



FRANCE-IX
2021
ANNUAL REPORT



TABLE OF CONTENT

1 - OVERVIEW	4
1.1 REVIEW OF THE YEAR 2021 BY FRANCK SIMON, FRANCE-IX PRESIDENT	5
1.2 2021 KEY STATISTICS	7
1.3 FRANCE-IX TIMELINE	10
1.4 BOARD MEMBERS	14
1.5 GENERAL MEETING	15
2 - COMMUNITY DEVELOPMENT	16
2.1 NEW MEMBERS	17
2.2 MEMBERS WITH EFFECTIVE UPGRADE	18
2.3 FRANCE-IX LYON	20
2.4 FRANCE-IX MARSEILLE	21
2.5 FRANCE-IX PARIS	22
2.6 FRANCE-IX TOULOUSE	23
3 - FINANCIAL OVERVIEW	24

1.1

REVIEW OF THE YEAR 2021 BY FRANCK SIMON, FRANCE-IX PRESIDENT

The year 2021, although strongly marked by the COVID crisis, was an important year for France-IX in terms of developments. In January 2021, we completed the merger of RezoPole with France-IX, which was widely approved by both General Meetings of the two associations. In addition to give us a presence in the Rhône-Alpes region, this external growth has enabled us to expand our service portfolio by aggregating the skills and expertise of our teams.

This process also marks the beginning of a strategy of national expansion for France-IX, aiming to consolidate our footprint and to be closer to our consumers and members. Therefore, also in 2021, we developed a partnership with the ToulIX association in order to takeover the operational running of the Exchange point based in Toulouse. These regional deployments go along the implementation of high speed connections allowing a secured interconnection between cities, and enabling the new connected networks to access in a transparent way, an even larger ecosystem.



1. OVERVIEW

The resilience of our infrastructure is key to build quality services and ensure our clients an annual availability exceeding 99.995%. We pursued our major equipment investments started in 2020 in order to rebuild our core PoPs and prepare the launch of new offers, more specifically 400G ports (in addition to 10G and 100G ports).



IN 2021, THE SERVICES PROPOSED BY FRANCE-IX WERE DIVERSIFIED: PEERING OFFERS (LOCAL, REMOTE, PRIVATE), HOSTING SERVICES, CONNECTIVITY SOLUTIONS, MARKETPLACE.

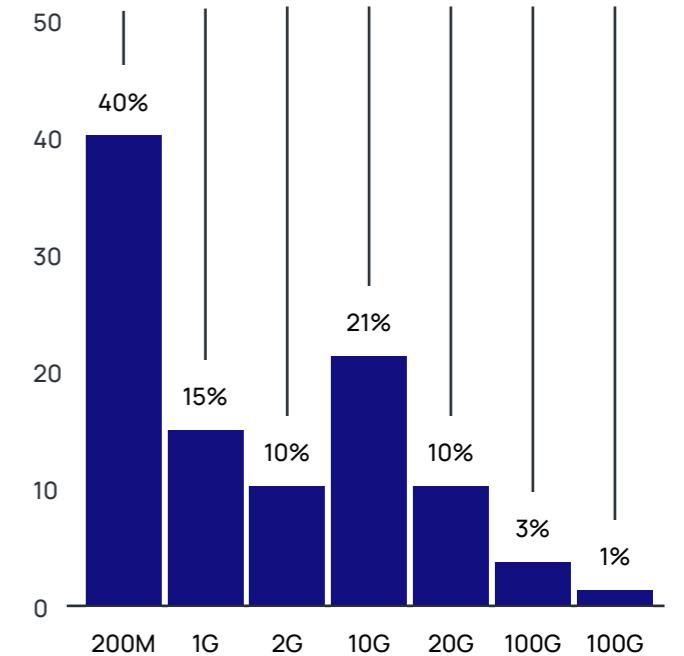
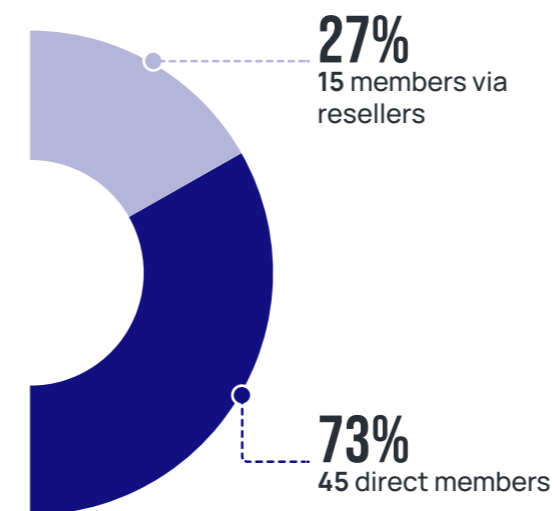
In this context, the evolution of our business-model was essential. This resulted in proposing ports with very attractive recurring costs and thus charging only on the basis of services that have been activated. This evolution places us now in a position to offer a genuine multiservice interconnection platform!



2021 KEY STATISTICS | 1.2

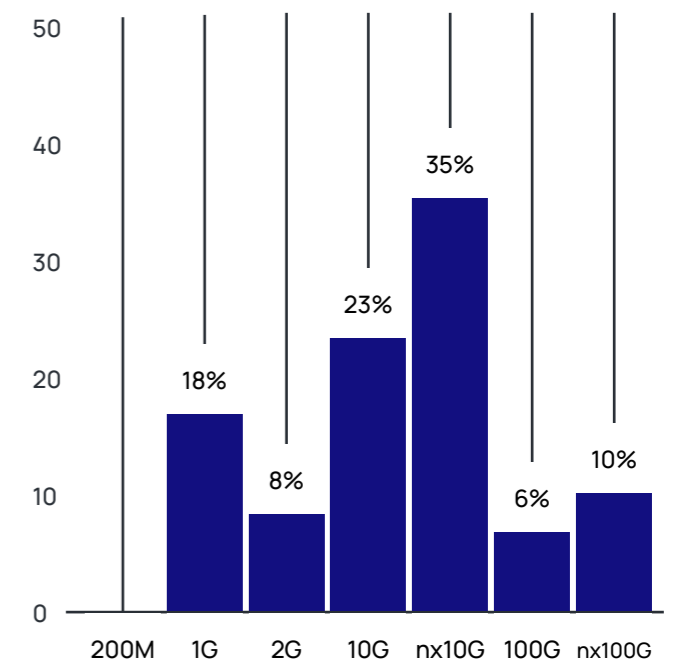
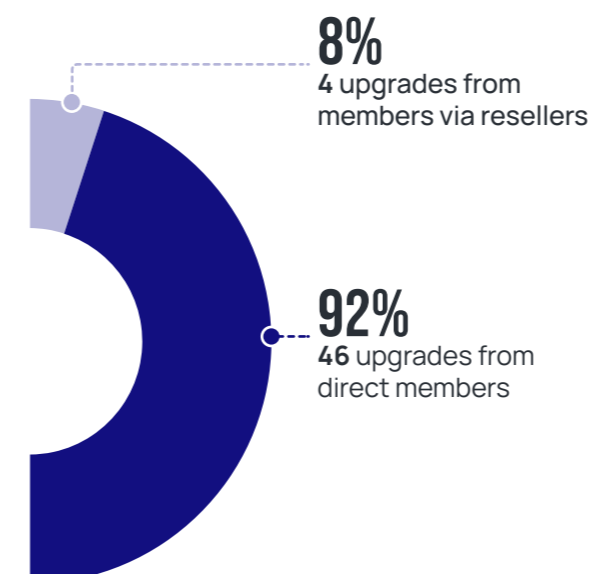
GLOBAL MEMBERSHIP ACQUISITION

