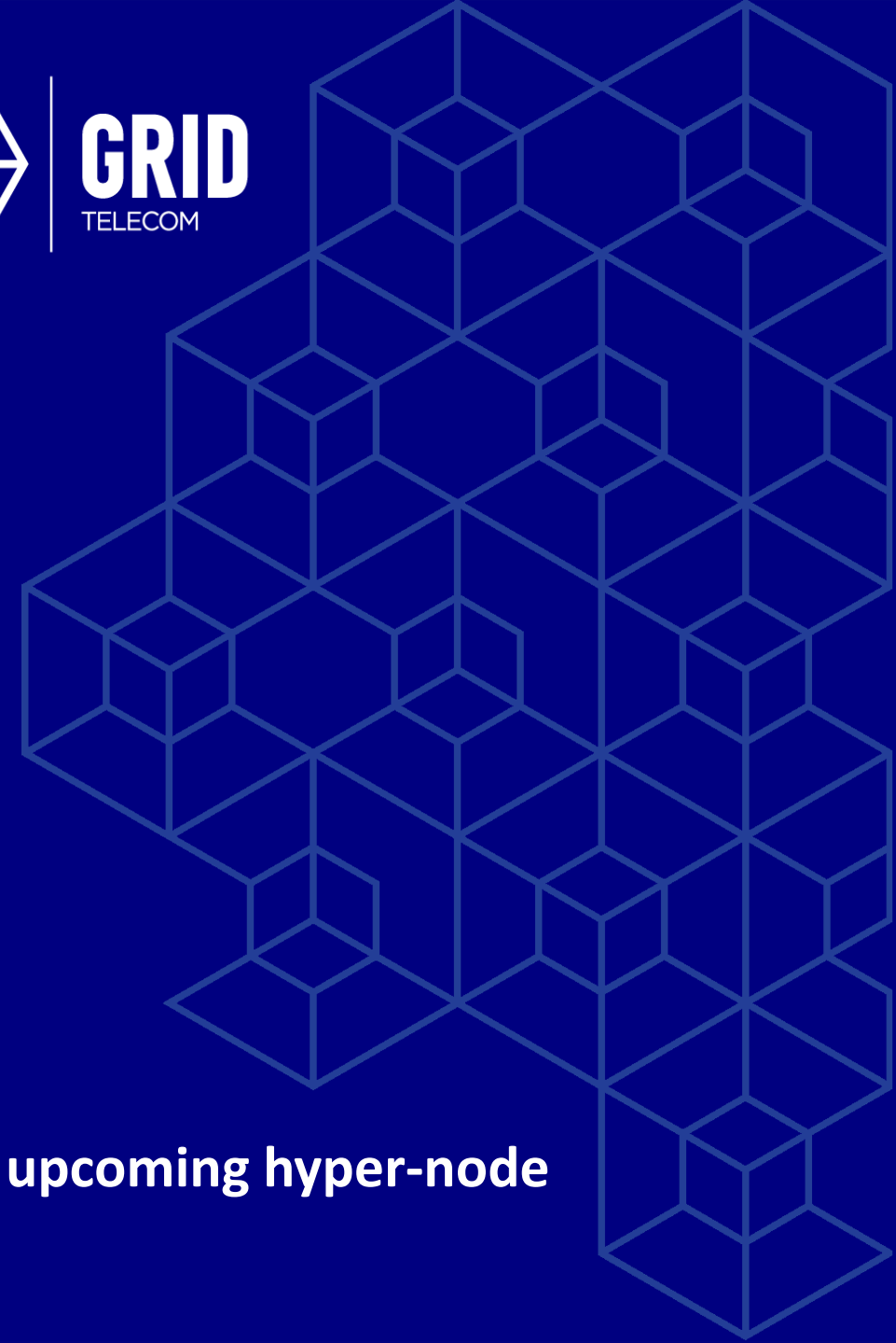


**GRID**  
TELECOM



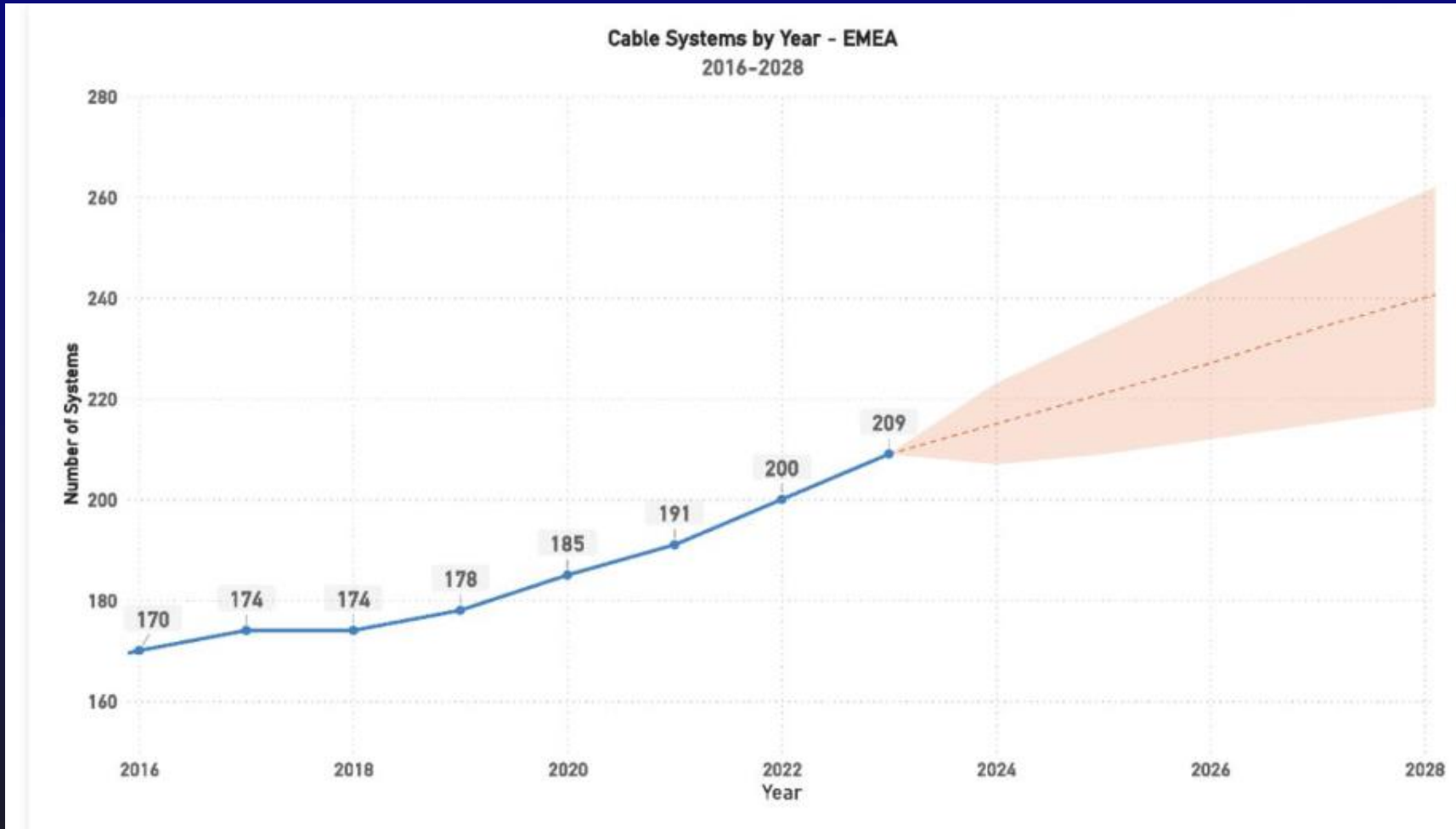
