadel has secured land for new landing points, bolstering diversity in Guam
- + New fiber builds would interconnect back to Harmon in a ring configuration
- + Marine surveys and permitting in progress

# Tinian Proposal

- + 10k+ sqm land parcel secured for new powered shell DC site
- + Buried power and fiber concrete ducting from power plant to DC site
- + New cable landing @ Lasarino Beach with trenched fronthaul concrete ducting to DC site
- + New 6-18 MW Solar/BESS with direct connection to DC site