60
TOTAL NEW CONNECTED MEMBERS

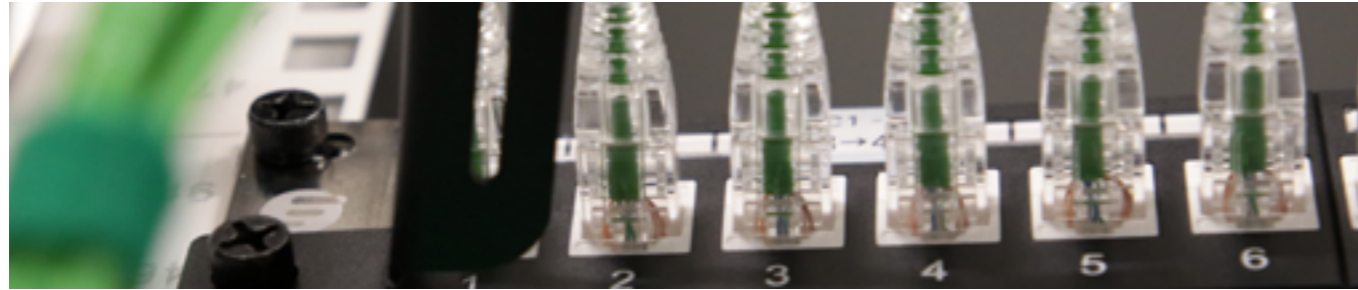


GLOBAL MEMBERSHIP UPGRADE

50
TOTAL UPGRADES FROM EXISTING MEMBERS



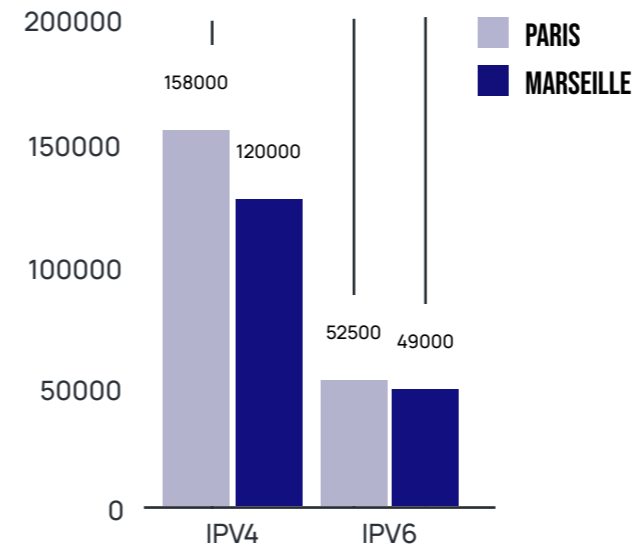
ANNUAL SERVICE AVAILABILITY



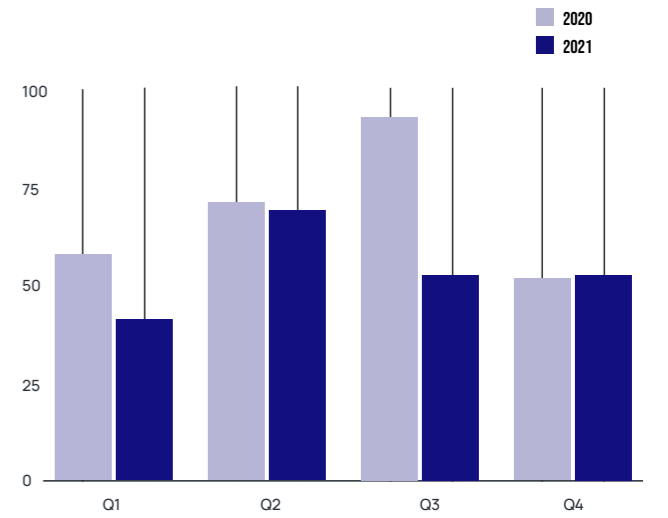
<p>LYON</p> <p>99.9999999%</p>	<p>MARSEILLE</p> <p>100%</p>
<p>PARIS</p> <p>99.9997526%</p>	<p>TOULOUSE</p> <p>100%</p>



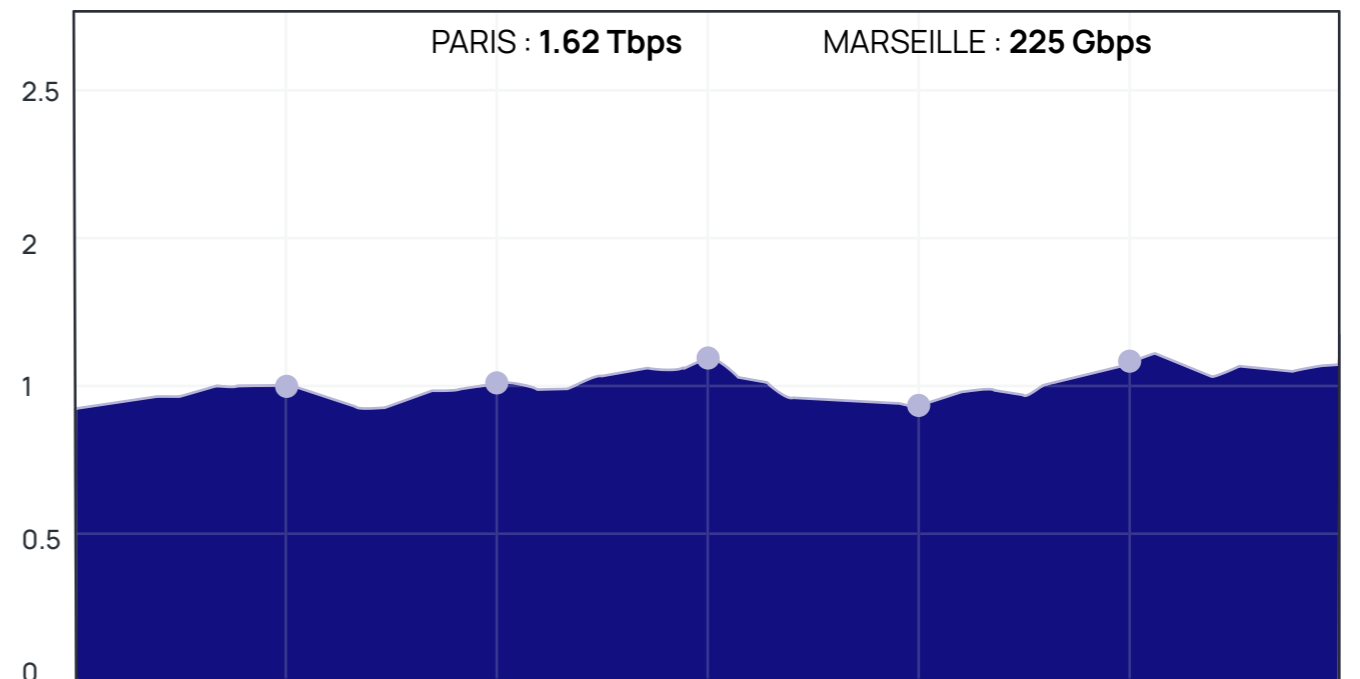
TOTAL NUMBER OF ROUTES ON RS



NUMBER OF TICKETS MANAGED BY THE NOC



PEAK TRAFFIC (TBPS) IN 2021



1.3

FRANCE-IX TIMELINE

- Named Growth Champion for the 3rd year in a row in Les Echos annual ranking (growth rate reaching almost 65% over the 2016-2019 period)
- Milestone of 100 ASN connected in France-IX Marseille
- Milestone of 100 100G ports connected by the France-IX team
- Brand new website for France-IX
- Opening of a private room at Telehouse 2 - Léon Frot
- Opening of France-IX Toulouse
- Launch of a 400G Ethernet access offer
- New offices in Paris