**Greece : an upcoming hyper-node**

**2019**

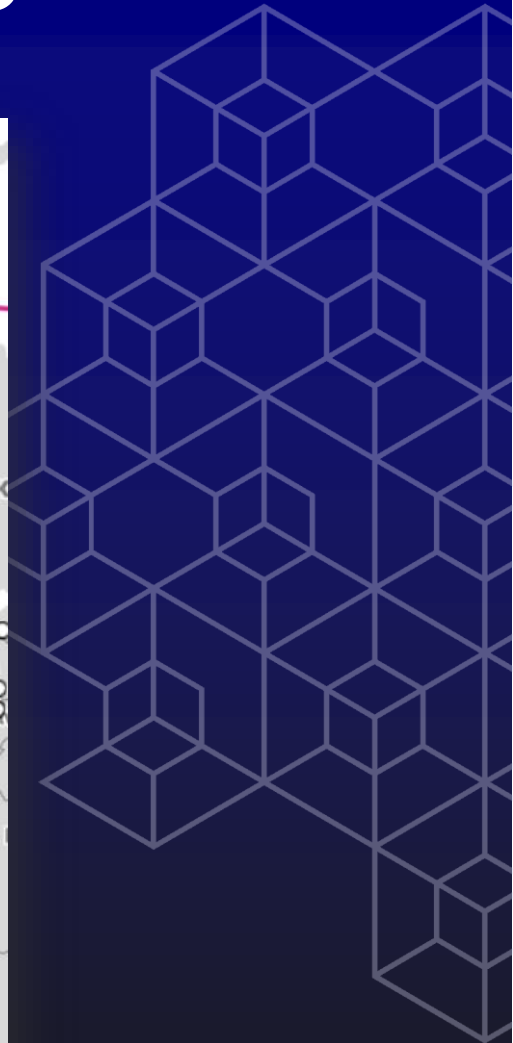
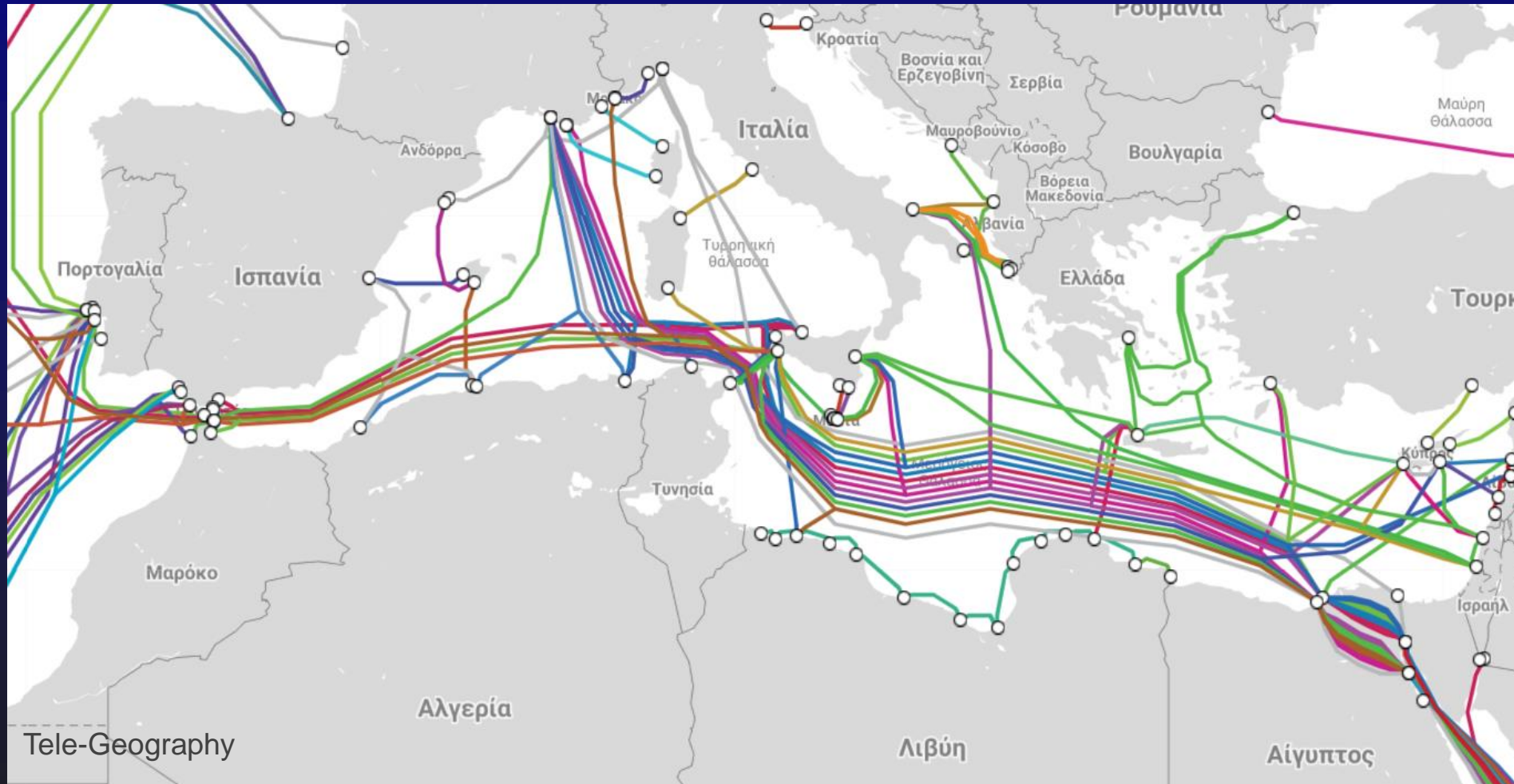
**2023**



