

Enhancing Interconnectivity

EPF 2024, Wien

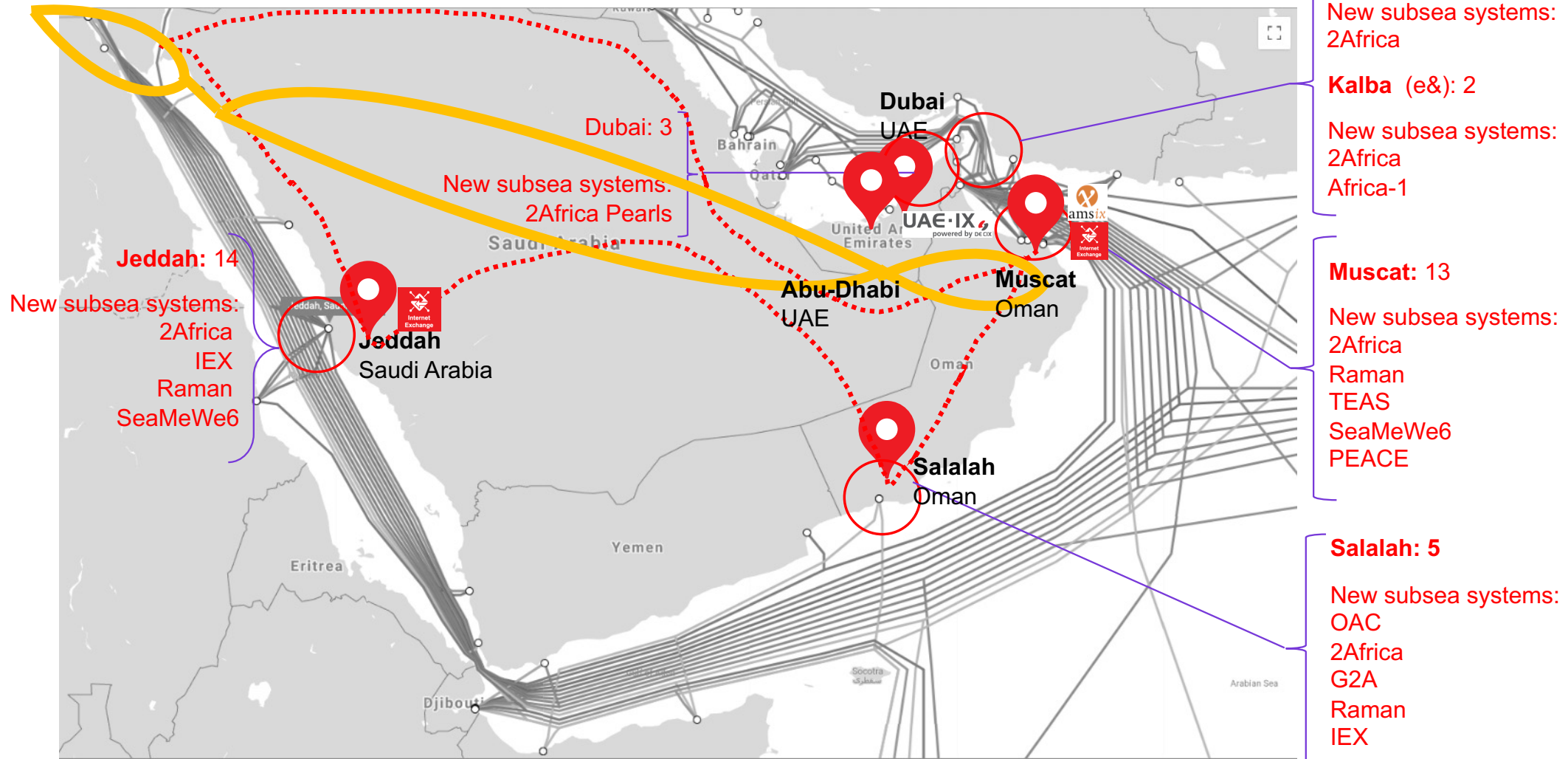
Filiz Yilmaz, Director Business Development Interconnection - EMEA

***Subsea cables are 'hip' but they
alone are not enough***

Middle East



New Subsea and terrestrial systems



<https://www.middleeasteye.net/news/saudi-arabia-fibre-optic-cables-internet-future-map-redrawing>