2021

- Dedicated ASN for Marseille (AS42064) to ensure a better distinction between the Marseille and Paris Internet exchanges
 - 1G ports no longer on sale
 - Marketplace active with 14 sellers
 - Peak traffic in Marseille reached 200 Gbps for the first time
 - 99.9968% service availability in Paris and
 - 99.9976% in Marseille
- Merger with Rezopole on 15 December 2020

2020

- 400th member milestone for Paris
- 25th active reseller worldwide
- 2 Tbps total peak traffic
- Launch of PASS Service between Paris and Marseille (Peering As a Supplementary Service)
- 100GE affordability for all with 3 competitive sub-100GE offers
- Upgrade of the complimentary entry-level offer from 100 Mbps to 200 Mbps for all members
- Named Growth Champion for the first time in Les Echos annual ranking of the 500 Growth Champions in France

2018

- 380th member milestone for Paris
- 50th member milestone for Marseille
- 22nd active reseller worldwide
- 1.5 Tbps peak traffic in Paris
- Route server filtering policy implemented
- 12th PoP opening (Interxion MRS2, Marseille)
- 99.9967% service availability in Paris and 99.9979% in Marseille
- 10GE port monthly cost to go below the €1k mark and launch of a first sub-100GE offer
- Marketplace active with eleven sellers
- Interconnection Paris-Marseille voted by the board of directors
- Paris office expansion to welcome new employees

2019

- 350th member milestone for Paris
- 40th member milestone for Marseille
- 19th active reseller worldwide
- 1 Tbps peak traffic in Paris
- 10x100G ports delivered
- Third infrastructure full upgrade allowing higher density of 100Gbps ports
- Route server filtering policy voted by the members
- 99.9977% service availability in Paris and 99.9998% in Marseille
- Marketplace active with nine sellers
- Winner of the Best Internet Exchange Innovation at the 2017 Global Carrier Awards

2016

- 20th member milestone in Marseille.
- 50 Gbps peak traffic in Marseille
- 30% of the shortest Internet paths reachable via France-IX (RIPE study)
- 100 GE port first provisioning in Paris
- Migration from copper to fiber connections
- New PoPs (Saint Denis; Telehouse 3, Magny-les-Hameaux; Jaguar Network, Marseille)
- New public weathermap and new advanced looking glass
- Deployment of out-of-band network and new security filters policy to improve resiliency
- Partner for the future launch of the Casablanca Internet Exchange (CASIX) and the Senegalese Internet Exchange (SENIX)

2017

- 300th member milestone for Paris and Marseille
- Tenth active reseller worldwide
- 600 Gbps peak traffic in Paris
- 100 Gbps peak traffic in Marseille
- Marketplace programme launch with five sellers
- New blackholing service
- 100 GE port first provisioning in Marseille
- Tenth employee milestone
- Paris office expansion to welcome new employees
- Strategic partnership with the London Internet Exchange (LINX)
- Ranking in the top five IXPs in Europe

2015

- 250th member milestone for Paris and Marseille
- 300 Gbps peak traffic in Paris
- Sixth active reseller in France and Europe
- One new PoP (Iliad DC3, Vitry)
- Second infrastructure full upgrade allowing higher density of 10 Gbps port and 100 Gbps deployment
- Ranking in the top 10 IXPs in Europe

2013

- 150th member milestone
- 160 Gbps peak traffic in Paris
- Reseller programme launch
- First infrastructure full upgrade
- Development of in-house information system
- Launch of customer web portal (tools.franceix.net)

2011

- Commercial and technical launch of France-IX in Paris
- Six founding members: Akamai, Jaguar Network, Neo Telecoms (now Zayo France), Interxion, Google and Bouygues Telecom
- Six PoPs operational from day one in Paris (Interxion 1, 2, 5, Telehouse 1, 2, Telecity Courbevoie)
- Two full-time employees

2014

- 200th member milestone for Paris and Marseille
- 200 Gbps peak traffic in Paris
- Fifth active reseller in France and Europe
- Launch of France-IX Marseille with the first PoP in Interxion MRS1, Marseille
- Partner of the AXIS project with the Internet Society (ISOC) to run regional IXP training sessions in Guinea and Comores

2012

- 100th member milestone
- Two new PoPs (Telecity Condorcet and Iliad DC2)
- Free 100 Mbps interconnection for any LU-CIX, LYON-IX and SFINX members
- Fifth employee milestone

2010

BOARD MEMBERS | 1.4



CLAIRE
AUDIN

2021-2024



PHILIPPE
DUBY

2020-2023



SARAH
NATAF

2020-2023



RICHARD
NGUYEN

2021-2024



MARK
TINKA

2019-2022



GREGOIRE
VILLAIN

PRÉSIDENT
2020-2024

GENERAL MEETING | 1.5

As a non-profit association, France-IX needs to gather up its members once a year so that they can close its accounts and renew its board committee. Due to the health situation, the 2021 edition of the General Meeting was held on a video-conference format in January 2022. Almost 80 participants remotely joined the event and listened to updates and highlights on France-IX's developments and strategy.



VOTE RESULTS AND BOARD MEMBERS CHANGES

The number of voters at the 2021 AGM reached 159 participants out of 498 electors, representing 32% of our members and thus exceeding the requested quorum of 25%. At the end of the vote, the 2020-2021 accounts were approved (134 yes, 1 no, 24 abstentions) as well as the change in the closing date of the financial year (now running from January to December of each year instead of July to June).

Two members of the Board Committee were also elected:



CLAIRE
AUDIN



RICHARD
NGUYEN

THANK YOU!

The General Meeting also gave France-IX an opportunity to thank outgoing board members Stéphane Bortzmeyer, Florence Lavroff and Rebecca Stanic for their involvement and contribution. A very special thank you goes to Christian Kaufmann for his great support and dedication as a president over the past years.