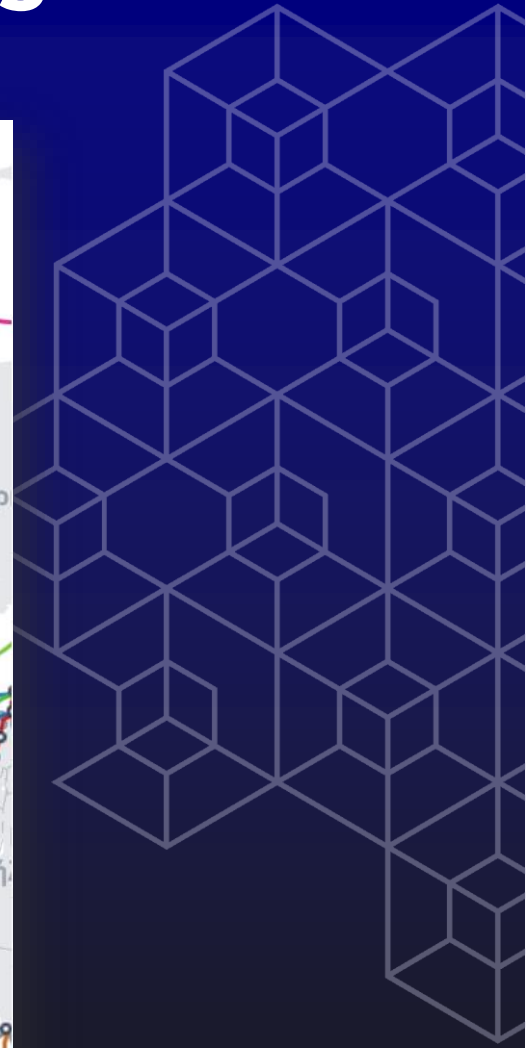
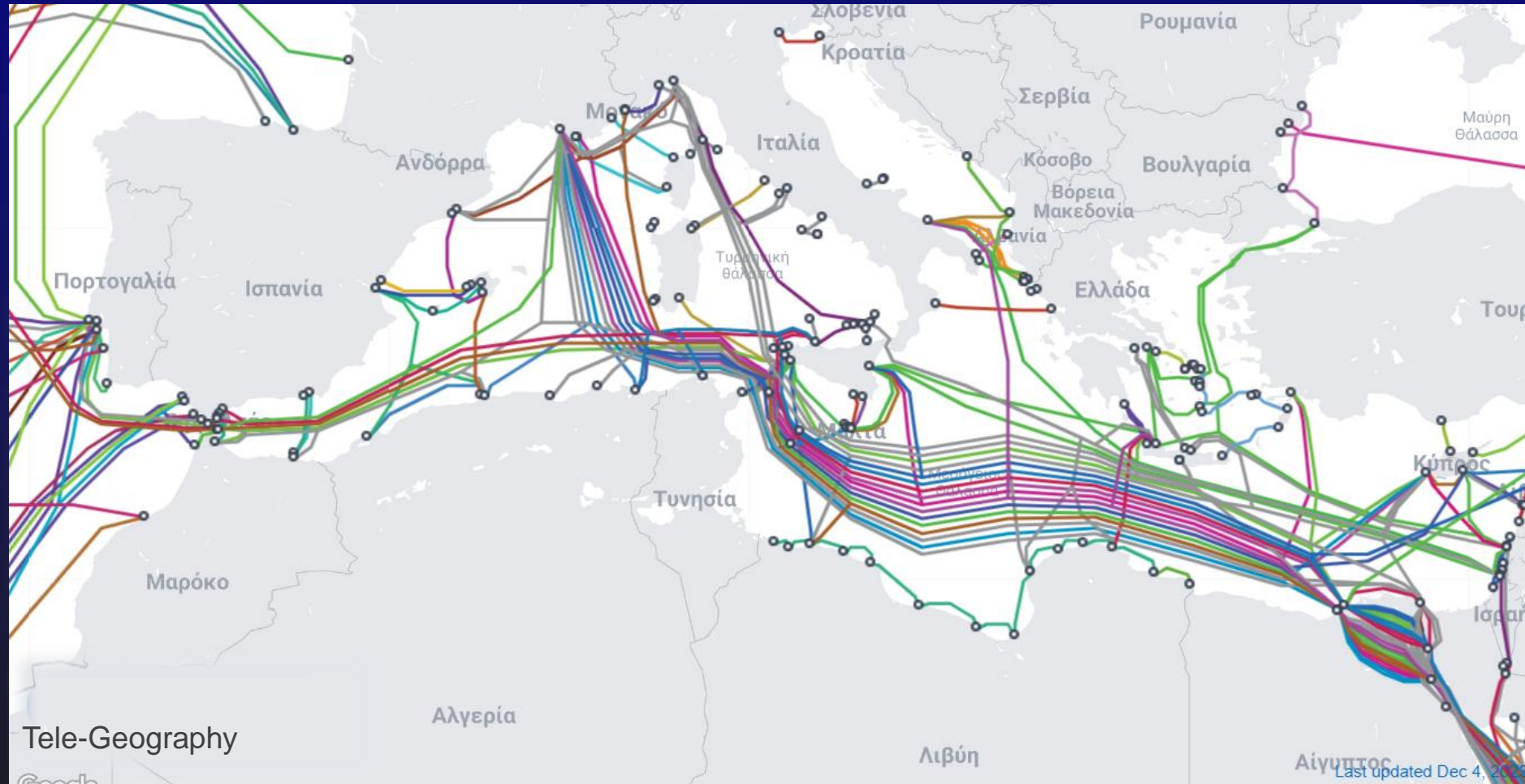
# Cable Systems – EMEA 2016-2028



