EURONEXT DATA CENTRE

COLOCATION
PRICE LIST

Effective date : 28th July 2022

Version 3.2

EURONEXT

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- This price list is designed to provide clients with a detailed overview of the Charges for the Euronext Colocation Services.

- If you have any questions concerning the content of this price list or would like further information on Euronext's Colocation Services, please contact the Operational Client Services Desk via dcmigration@euronext.com.

1. COLOCATION PRICING: GENERAL PRINCIPLES

- The Colocation Services pricing model applies to all Colocation Services provided at the Aruba Data Centre.
- Colocation Services are fully operated by Euronext. Order forms and contracts governing the provision of these new services must be signed with Euronext.
- Euronext Colocation Services are available to Members and Non-Members.
- Different prices are applied to Members and Non-Members and are indicated in EUR.
- Application Services fees relate to prices for multicast services in colocation.
- Application Services fees are charged per service and per FTEx.
- Participant Access fees are charged per service on a per End User basis. A client of a Service Provider is considered as an End User when he receives raw Euronext Data.
- Colocation Services are invoiced by Euronext directly to Members and Non-Members. Billing will be automatic, regardless of whether the Colocation Services have been used by the Client or not. Full payment is due for every calendar month.
- Euronext may at its sole discretion allow its clients to subscribe on a non-discriminatory basis to temporary validation tests or comparable undertakings regarding new or ancillary Colocation Services, which may give rise to different Charges as set forth herein.
- Detailed Colocation pricing is described in this Price List.

2. EURONEXT COLOCATION PRICE LIST

A. Hosting Colocation Services

The following guide provides an overview of the pricing for Euronext Colocation Services.

Euronext offers a range of Colocation Services[1] to Euronext Members and Non-Members. Specific conditions and pricing may be applied. Please refer to the Colocation Agreement Order Form.

Members/Non-Members:

- A "**Member**" is any entity that is classed as a member, as defined in the General Terms and Conditions (GTCs)
    - Note that an entity that trades via a broker or a clearing firm will be considered as a "**Member**" for pricing purposes only.
- A "**Non-Member**" is any entity that is not a Member, but which is a party to an Other Euronext Agreement:
    - A Service Provider Agreement:
        - Application Service Provider (ASP)
        - Extranet Service Provider (ESP)
    - A Data License

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[1] This offer is provided to clients pending Data Centre Migration regulatory approval.

The table set forth below indicates what type of Charges apply to you as a Client depending on your own status and that of any Affiliates or End-Users you may be authorized to service under the Agreement. Euronext's qualification of a Client shall be binding upon the Client.

COLOCATION OPTIONS			
#	MEMBER	NON-MEMBER	APPLICABLE FEE
1.	Client		Member Fee
2.		Client	Non-Member Fee
3.	Client	Affiliates	Member Fee
4.	Affiliate	Client	Member Fee
5.	Client & Affiliate		Member Fee
6.		Client & Affiliate	Non-Member Fee
7.	Client (non-broker)	End User	Non-Member Fee
8.	Client (broker)	End User	Member Fee
9.	End User	Client	Non-Member Fee
10.	Client & End User		Member Fee
11.		Client & End User	Non-Member Fee

For the sake of clarity, line 1 means "if the client is a Member, the Client will pay Member Fee".

Colocation Cabinets

There are three (3) cabinet options available: **4kW, 9kW or 18 kW of peak power**.

Each cabinet is provided with a power distribution unit (PDU) by default.

Frequency: Monthly

HOSTING / COLOCATION SERVICES			
PRODUCT CODE	**BASIS**	**MEMBER FEE**	**NON-MEMBER FEE**
Colocation Cabinet kW			
4 kW	Per cabinet	€3,500	€4,200
9 kW	Per cabinet	€8,280	€9,800
18 kW	Per cabinet	€14,000	-
Power Not Used (PNU)	**BASIS**	**MEMBER FEE**	**NON-MEMBER FEE**
PNU Cabinet	Per Cabinet	€600	€600

Note:

Note 1: 18kW cabinets are not available to Non-Members.

Note 2: For PNU, Clients can decide to reserve a 4 kW or a 9kW Cabinet. Cabinets can be reserved on a PNU basis in the Colocation Room only, not in the MMR or within the Roof Room.

Clients can reserve cabinets on a PNU basis for up to a maximum of 25% of the total number of their Cabinets (the number of cabinets will be rounded down). For illustration purposes only, if a Client has ordered 10 Cabinets, it can reserve a maximum of two Cabinets on a PNU basis.