STÉPHANE BORTZMEYER



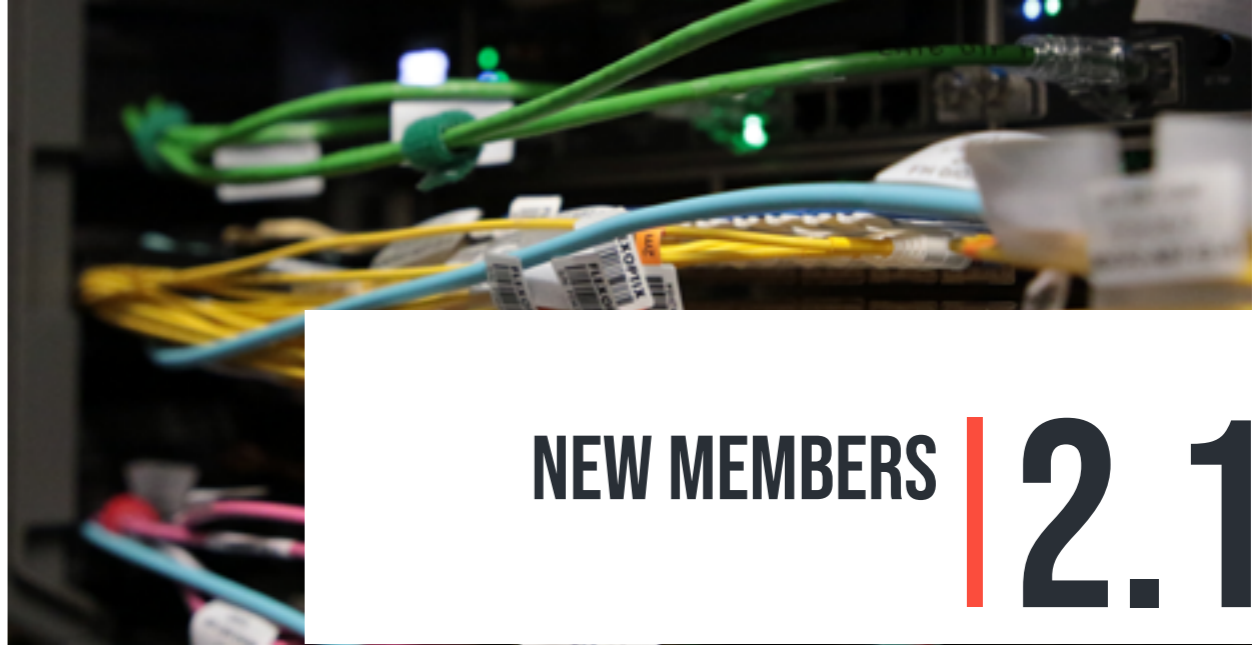
CHRISTIAN KAUFMANN



FLORENCE LAVROFF



REBECCA STANIC



NEW MEMBERS | 2.1

2. COMMUNITY DEVELOPMENT

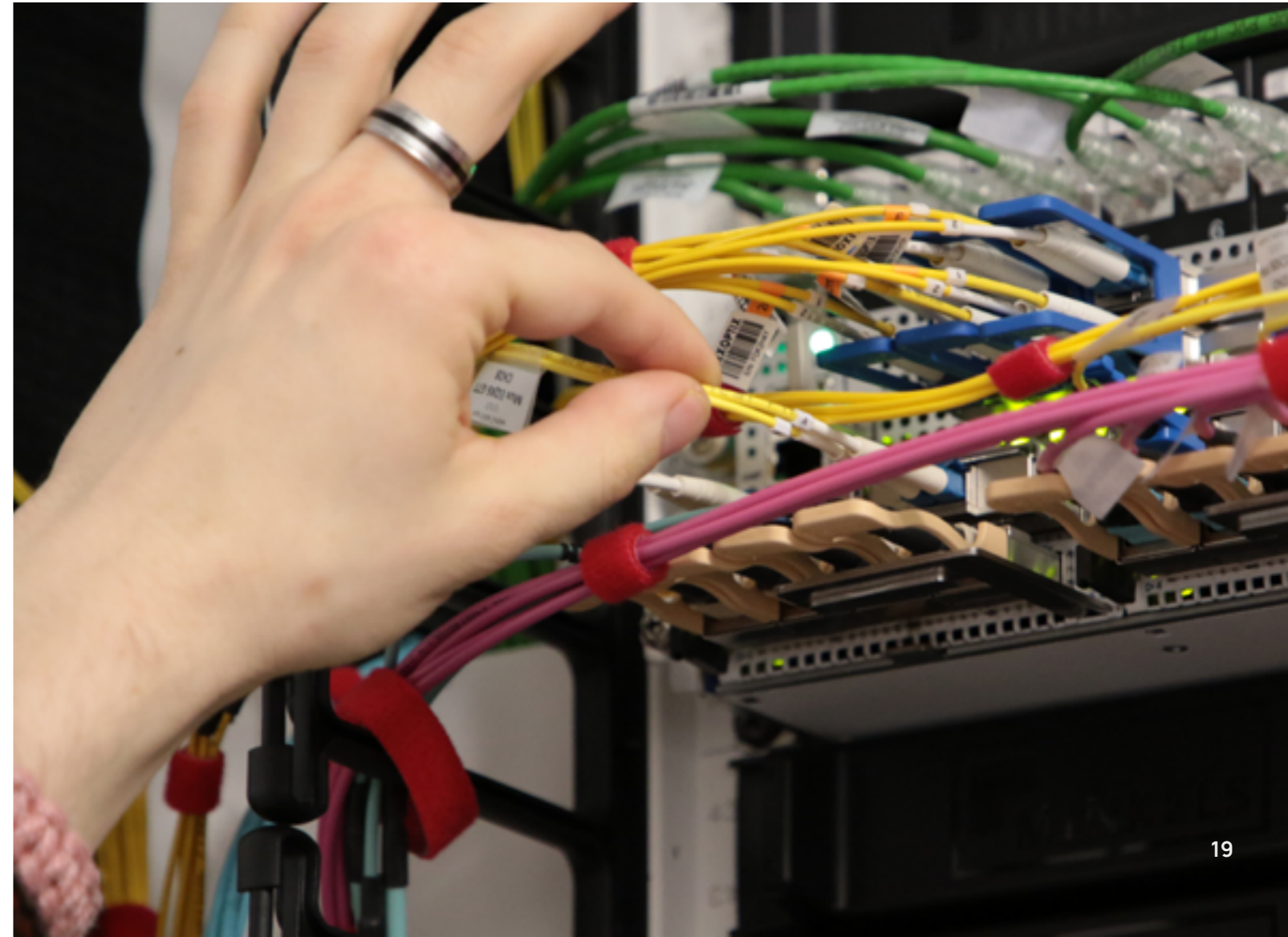
MEMBERS	CITY	MEMBER	CITY
ABICOM*	PARIS+MARSEILLE	HUAWEI TECHNOLOGIES CO.LTD	PARIS
ADISTA	MARSEILLE	INA	PARIS
AFRIBONE	PARIS	IPEXIA	PARIS
ANYCAST HOLDINGS PTY LTD	PARIS	IPNG*	PARIS+MARSEILLE
AQUILENET	TOULOUSE	ISILINE	MARSEILLE
BELIEVE	PARIS	IT-METRIX	LYON
BLUE SOFT GROUP	PARIS	LANETCIE	PARIS
BYTEPARK	PARIS	M6 DISTRIBUTION DIGITAL	PARIS
CL HOSTING*	PARIS	MIDRANGE	PARIS
COOL IDEAS SERVICE PROVIDER	PARIS	NETSKOPE, INC.	MARSEILLE
CYRES SAS	PARIS	NETSYST*	PARIS
DATAWIRE	MARSEILLE	NETWERKVERENIGING COLOCLUE	PARIS
DATAXION	PARIS	NEXYLAN	PARIS
DORIAN GALIANA	PARIS	NUMBERLY / 1000Mercis	PARIS
DYJIX	PARIS	ONECOM GLOBAL COM LTD.	PARIS
G-CORE LABS	MARSEILLE	OXEVA	PARIS
GARGUNET*	PARIS+MARSEILLE	PC A LACARTE	PARIS
HONGKONG SEAGA TECHNOLOGY LIMITED*	MARSEILLE		