# Int Submarine Optical Cables in Med Sea 2019

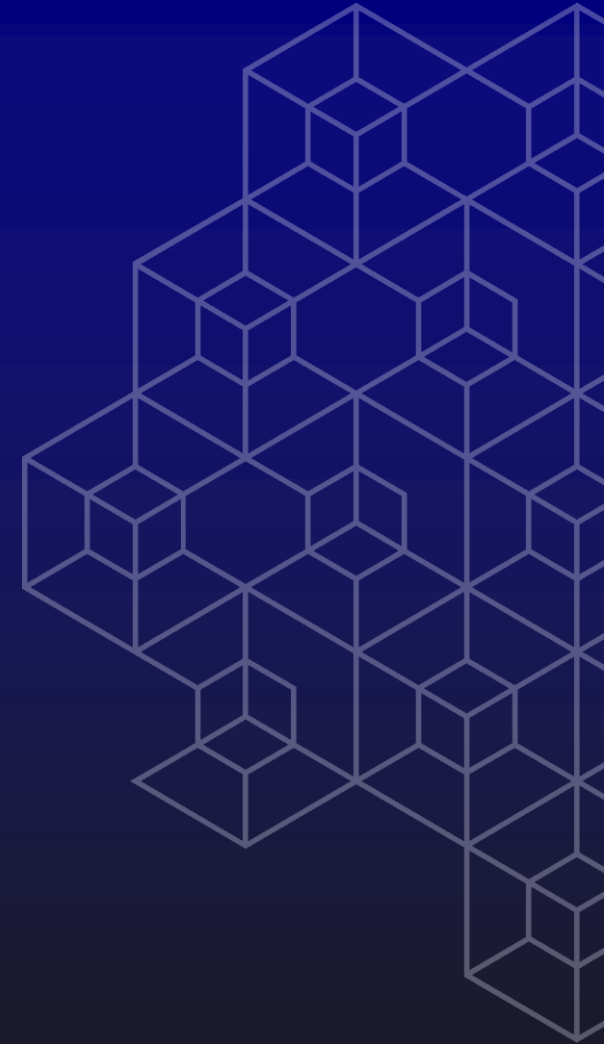


# Int Submarine Optical Cables in Med Sea 2023



# Planned EMEA Cable Systems 2023 - 2025

RFS	CABLE SYSTEM		DESIGN CAPACITY (TBPS)	LENGTH
2025	SEA-ME-WE 6	●		19,200
2025	Unitirreno		480	1,030
2024	2Africa/EMIC-1			30,000
2024	Blue/BlueMed	●	240	1,000
2024	Celtic Norse		160	2,100
2024	IEX	●	200	
2024	MEDUSA	●	480	8,760
2024	Olisipo		6144	110
2024	PISCES			2,971
2024	TEAS	●	300	19,000
2023	2Africa	●	180	32,767
2023	2Africa/Canary Islands Extension		180	
2023	Africa-1		192	10,000
2023	MedLoop			1,360
2023	NoR5KE VIKING			810
2023	NORFEST			700
2023	R100 Subsea Fibre		0.000125	224
2023	Saudi Vision Cable		288	1,160
<b>Total</b>			<b>8,844</b>	<b>131,192</b>