Opportunities

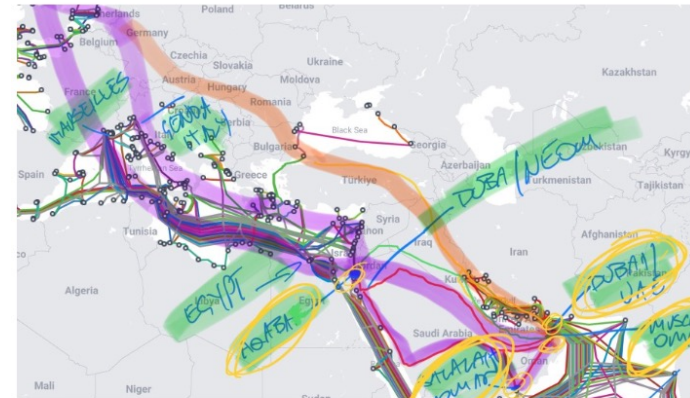
<https://blog.equinix.com/blog/2024/07/09/bypassing-the-red-sea-bottleneck-could-lead-to-big-opportunities/>

The opportunities: New infrastructure projects emerge

A number of high-profile infrastructure projects[5] are planned or in progress to help create diverse terrestrial/hybrid systems in the region. For example:

- While the Cinturion TEAS South cable system will still be vulnerable to Red Sea disruption, the TEAS North hybrid cable system will bypass the Red Sea completely.[6]
- The groundbreaking collaboration between ZOI and Telecom Egypt[7] will build a high-capacity transport network between the Mediterranean and the Arabian Sea via MC1, our Equinix IBX® data center in Muscat.
- Iraq's Development Road[8], an ambitious 1,200 km rail and road transport project that stretches from the Al-Fāw port on the Arabian Gulf to Türkiye, would support high-capacity terrestrial network infrastructure if investment can be secured.
- The KSA Vision 2030 and NEOM[9] project aims to build a digital economy to rival that of Dubai, based on foreign business and cultural tourism. Saudi Arabia has by far the largest international capacity and internet consumption of any Gulf country, and the central role it will play in building alternatives to the Red Sea bottleneck is clear. With its center3 project, Saudi Telecom Company has made a huge investment in cable systems, data centers, IXPs and IT infrastructure, reflecting a long-held ambition to become the digital hub of the Middle East.[10]

To connect subsea cable systems from Asia, East Africa and Europe across the Gulf and Arabian Peninsula, these projects will require new data centers—or the expansion of existing ones—to serve as network interconnection hubs.



Who wins from trouble in the Red Sea?



Bevan Slattery

Founder PIPE Networks, NEXTDC, Megaport, Superloop, SODA, SUBCO, Biopixel and Cloudscene.



March 20, 2024

(Written by human. Image created quickly and by hand - it shows)

Twelve months ago if you were at Capacity Middle East and said you were looking to build a fibre route from Europe through Türkiye, Iraq the Gulf and onto Dubai people would have thought you were being "very entrepreneurial" or possibly smoking a little crack. Either way, you weren't being taken entirely seriously. But as I said to someone, "These routes weren't taken seriously as options when you had other good options. But when you're out of good options, any other option looks good."