MEMBERS	CITY	MEMBERS	CITY	MEMBERS	CITY	MEMBERS	CITY
PRIZZ TELECOM	PARIS	TETANEUTRAL	TOULOUSE	NEXYLAN	PARIS	SIFY TECHNOLOGIES LTD.	PARIS
RAYHAAN NETWORKS	PARIS	TIGGEE LLC	PARIS	OMANTEL*	PARIS	TAS FRANCE	PARIS
SAPINET*	PARIS+MARSEILLE	VIAREZO*	PARIS+MARSEILLE	OOREDOO TUNISIE SA	PARIS	TWITCH INTERACTIVE	PARIS
SHPV	TOULOUSE	VISIATIV MANAGED SERVICES	LYON	OPENIP	PARIS	VIAREZO	PARIS
SIPARTECH	PARIS+MARSEILLE	VIVIERS FIBRE	TOULOUSE	OXEVA	PARIS	VIETTEL (BICS)	PARIS
SOCIÉTÉ GÉNÉRALE	PARIS	VNPT	PARIS	RETN	PARIS	VTS	PARIS
SYIT	LYON	WIFIRST	PARIS	SAUDI TELECOM COMPANY STC	PARIS	ZENLAYER	MARSEILLE
TELEHOUSE AD	PARIS	WIKIMÉDIA	MARSEILLE	SCALEWAY	PARIS	ZSCALER	MARSEILLE
TENCENT*	PARIS+MARSEILLE	ZSCALER INC	MARSEILLE	SEWAN COMMUNICATIONS SAS	PARIS		

*Remote peering.

MEMBERS WITH EFFECTIVE UPGRADE | 2.2

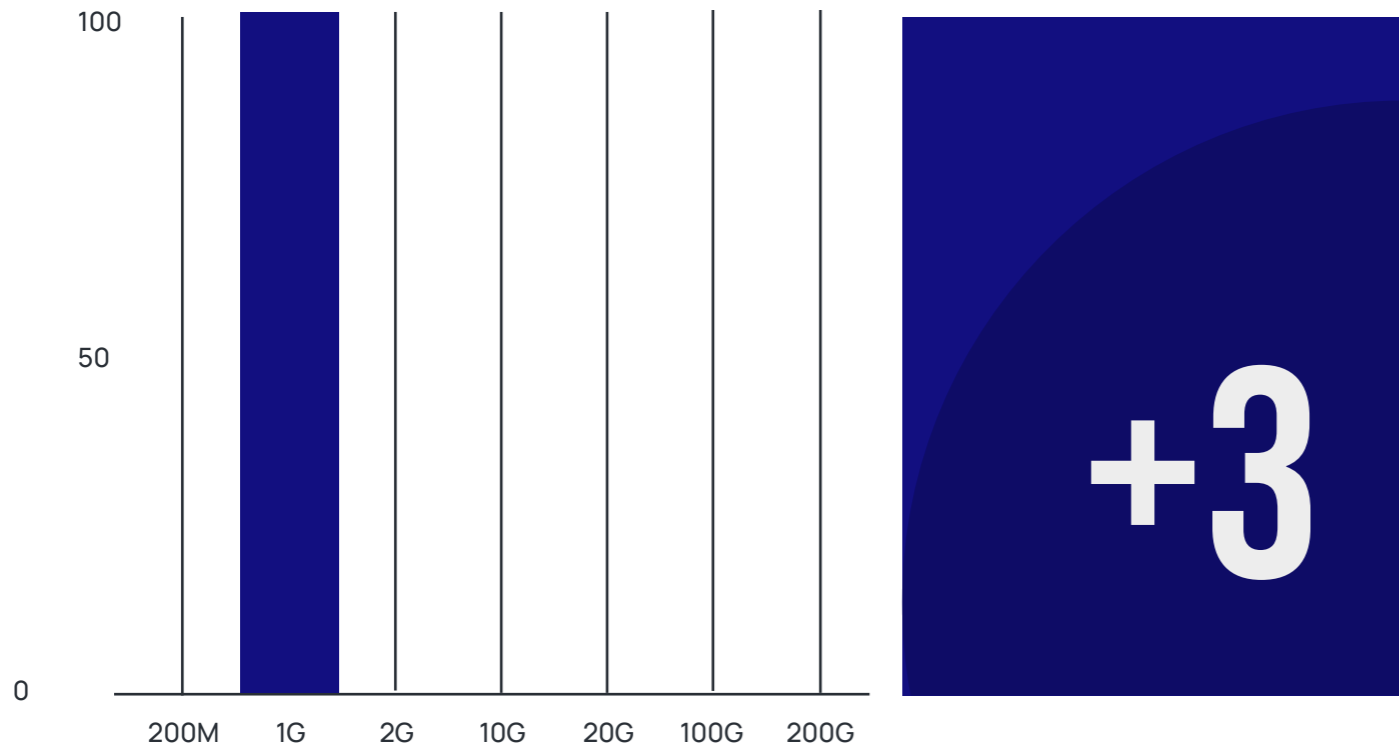
MEMBERS	CITY	MEMBER	CITY
AFRIBONE	PARIS	FULLSAVE	PARIS
AKAMAI	PARIS	HARMONY HOSTING	PARIS
ALPHALINK	PARIS	HEXAGLOBE	PARIS
AMAZON	PARIS	I3D.NET, A UBISOFT COMPANY	PARIS
CACHENETWORKS, LLC	PARIS	IBROWSE SARL	PARIS
CANAL + TÉLÉCOM	PARIS	IGUANE SOLUTIONS	PARIS
CELESTE	PARIS	IKOULA	PARIS
CPRO NETWORKS	PARIS	INGENICO	PARIS
CYRES SAS	PARIS	IP-MAX	PARIS
ETG INTEGRATED SERVICES	PARIS	IX REACH	PARIS
FIGARO CLASSIFIEDS	PARIS	KEYYO	PARIS
FLEX NETWORK	PARIS	LEVELSYS	PARIS