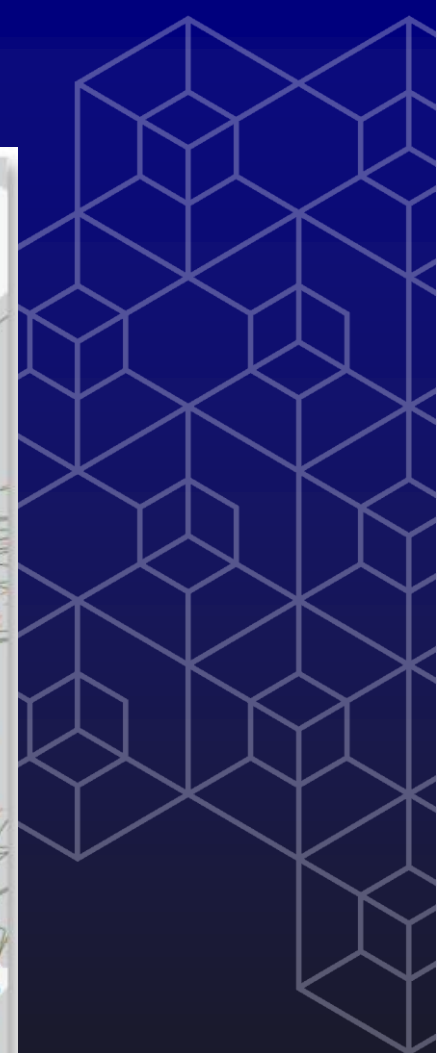
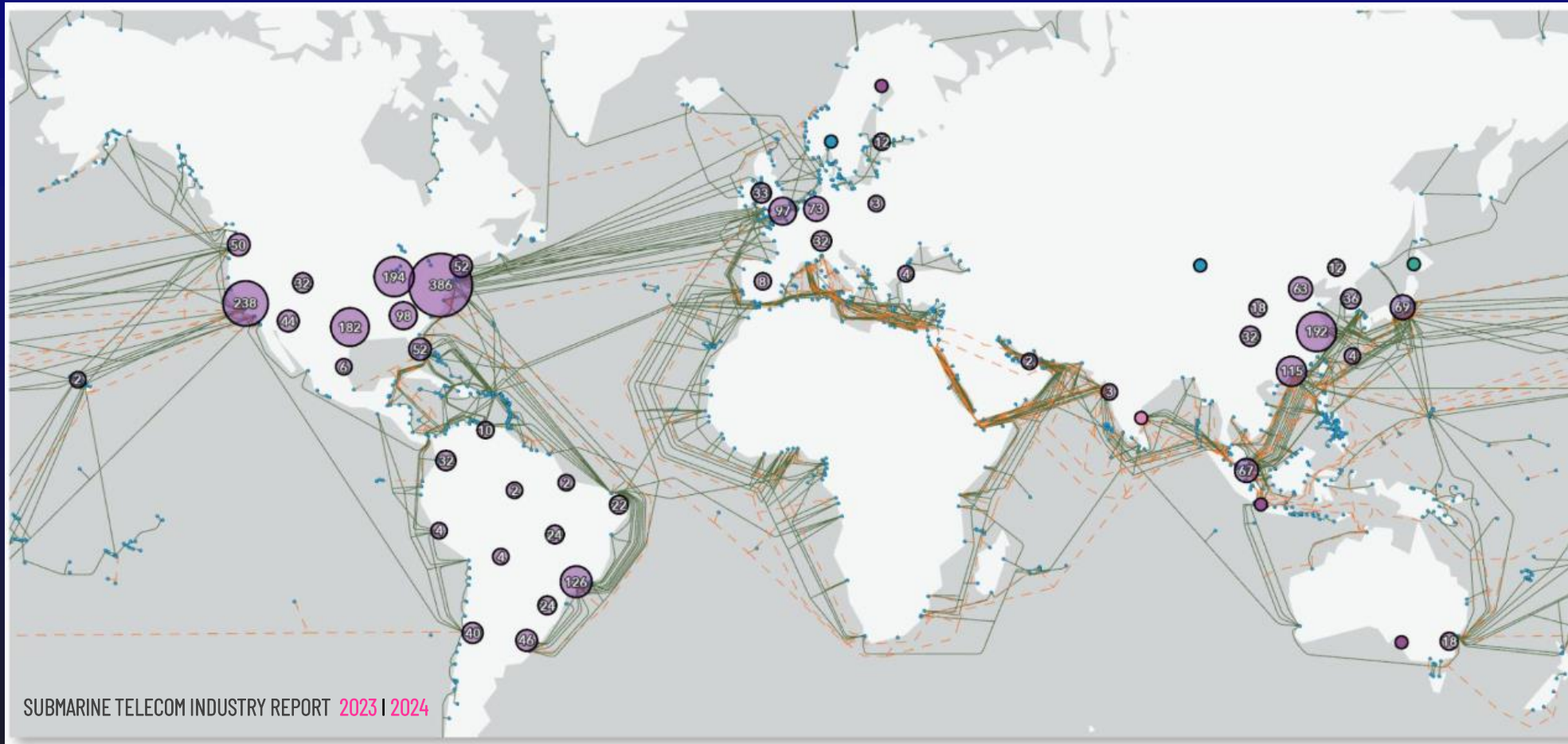
# Subsea Cables and Data Centers

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- A symbiotic relationship
- Strategic placement of Data Center near CLS
  - Latency minimization
  - Infrastructure simplicity
  - Accommodation of multiple cables
  - Interconnection opportunities