Emerging Corridors

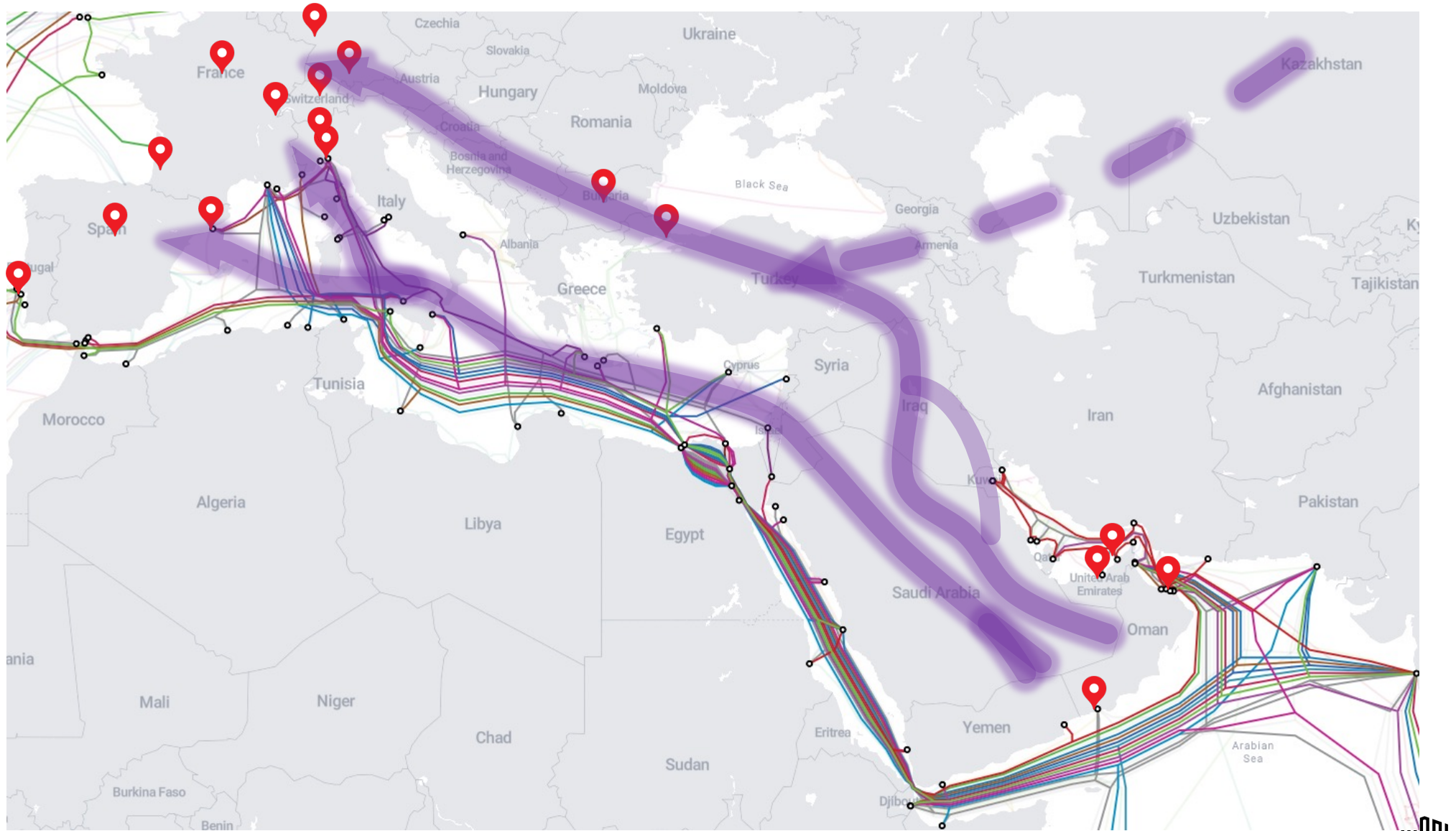
ME - Eurasia - Europe

ME – TR – SO Terrestrial route

ME – TR – Med Terrestrial jump in Aegean

ME – Med – Milan/Barcelona – Med subsea with stops in GN & BA

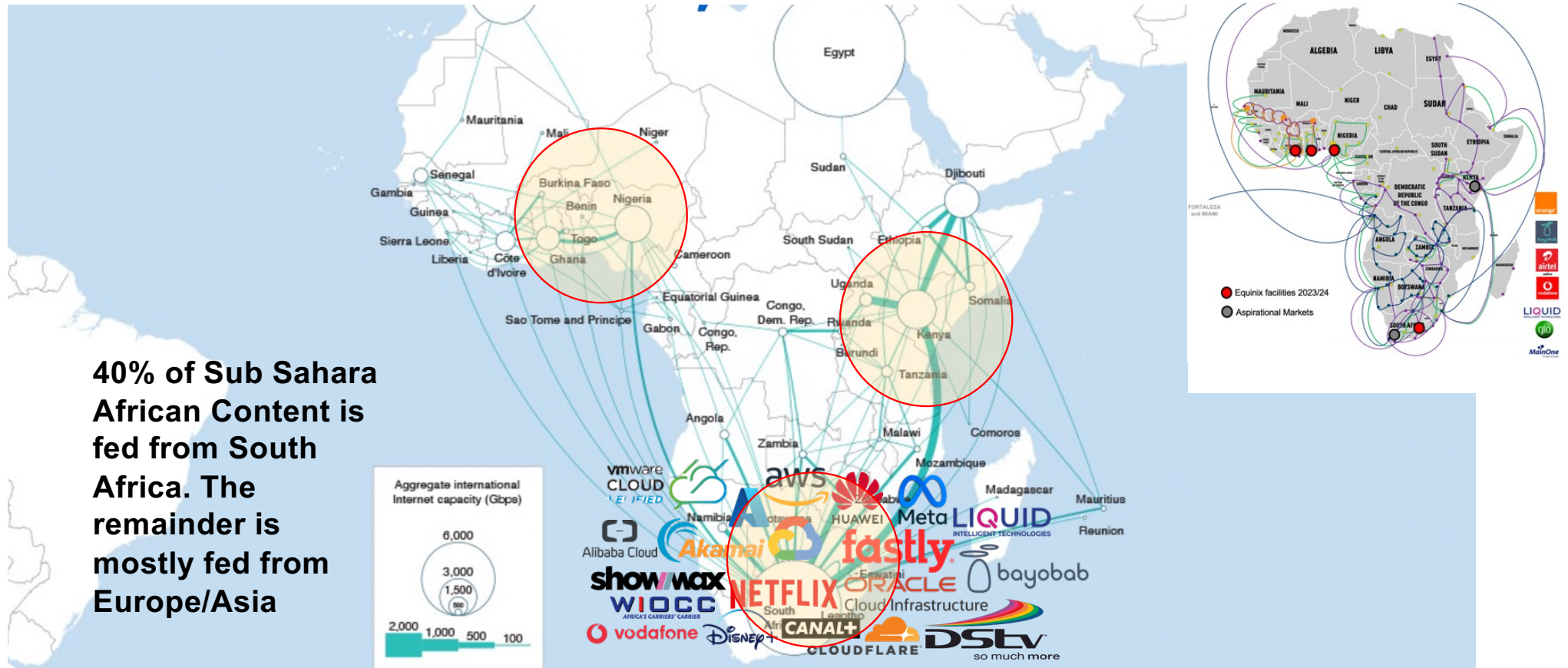




Africa

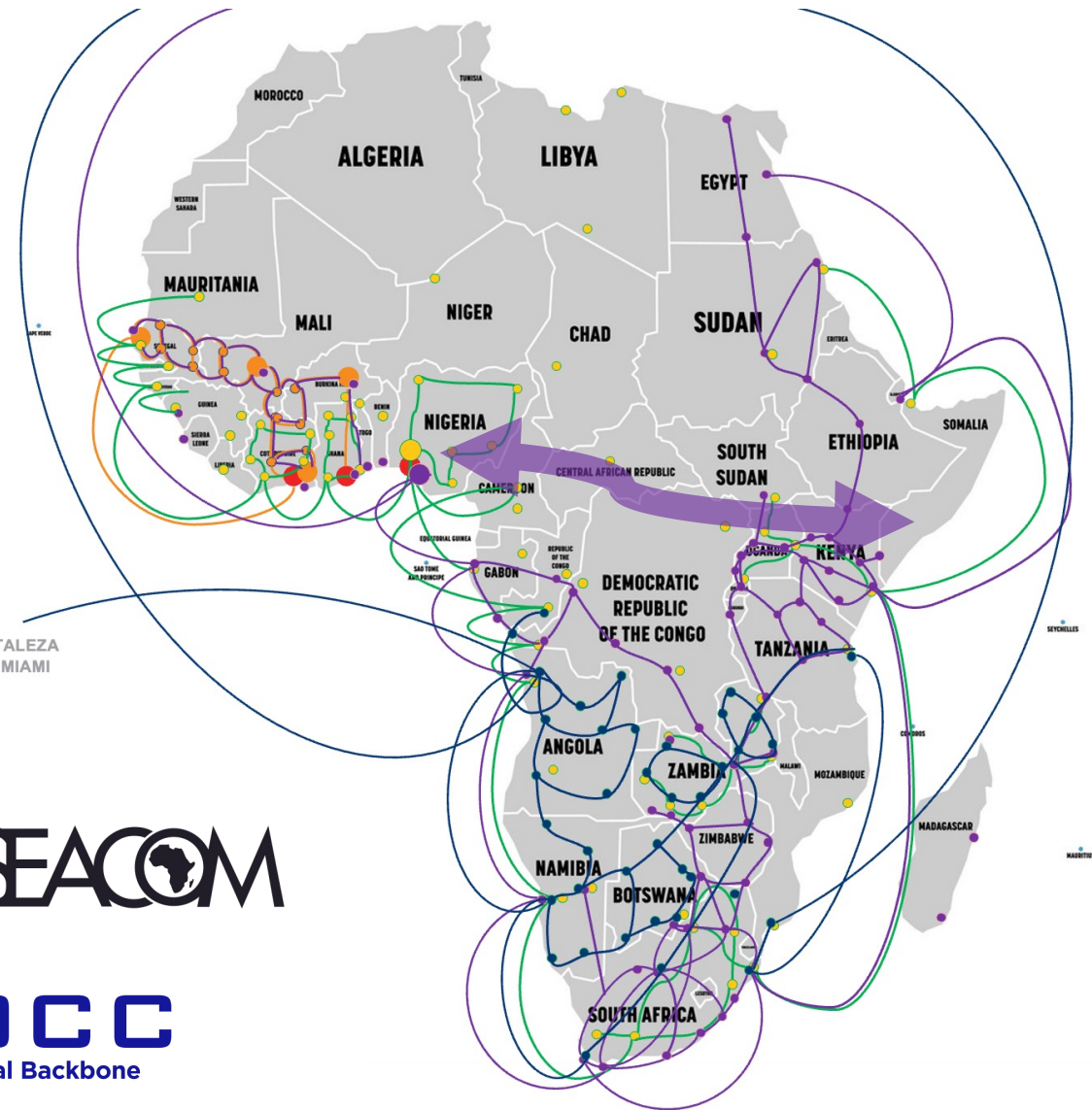


Intra – African Routes, 2023



Developing Regional Reach through partnerships