FRANCE-IX LYON | 2.3



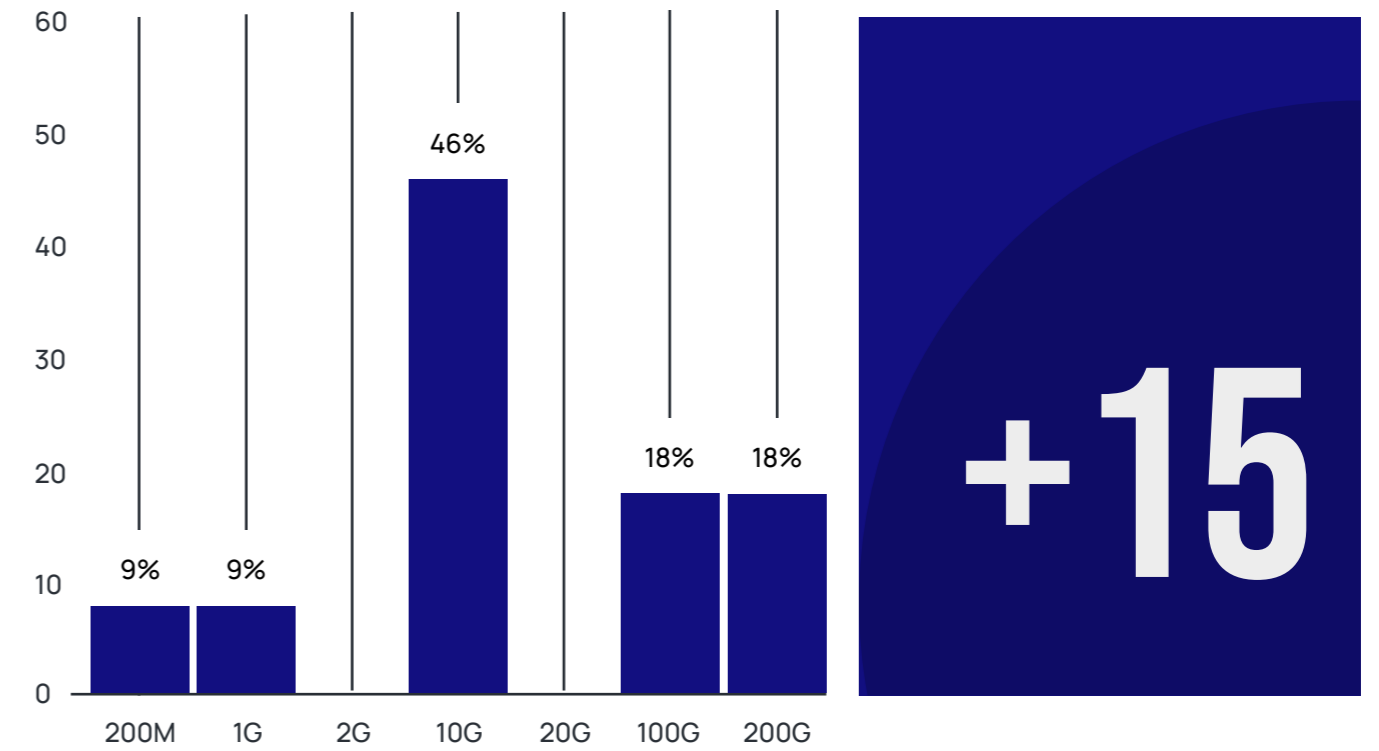
MEMBERSHIP ACQUISITION



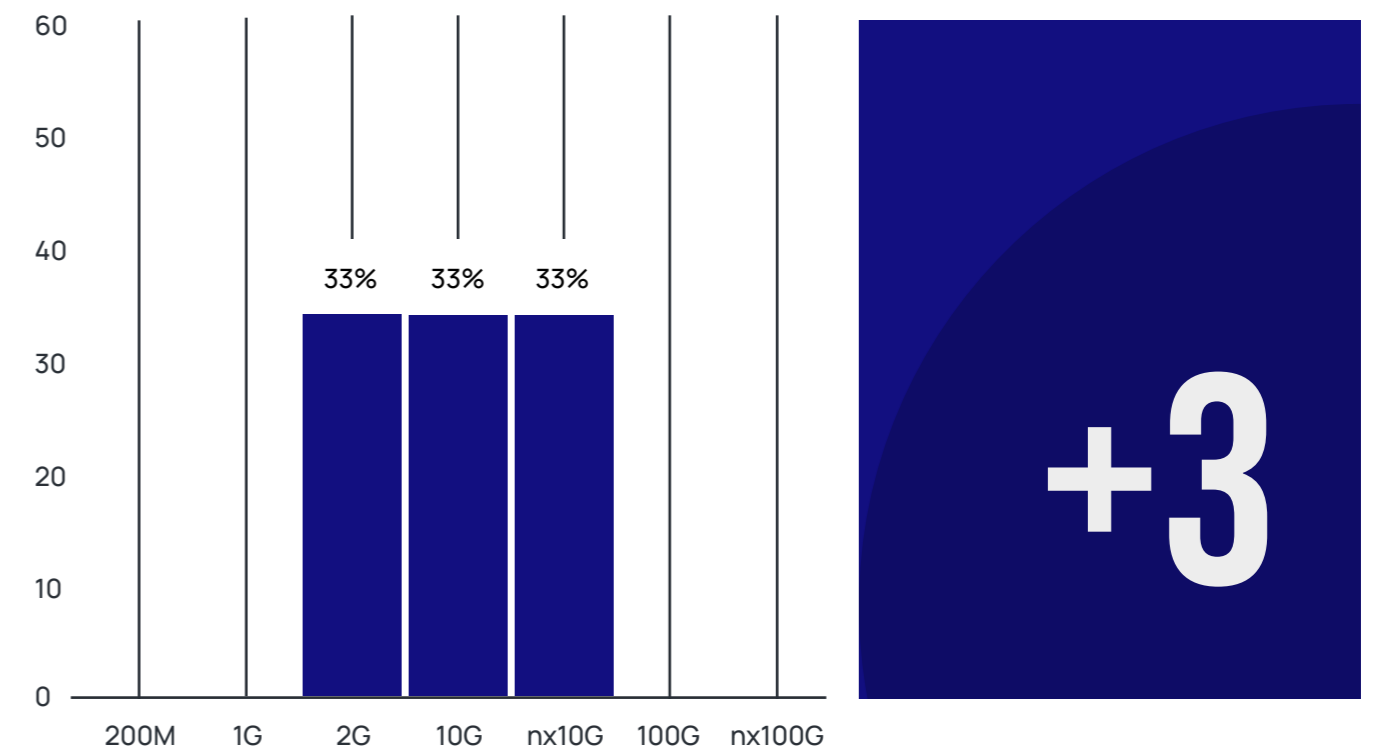
FRANCE-IX MARSEILLE | 2.4



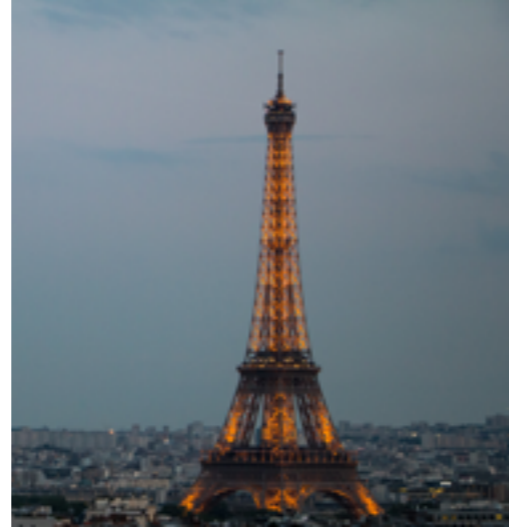
MEMBERSHIP ACQUISITION



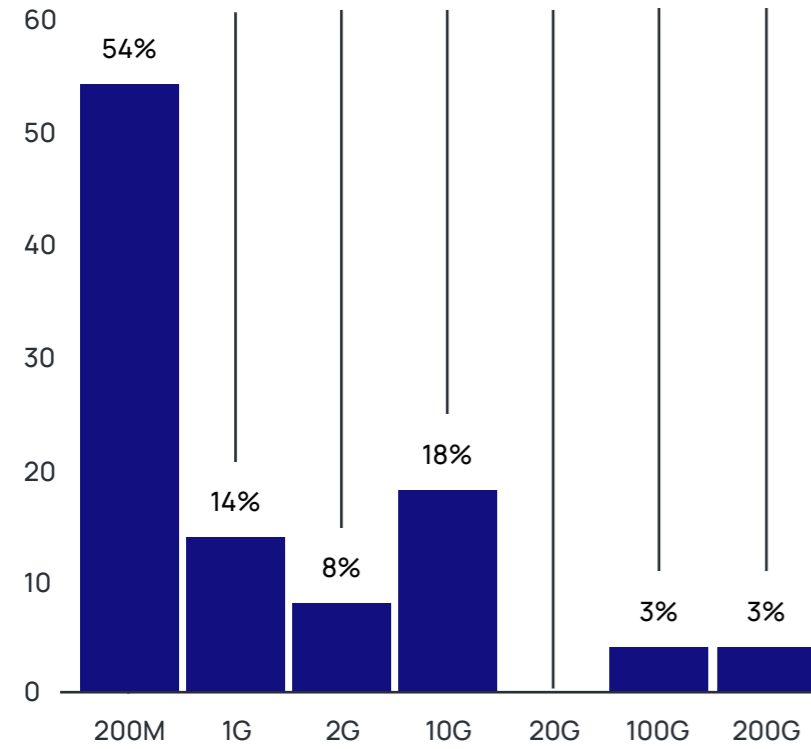
MEMBERSHIP UPGRADE



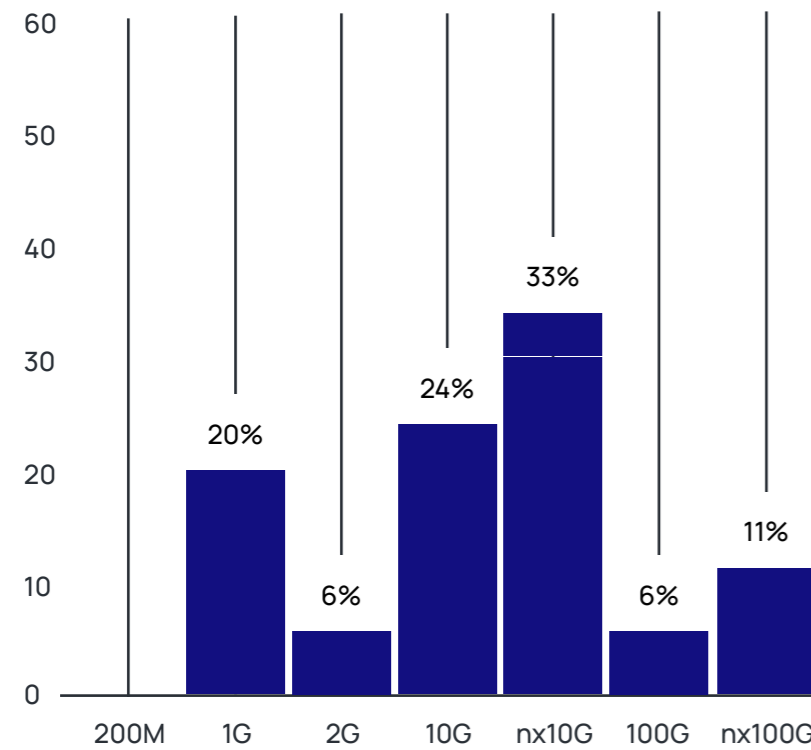
FRANCE-IX PARIS | 2.5



MEMBERSHIP ACQUISITION



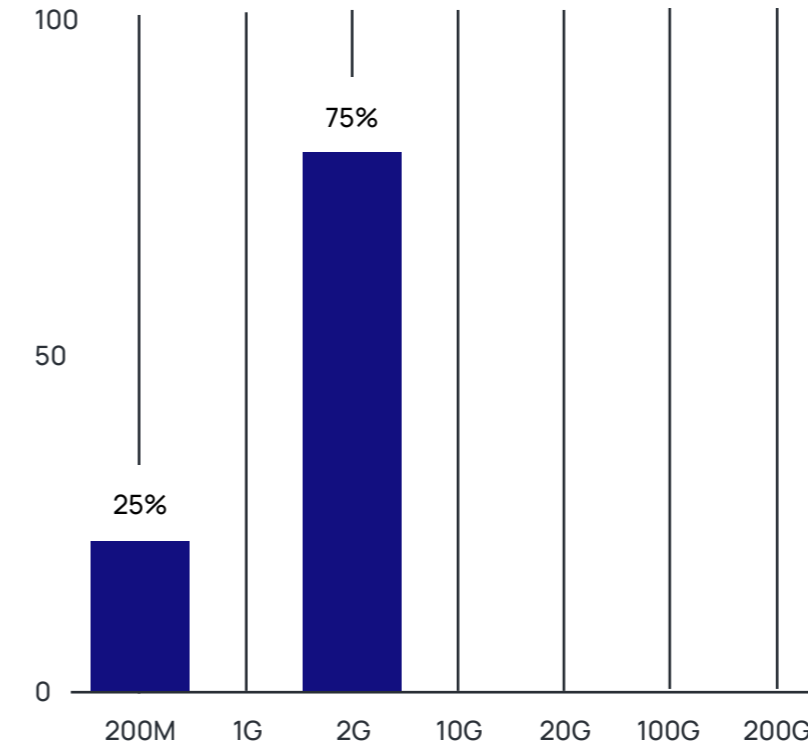
MEMBERSHIP UPGRADE



FRANCE-IX TOULOUSE | 2.6



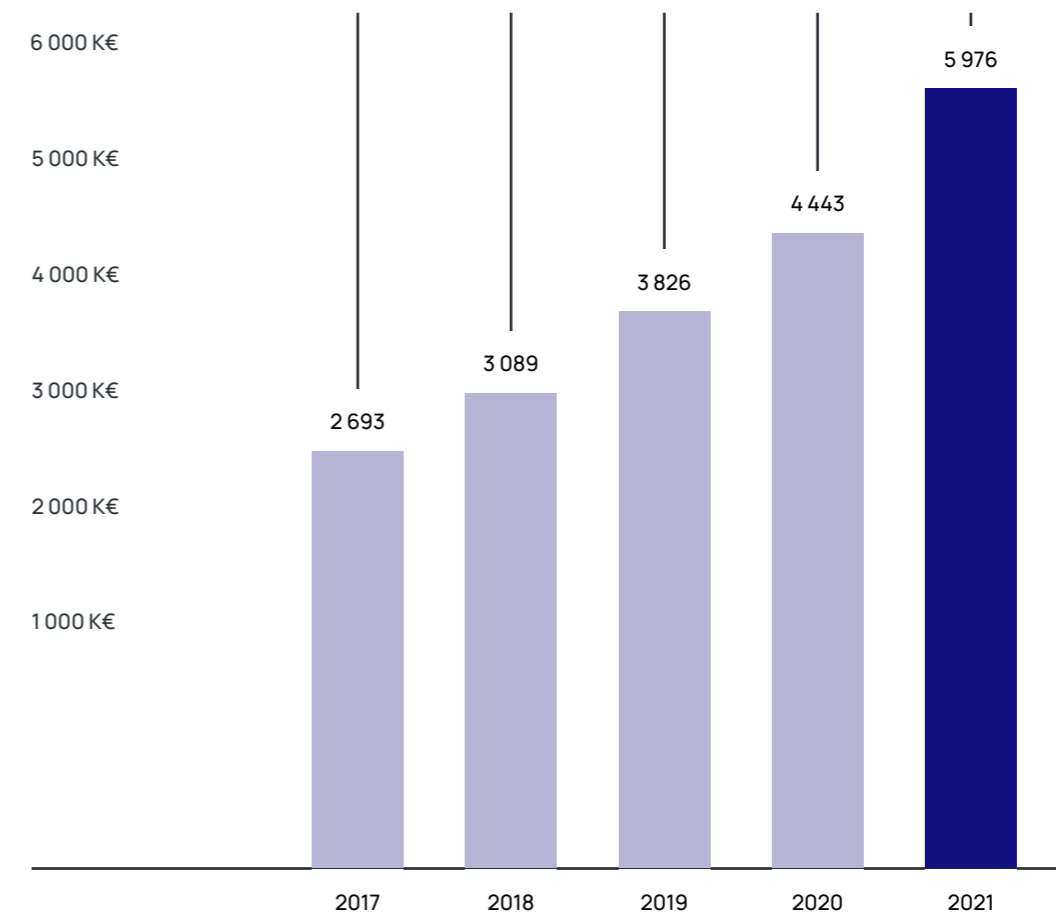
MEMBERSHIP ACQUISITION



3. FINANCIAL OVERVIEW



France IX Services closure of accounts is effective every 30th of June. The accounts are presented to the France-IX community every year during the annual meeting where members of the France IX association are given the opportunity to place a vote of validation. The numbers shown in this report relate to the time of 1st of July 2020 to 30th of June 2021. As voted during the 2021 annual General Meeting, the