# Data Centers Clusters





## # Data Centers in Med Europe

	# Data Centers		
	2019	2023	change
France	249	264	6%
Italy	122	131	7%
Spain	117	125	7%
Turkey	33	33	0%
Bulgaria	23	24	4%
Portugal	16	17	6%
<b>Greece</b>	<b>12</b>	<b>15 (+9)</b>	<b>25%</b>
N. Macedonia	6	6	0%
Cyprus	4	5	25%
Malta	4	4	0%
Albania	1	1	0%

Cloudscene

Datacentermap

# Greece on track to become leading data hub

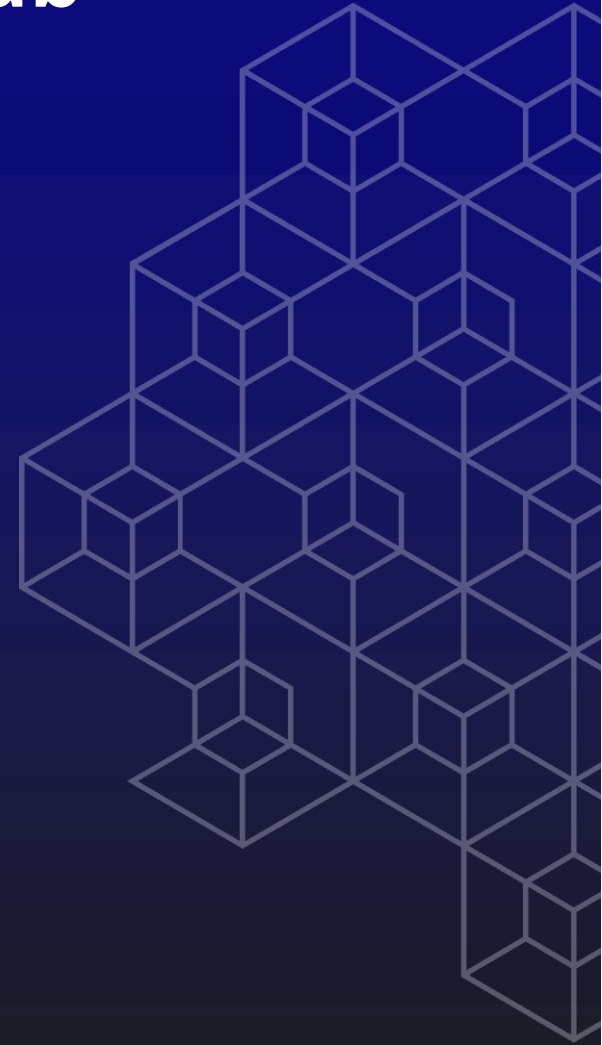
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Greece is poised to become the **second largest in the Mediterranean**, over the next five years, boosted by the addition of half a dozen new data centers and subsea cables that will transform the country into a digital gateway on the world's information superhighway.

Greece's data center market will grow at a cumulative average growth rate of almost **9% through 2028**, to more than **150 MW** of power capacity.

"The market is witnessing significant investments due to the increasing adoption of **cloud services**, the advent of **AI/ML** technologies, and **government support** for data center development,"

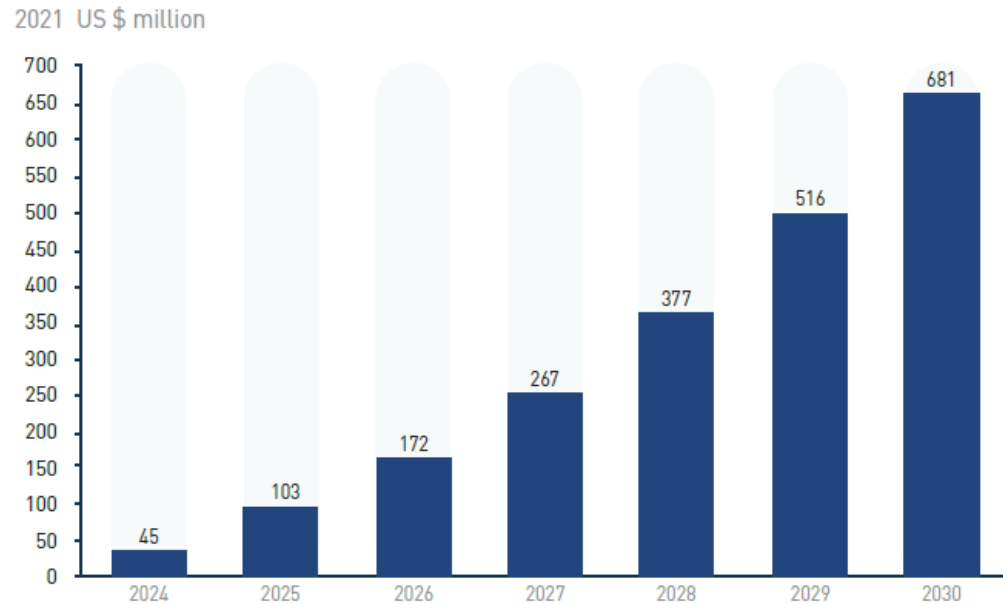
Greece's Council of State approved a new special zoning plan for major data center projects



# Contribution of Google Cloud Region in Greece

The Cloud Region will contribute close to US\$2.2 billion to Greece's GDP between 2024 and 2030