Interconnection Hubs in Africa with partner networks facilitating distribution of content and services across West African and Southern African markets.



FORTALEZA and MIAMI



List of logos is not exhaustive – apologies for any omissions

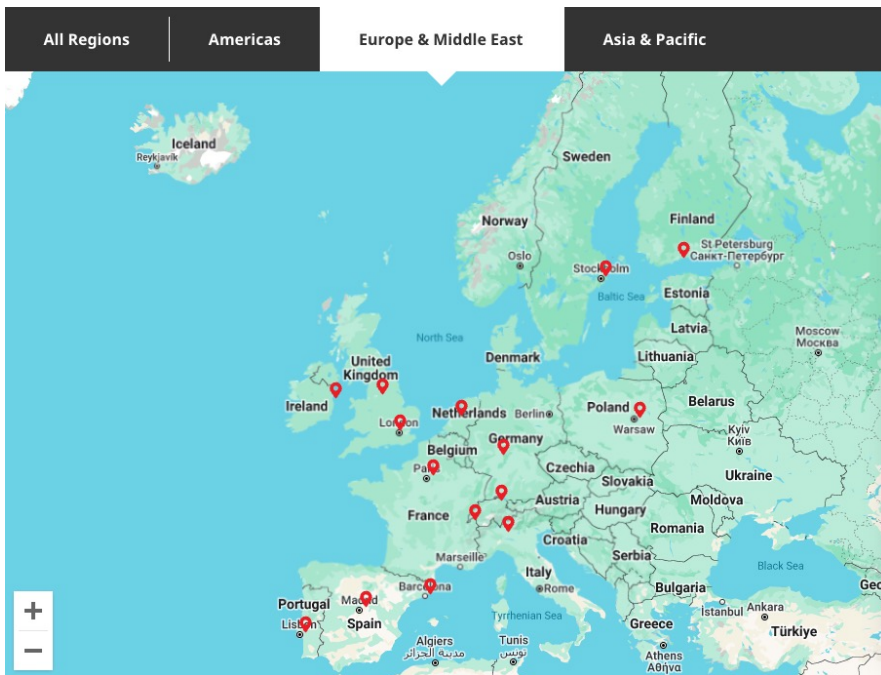


IX Partnerships



Datacenters & IXP's

EQUINIX IXs in Equinix locations in EMEA



PARTNER IXs in Equinix locations in EMEA

With or without an EQX IX working with Partner Ixs in EMEA

Organizers of EPF + a lot more others are in Equinix facilities alongside EQX IX

In total 55 Partner IXs in EMEA

Equinix Internet Exchange points (IXs) are now more easily detectable

<https://ix.equinix.com/home/>

Locations & Traffic
Peer with Equinix Internet Exchange at these locations.