Clients with less than four Cabinets will however be permitted to reserve one Cabinet on a PNU basis.

Note 3: MillenniumIT & SOLA Only Colocation Clients[1] are eligible to adhere to the following temporary fee scheme:

(A) *Fee Waiver:* for the period between the moment the MillenniumIT & SOLA Only Colocation Clients conclude agreements with Euronext to make use of the Euronext Colocation Services until the completion of their migration[2]: the payment for the Euronext Colocation Services is waived, whilst the payment for Borsa's colocation services ("**Borsa Colocation Services**") continues to be due.

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[1] MillenniumIT & SOLA Only Colocation Clients are clients that:
  (i) are using Borsa Colocation Services on the basis of a direct agreement with Borsa Italiana (and not through a service provider); and
  (ii) were doing so on the 1st of July 2022 and continue to do so until the start of the Migration; and
  (iii) did not have an agreement with Euronext for the provision of Euronext Colocation Services as per the same aforementioned date

[2] A MillenniumIT & SOLA Only Colocation Client has completed its migration once the Borsa Italiana markets upon which it was active prior to the start of the Migration, and for which it used Borsa Colocation Services, have migrated to Euronext's Optiq® trading platform.

(B) *Adapted Offering:* for a period of twelve (12) months, starting from the completion of their migration [1], MillenniumIT & SOLA Only Colocation Clients are eligible to:

- change their 3kW and 5kW cabinets forming part of the Borsa Colocation Services into 4kW cabinets under the Euronext Colocation Services, at the price applied for 3kW; and
- change the number of handoffs forming part of the Borsa Colocation Services into FTEx under the Euronext Colocation Services[2].

This temporary fee scheme only applies to the Charges related to Cabinets and FTEx Cross-Connects forming part of the Euronext Colocation Services, not to other applicable Charges in that regard.

If a Millennium & SOLA Only Colocation Client makes material modifications to the colocation services it selects during or following its migration (whether Borsa Colocation Services or Euronext Colocation Services), such may result in a premature termination of the Fee Waiver or the Adapted Offering for such client by Euronext (at Euronext's discretion).

Normal price adjustments (including regular adjustments to changes in energy prices and/or (annual) inflation corrections and other price adjustments) will also apply to charges applicable during the term the Fee Waiver and the Adapted Offering applies, which may result in increases of the applicable fees when compared to the current charges applicable to the Borsa Colocation Services.

Excess Power

Each Client is subject to the power limit capacity according to the cabinet type ordered.

In any case of exceeding power limit capacity, Euronext reserves the right, upon written notice, to switch off the Cabinet at Euronext's sole discretion in accordance with the terms and conditions of the Agreement.

EXCESS POWER			
PRODUCT CODE	**EXCESS OF**	**BASIS**	**FEE**
Excess Power 1 kW	1 kW	To be confirmed	To be confirmed
Excess Power 2 kW	2 kW		To be confirmed

Charge per additional Hosted End User

The below only applies to Service Providers, being Non-Members providing hosting services to End Users in their Cabinet(s) located in the Colocation Room. An additional fee per Hosted End User is applied in this case.

Frequency: Monthly

HOSTED USER		
PRODUCT CODE	**BASIS**	**FEE**
Per Hosted End User	Fee per hosted End User	€900

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[1] The Adapted Offering will last no longer than 6 months after the migration of the derivatives markets to Euronext's Optiq® trading platform.

[2] Only the number of FTEx necessary to support the migration of the existing handoffs are included into the Adapted Offering. Any additional component will be charged according to the standard pricing of Euronext Colocation Services.

B. Colocation Services

Cabinet Management

In the event that the Client requests Euronext to provide support to establish a structured cabling solution (as to be determined by Euronext) and such request is acceptable for Euronext, Euronext shall issue a quote in respect thereof to the Client and, if accepted by the Client, Parties will conclude a specific statement of work (in a format determined by Euronext) to document such non-standard Services.

Frequency: Upon request

GOODS STORAGE			
PRODUCT CODE	**DESCRIPTION**	**BASIS**	**FEE**
Goods storage	Storing of one shipment	Per day per shelf space (100 cm width, 60 cm depth, 44 cm height)	€100
Packaging Material Disposal	Disposal of packaging	Per event per 4 boxes	€50

Goods storage will be charged as specified in the Acceptable Usage Policy.