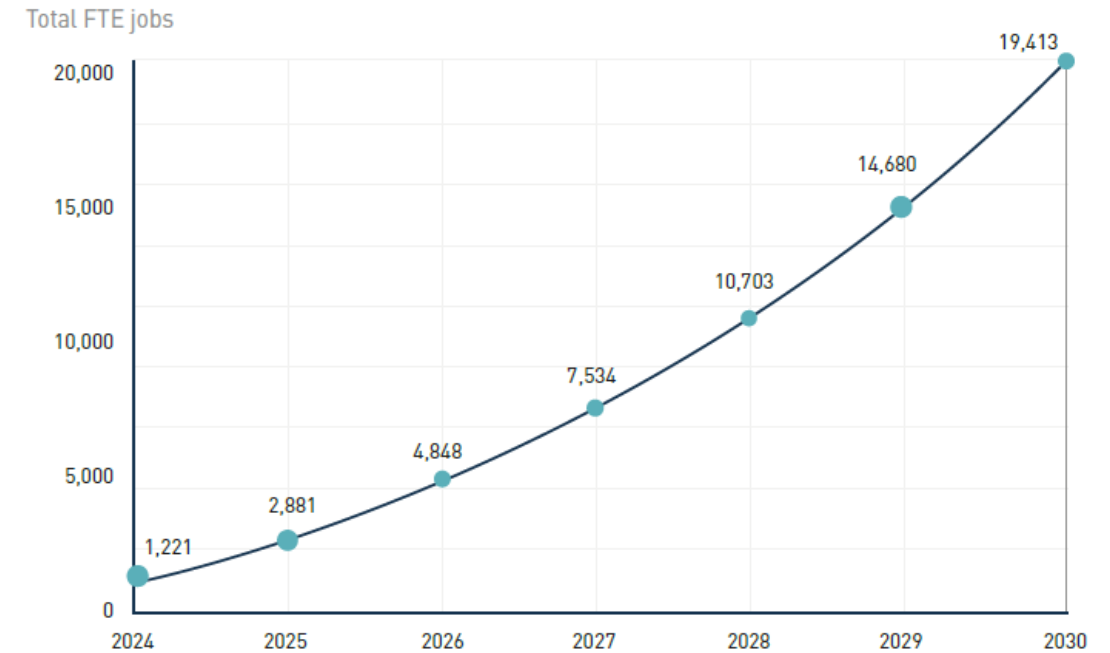
Potential annual productivity impact of adopting Google cloud technologies in Greece



SOURCE: O\*NET, OECD, National statistics offices, Alphabet analysis

The Cloud Region will support the creation of 19,400 jobs in 2030 alone

Potential annual jobs created from adopting Google cloud technologies in Greece



SOURCE: IMF, OECD, National statistics offices, Alphabet analysis

# Edge Data Centers

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## Lowering latency

- The performance of new technologies such as 5G, IoT, and AI depends heavily on low latency
- Cable providers are continuously making efforts to improve latency.
- Data centres located in close proximity to a company's premises are advantageous for any business that wants to be closer to its data – to boost its resilience or to improve customer experience.