financial year will be running from January to December from 2022. The 2022 fiscal year will thus cover the period starting from 1st of July 2021 to 31 December 2022.



Revenues for France-IX continued to grow in 2021, showing a significant growth of 35% compared to 2020, closing at €5976K (while the rate was approximately 15% in the previous years). The total invoicing for the year reached €7475K.

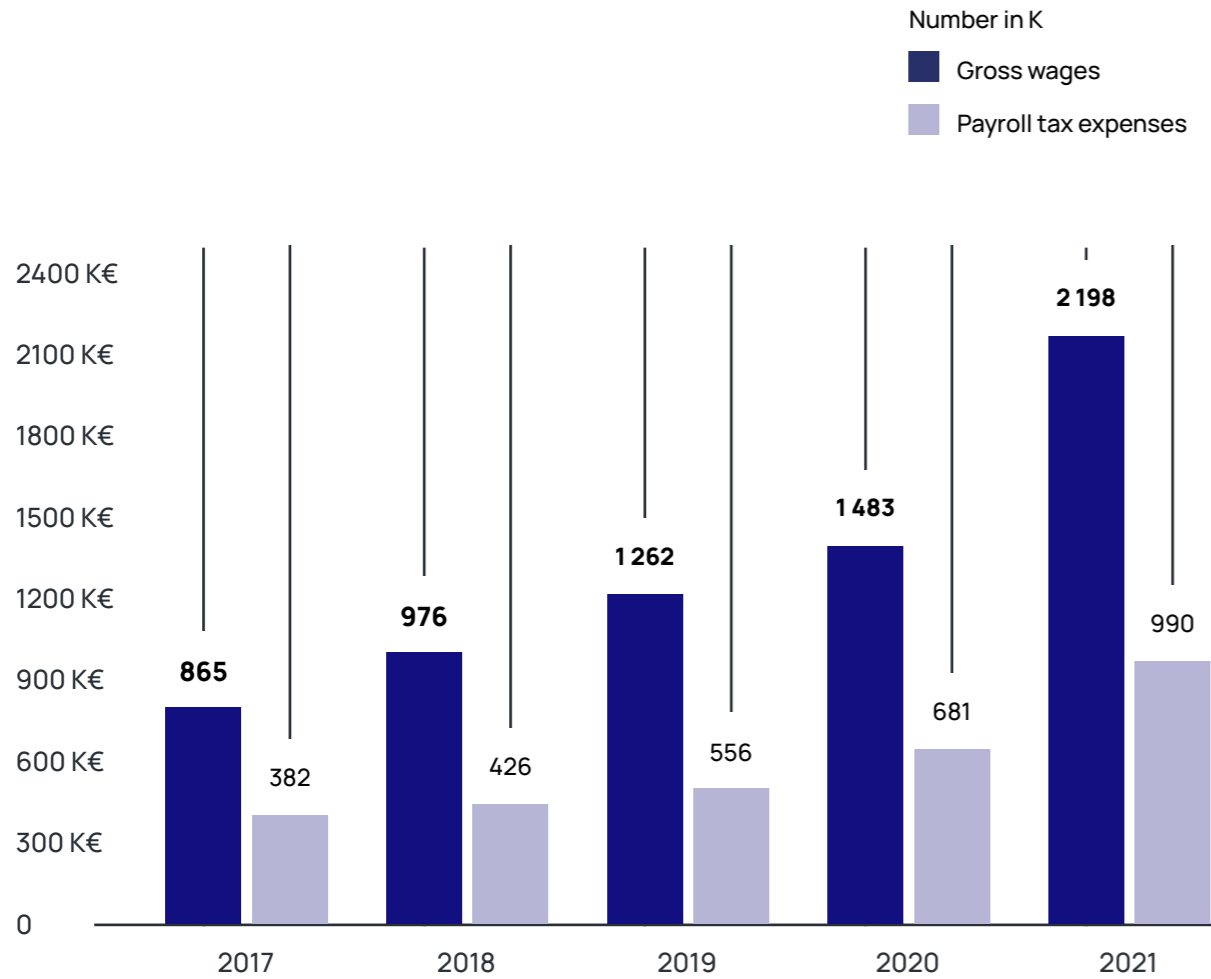
OPERATING EXPENSES ■

The operating costs represent €5977K vs €4432K for the previous accounting period, compensated by operating revenues of €6101K. Among the most important operating expenses we can quote:

- The increase of staff (cf. manpower costs), thanks to the merger with Rezopole.
- The acquisition of new equipment, especially to upgrade the Parisian metropolitan backbone. Equipment acquisition was mainly achieved this year by using our equity instead of going through a leasing process or bank loans.
- Migration to new premises in Paris.

MANPOWER COSTS ■

The staff expenses represent a total of 3188K€ (charges/taxes included) while the payroll tax expenses represent 45% of paid gross wages. Total salary costs grew by 47%, meanwhile the number of employees has increased by 52% (merger with Rezopole–9 people in addition to a few hirings). In 2021, France IX Services reached a total of 32 employees.



CASH FLOW & NET RESULT ■

On the 30th of June 2021, the cash level stands at €1683K vs €995K for the previous accounting period, showing an increase of 69%. This reflects the positive effect of cash flow collection improvement, which requires significant efforts and time (dedicated person internally) and of the merger with Rezopole.

The net result for the accounting period of 1st of July 2020 to 30th of June 2021 is €138K. For 2022, we are aiming to reach a growth of 15% of the revenues.



TOGETHER, YOUR INTERNET, EVEN BETTER

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