Smart Hands

Clients will be able to request Smart Hands Services assistance by indicating details of assistance, time constraints, and the preferred date and time.

Smart Hand services support hours:
- Support Hours: Monday – Friday, 09:00-18:00 CET, excluding Italian public holidays
- Outside Support Hours:
    - Monday – Friday, 18:00-09:00 CET, including Italian public holidays and weekends

Euronext change window:

- Monday – Friday from 18:00 – 01:00 CET the following morning
- Saturday and Sunday from 09:00-17:00 CET

Please note that post Go-Live and for security reasons, the Colocation Room will not be accessible by the Smart Hands Team during the trading hours of any of the Markets.

Emergencies Management:

Smart Hands Team available 24x7

SMART HANDS			
PRODUCT CODE	**DESCRIPTION**	**BASIS**	**FEE**
Smart Hands: Support Hours	Use of first-level technician support for on-site support	Per unit of 30 mins	€65
Smart Hands: Outside Support Hours	Use of first-level technician support for on-site support at nights, on weekends and public holidays		€90

Colocation Security

The choice of the product (token or biometric security) applies to all the Client's cabinets.
The fee will be charged per cabinet.

COLOCATION SECURITY			
PRODUCT CODE	**DESCRIPTION**	**BASIS**	**FEE**
Token	Token access to enter the cabinet	Per cabinet	€150
Biometric security	Biometric access to enter the cabinet		€300

Time Synchronisation Services

All cabinets come by default with the Euronext NTP time service.
In addition to the NTP service, included by default in the cabinet, additional resilient, highly-precise time synchronisation services for clients located in the Data Centre are available to Members and Non-Members:

- PTP service: Redundant Single-Mode Fibre Cross-Connects with Euronext PTP
- GNSS service: Redundant Cross-Connects with Euronext GNSS

TIMING SERVICES			
PRODUCT CODE	**DESCRIPTION**	**BASIS**	**FEE**
Euronext PTP	Redundant Single-Mode Fibre Cross-Connects with Euronext PTP	Per service	€1,200
Euronext GNSS	Redundant Cross-Connects with Euronext GNSS	Per service	€350

3. EURONEXT CROSS-CONNECTIONS WITHIN COLOCATION PRICE LIST

A. Colocation Room to Euronext Matching Engine

Multiple single-mode optic fibre links are needed by Clients to connect their equipment to the Exchange. These links are used either for unicast or multicast traffic.

Connectivity between the Client's cabinet and the Exchange is provided by:

1. Multicast FTEx: a pair of single-mode fibre links for multicast A & B feeds

2. Unicast FTEx: A pair of single-mode fibre links for TCP/IP connection (Order Entry Gateway, Drop Copy) with full resiliency

Please note that, as per RTS 10 requirements, Euronext will arrange for the same cable length for all clients when required by Applicable Law.

Frequency: Monthly

COLOCATION ROOM TO EURONEXT OPTIQ MATCHING ENGINE				
PRODUCT CODE	**DESCRIPTION**	**BASIS**	**MEMBER**	**NON - MEMBER**
1 Gb/s FTEx	FTEx (1 Gb/s) from a cabinet in redundant Single-Mode Fibre to Optiq for multicast and/or unicast	Per set of 2 pairs	€3,500	€7,000
10 Gb/s FTEx	FTEx (10 Gb/s) from a cabinet in redundant Single-Mode Fibre to Optiq for multicast and/or unicast	Per set of 2 pairs	€4,850	€9,000
10 Gb/s FTEx	Additional FTEx (10 Gb/s) from a cabinet in redundant Single-Mode Fibre to Optiq for multicast and/or unicast	Per pair	€2,500	€4,800

B. Cross-connections available within the data centre

The table below provides the fees associated with the different types of internal cross-connections available to Members and Non-Members within the colocation space i.e.:

- Cross-Connect between the Meet Me Room (MMR) and the Client's cabinet
- Single-User Cross-Connect
- Multi-User Cross-Connect
- Only for clients with colocation presence ordering client managed connectivity (CMC): Single-mode fibre Cross-Connect between the Colocation Cabinet and CMC port of the client
- Only for clients having concluded and maintaining either (a) an agreement with the Accepted Wireless Carrier regarding the provision of wireless connectivity services, or (b) a Wireless Services Order Form with Euronext : Wireless Cross-Connect