All Regions | Americas | Europe & Middle East | Asia & Pacific

- 208 IBXs**
In 45 Metros around the world, in 26 countries, on 5 continents
- 33.36 Tb/s**
of peak daily exchange traffic with average daily rate at 27.16 Tb/s
- 2283 ASNs**
(Networks) from 1887 Organizations

All Regions | Americas | Europe & Middle East | **Asia & Pacific**

- 47 IBXs**
in 10 Metros, in 7 countries, on 2 continents
- 18.05 Tb/s**
of peak daily exchange traffic with average daily rate at 13.12 Tb/s
- 946 ASNs**
(Networks) from 655 Organizations

Participants in Singapore Exchange Point

Total Participants: 392, Total ASNs: 475

List of 439 Participants and 439 ASNs as published in PeeringDB

Participant Name	ASN	Policy
PCH AS42	42	Open
Cisco Systems, Inc.	109	Selective
Verizon - Asia-Pac	703	Selective
Apple Inc.	714	Selective
DMIT Cloud Infrastructure	906	Open
Misaka.io	917	Open
Akari Networks	983	Open
OWS	984	Selective
HERE Global B.V.	1248	Open
Vodafone Global Network	1273	Selective
Unitas Global	1828	Selective



New builds



New Builds

2024 and 2025 Retail Expansions (New Markets)

APAC

New Builds

Chennai – NEW Metro

CN1 – 17MW Tot, Phase1 – 4Q 2024 3.2MW (900cabs)

Jakarta, Indonesia – NEW Metro

JK1 – 8MW Tot, Phase1 – H2 2024 2.8MW (574cabs)

Johor, Malaysia – NEW Metro

JH1&2 – 15MW Tot, Phase1 – H1 2024 2.4MW (500cabs)

Kuala Lumpur, Malaysia – NEW Metro

KL1 – 5.4MW Tot, Phase1 – 1Q 2025 2.7MW (450cabs)

Mumbai

MB3 – 32MW Tot, Phase1 – 4Q 2024 6MW (1,400cabs)

Seoul

SL4 – 2MW Tot, Phase1 – H1 2024 2MW (500cabs)

Tokyo

TY15 – 14.4MW Tot, Phase1 – Q3 2024 3.2MW (1,100cabs)

AMER

New Builds

Ashburn

DC16 – 18.8MW Tot, Phase 1 – Q3 2023 9.6MW (2992 Cabs)

DC22 – 19.7MW Tot, Phase 1 – Q4 2025 8.5MW (2128 Cabs)

Bogota

BG2 – 4.6MW Tot, Phase 1 – Q3 2023 1.9MW (550 Cabs)

Chicago

CH5 – 7.2MW Tot, Phase 1 – Q1 2026 7.2MW (1748 Cabs)

Dallas

DA11 – 6.5MW Tot, Phase 1 – Q2 2025 9MW (1946 Cabs)

Monterey

MO2 – 4.6MW Tot, Phase 1 – Q1 2025 2.3MW (720 cabs)

New York

NY3 – 21.6MW Tot, Phase 1 – Q3 2024 21.6MW (5,050 cabs)

Rio De Janeiro

RJ3 – 2.1MW Tot, Phase 1 – 4Q 2024 – 2.1MW (560 Cabs)

Silicon Valley

SV18 – 7.2MW Tot, Phase 1 – 2Q 2026 – 7.2MW (1340 Cabs)

Sao Paulo

SP6 – 6.9 MMW Tot, Phase 1 – Q1 2026 – 4.6MW (1120 Cabs)

EMEA

New Builds

Barcelona

BA2 – 4.32MW Tot, Phase 1 - Q2 2024 2.16MW (670 cabs)

Dublin

DB4 – 1.4MW Tot, Phase 1 – Q4 2025 1.4MW (Cabs)

Istanbul

IL4 – 5.4MW Tot, Phase 1 – Q3 2024 3.24MW (1125 Cabs)

Johannesburg S. Africa – NEW Metro

JN1 – 20MW Tot, Phase 1 – Q2 2024 – 4.0MW (700 Cabs)

Lisbon

LS2 – 4.32MW Tot, Phase 1 - Q1 2025 2.16MW (625 Cabs)

Lagos, Nigeria

LG3 – 10.9MW Tot, Phase 1 – Q1 2025 0.9MW (218 Cabs)

MainOne Acquisition include Lagos, Ivory coast, Ghana

Madrid

MD5 – 6.4MW Tot, Phase 1 – Q3 2025 4.14MW (1,657 Cabs)

Salalah, Oman – NEW Metro

SN1 – 1.2MW Tot, Phase 1 – Q4 2024 1.2MW (112 cabs)





EQUINIX