# Data Centers 2025

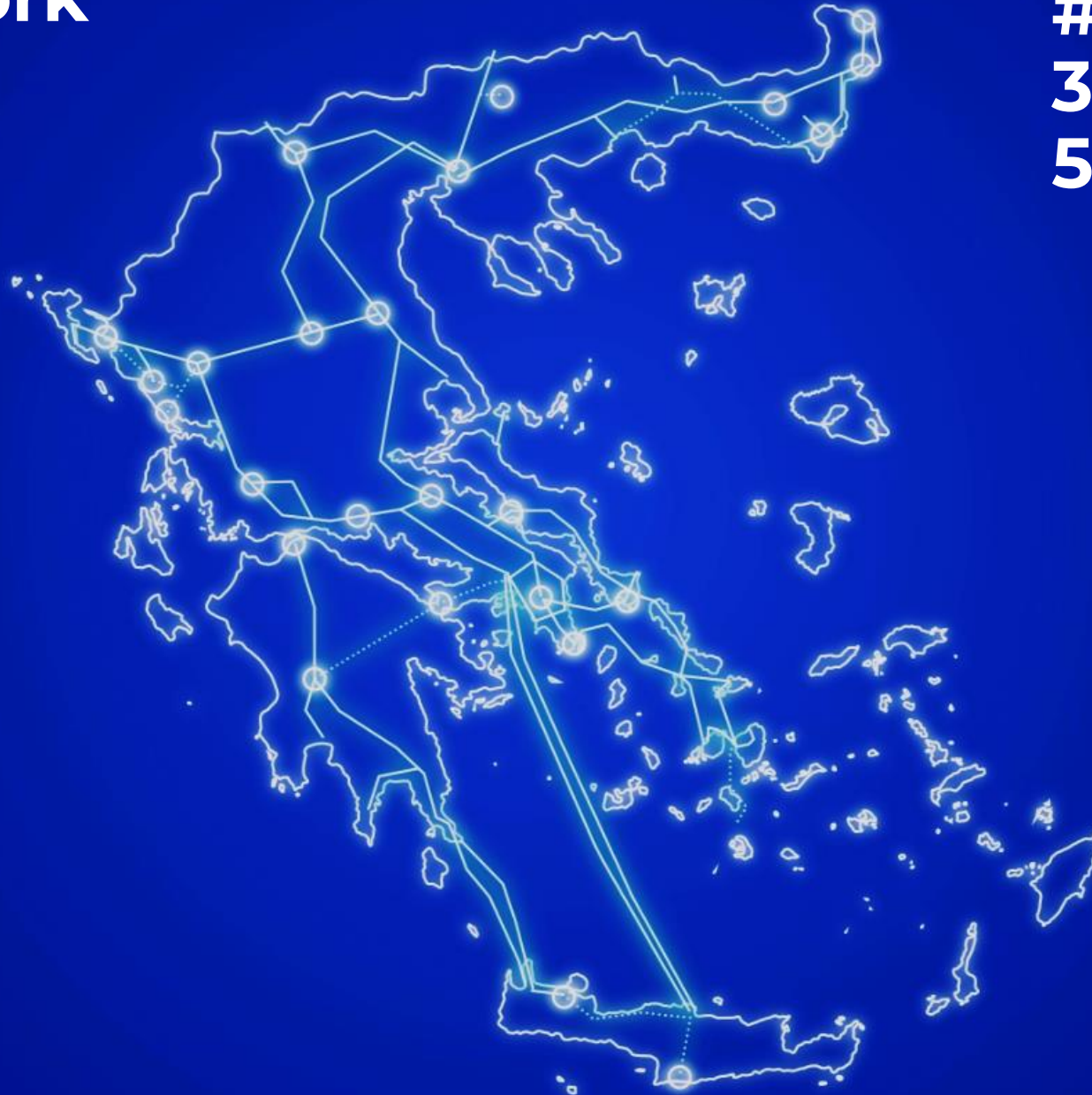


# Data Centers 2033

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# DWDM network

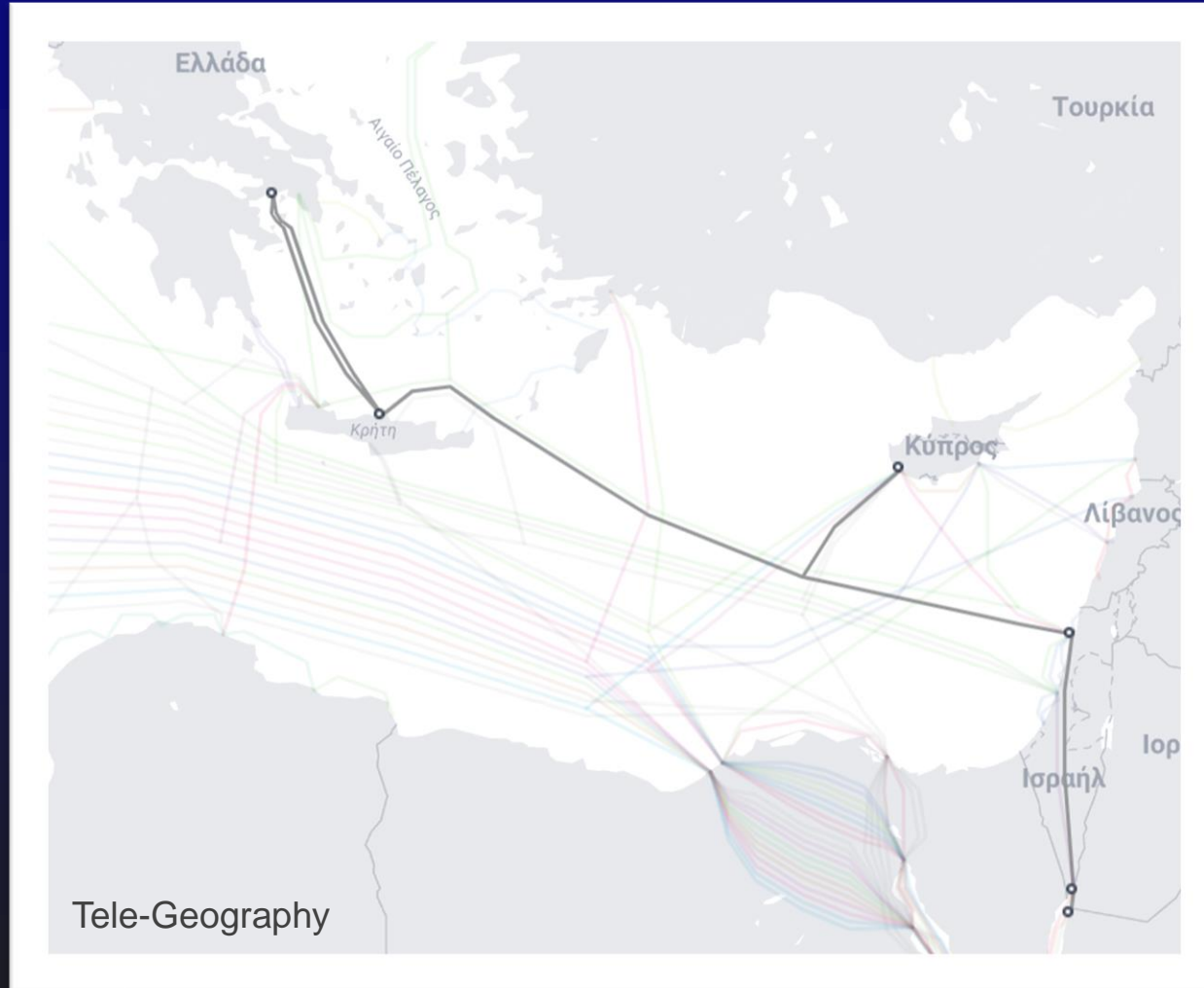


**# Nodes**  
**35 - 2023**  
**50 - 2024**



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# Andromeda interconnecting Crete-Cyprus-Israel



**GRID**  
TELECOM



# Int' Network expansion

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**GRID**  
TELECOM

A background image showing two hands shaking in a firm grip, symbolizing a partnership or agreement. The hands are positioned centrally, with the left hand wearing a brown suit sleeve and the right hand in a white sleeve. The background is a bright, out-of-focus indoor setting with greenery.

**EXA**



**GRID**  
TELECOM



**GRID**  
TELECOM

μία εταιρεία του Ομίλου ΑΔΜΗΕ



αδμηε