Frequency: Monthly

CROSS-CONNECTIONS			
PRODUCT CODE	**DESCRIPTION**	**BASIS**	**FEE**
Meet Me Room Colocation - Colocation	Single-mode fibre Cross-Connect between Meet Me Room and Colocation Cabinet	Per Cross-Connect	€200
Colocation to CMC	Single-mode fibre Cross-Connect between the Colocation Cabinet and CMC (Client Managed Connectivity) port of the client		€0
Colocation (Single User)	Single-mode fibre Cross-Connect between consecutive Colocation Cabinets (single client up to 15 Cross-Connects[1])		€0
Colocation (Single User)	Single-mode fibre Cross-Connect between non-consecutive Colocation Cabinets (single client)		€0
Colocation (Multiuser)	Single-mode fibre Cross-Connect between two Colocation Cabinets of multiple clients		€200
Wireless Cross-Connect	Wireless Cross-Connect between the Client's Cabinet in the Colocation Room and either (i) the Accepted Wireless Carrier's equipment in the Roof Room or in the MMR, or (ii) the Client Equipment in the Roof Room or in the MMR, as indicated by the Client in writing (including via email).	Per Cross-Connect	€300

[1] For other requests please contact your Sales Representative

4. APPLICATION SERVICES FOR COLOCATION SERVICE OFFERING

The Mutiicast Application Services fees are applied depending on client type.

	Via Colocation
Member	A.
Non-Member	B.

A. Multicast Application Services fees for Members

- **Production**

PRODUCTION - Euronext Cash Multicast Application Services			
SERVICE	**100 MB**	**1GB**	**10 GB**
Euronext Cash Consolidated: - Euronext Equities (Excl. Dublin and Oslo - Euronext Fixed Income (Including Nordic ABN) - Euronext ETF and Funds - Euronext Warrants and Certificates - Indices/iNAVs - Best of Book - Euronext Block	€178.00	€378.00	€441.00
Cash Consolidated Light Pack: - Euronext Equities - Euronext Fixed Income - Euronext ETF and Funds	€126.00	€262.00	€315.00
Euronext Dublin Equities*	€63.00	€126.00	N/A
Oslo Børs Equities	€63.00	€126.00	N/A
Euronext Warrants and Certificates	€58.00	€115.00	N/A
Indices/iNAVs	€21.00	N/A	N/A
Euronext Best of Book	€21.00	€63.00	N/A
Euronext Block	€16.00	N/A	N/A
Euronext FX	€63.00	N/A	N/A
Bourse de Luxembourg	€16.00	€26.00	N/A

* Includes Euronext Dublin Bond and Funds. Clients who solely want Dublin Bonds and Funds can contact their Sales Representative.

PRODUCTION - Euronext Derivatives Multicast Application Services			
SERVICE	**100 MB**	**1GB**	**10 GB**
Euronext Derivatives Pack: - Euronext Commodities Derivatives - Euronext Equity and Index Derivatives	€37.00	€84.00	€126.00
Euronext Commodities Derivatives	€6.00	€13.00	N/A
Euronext Equity and Index Derivatives	€31.50	€63.00	€105.00

Frequency: Monthly

PRODUCTION - Euronext APA Multicast Application Services			
SERVICE	**100 MB**	**1GB**	**10 GB**
Euronext APA Trades	€37.00	N/A	N/A
Euronext APA SI Quotes	€37.00	N/A	N/A

- ▪ **EUA**

Frequency: Monthly

EUA - Euronext Cash, Derivatives, APA Application Services	
SERVICE	**FEE**
Euronext Cash Consolidated Pack	€79.00
Euronext Derivatives Consolidated Pack	€63.00
Euronext APA (incl. Trades and SI Quotes)	€13.00

B. Multicast Application Services fees for Non-Members

For Non-Members, the Application Services include Production and EUA.

Frequency: Monthly

PRODUCTION AND EUA - Application Services		
SERVICE	**FEE PER FTEx**	**FEE CAP**
Cash Multicast*	€1,890.00	€18,900.00
Derivatives Multicast	€1,260.00	€12,600.00

PARTICIPANT ACCESS	**PER END USER**	**FEE CAP**
Participant Access Cash Multicast	€189.00	€9,450.00
Participant Access Derivatives Multicast	€189.00	€9,450.00

(*) APA is included in Cash Multicast package.

5. PROCESS FOR ORDERING, MODIFYING AND CANCELLING THE COLOCATION SERVICE OFFERING

To order Colocation Services from Euronext, or to cancel or modify your subscription, please contact Euronextmembership@euronext.com.