BOLSA MEXICANA DE VALORES

Grupo BMV

INVESTOR RELATIONS 4Q 2022

Dow Jones Sustainability Indices Powered by the S&P Global CSA

S&P/BMV Total Mexico ESG Index MSCI () Emerging Markets IMI ESG Screened





About Us

Business Units & Operating Model

Main Initiatives

Financial Results

Mexico's Sustainable Stock Exchange

La Bolsa de *México*

BMV Group at a Glance



Fully Integrated Exchange



128 years, 9 business lines,463 employees that make possible the securities and derivatives financial markets in Mexico.

2022 Key Financial Highlights



Sustainability

BMV Group is leader in the financial markets infrastructure and a strategic enabler of sustainable growth. We play an essential social and economic role in Mexico's financial system.

Nember of Dow Jones MSCI Sustainability Indices Prowerd by the S&P Global CSA Screened

Highlighte

Capital Formation

366 issuers, of which 52 have more than one type of instrument listed

\$1.4 Trillion MXN | 11% ESG

Long-Term Debt

Equities



Average Daily Traded Value

↑\$17.8 Billion Pesos

Market Mix

Local 50%

6 Glob

Global 50%

OTC Trading

SIF ICAP is a voice and electronic interdealer broker with presence in Mexico, Peru and Chile. Joint venture with ICAP Plc.

Derivatives



MexDer is the only listed derivatives exchange in Mexico

Asigna: Average Margin Deposits

\$34 Billion Pesos (2022)

Post – Trade

e E E

Only Central Securities Depository **(Indeval)** and Equity & Derivatives Central Counterparties in Mexico **(CCV and Asigna)**



Average Total Assets Under Custody: 31 Trillion Pesos (35% Corp Debt | 30% Equities | 25% Pension Funds | 10% Gov Debt)

Information Services

Market Data provides screens, information and data feed

Strategic alliance with S&P in fixed income and equity indices and benchmarks

Global data footprint

- a) Point of presence in NYC
- b) Deutsche Börse in Europe
- c) Data available in the cloud

Valmer, is an authorized price vendor and financial risk management software provider



In-house developed infrastructure powered by top global providers.

Our systems' availability is above 99.98%

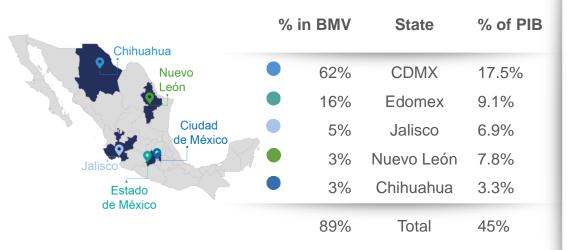
Our Presence





Their presence extend to 14 out of the 32 Mexico's states.

Almost 90% are distributed between the following 5 states:





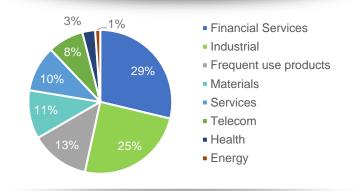
These five states alone represent 89% of the listed companies in BMV, but contribute to the 45% of Mexico's GDP*. There is great growth potential within the Mexican Republic.



160 Issuers Equity + REITs

Market Capitalization of \$9.4 Trillion MXN

(51% GDP)





36 companies are part of the S&P / BMV IPC

IPC Market Cap = \$7 Trillion MXN Which represent

75% out of the total stock market

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Business Units & Operating Model

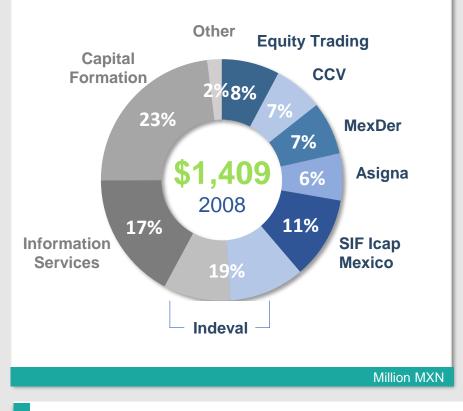
Grupo BMV

- Fully integrated Exchange
- 128 years of experience
- Diversified business model with 9 revenue segments
- Highest segment contributes 31% of total revenues
- Half of the revenue is driven by business related to market activity and the other is subscription revenue

La Bolsa de México

Evolution of **Revenue Mix**

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- CCV Equity clearing and Counterparty
- MexDer Derivatives Trading
- Asigna Derivatives Clearing
- SIF Icap Mexico OTC Trading
- SIF Icap Chile OTC Trading
- Indeval Central Securities Depository
- Information Services includes Valmer and Market Data
- Capital Formation includes Listing and Maintenance Fees

	2008	2022
Subscription Revenue	49%	47%
Transanctional Revenue	51%	53%

Leadership that generates value





José-Oriol Bosch Par

Chief Executive Officer

Bachelor of Administration and Finance with more than 35 years of experience in the financial and banking sector, holding senior management positions both in Mexico and in the United States, From 2008 to 2014 he served as Board Member of Grupo BMV.



Chief Information Officer

Master of Business Administration with more than 23 years in Information Technology, Strategic Planning and Innovation as CIO in Mexico and Latin America in Insurance and Infrastructure Development sectors.



Chief Legal and Compliance Officer

Bachelor of Financial Administration with more than 33 years in the Securities Regulatory Framework, with Executive positions in the public financial sector.



Chief Capital Formation, Information Services and Markets Officer

Master in Finance with more than 22 years in Strategic Planning and Business Development. He is currently a member of the Board of the Lima Stock Exchange (BVL).



Chief Financial and Sustainability Officer

Master of Business Administration and Finance with more than 25 years in financial positions in international companies.



Chief Post-Trade Officer

Bachelor of Business Administration with more than 30 years in Securities Services in international companies. He was president of ACSDA (Association of Central Securities Depositories of America).

Joined Grupo BMV in January 2015 Joined Grupo BMV in March 2020 Joined Grupo BMV in June 2001 Joined Grupo BMV in June 2001 Joined Grupo BMV in May 2008

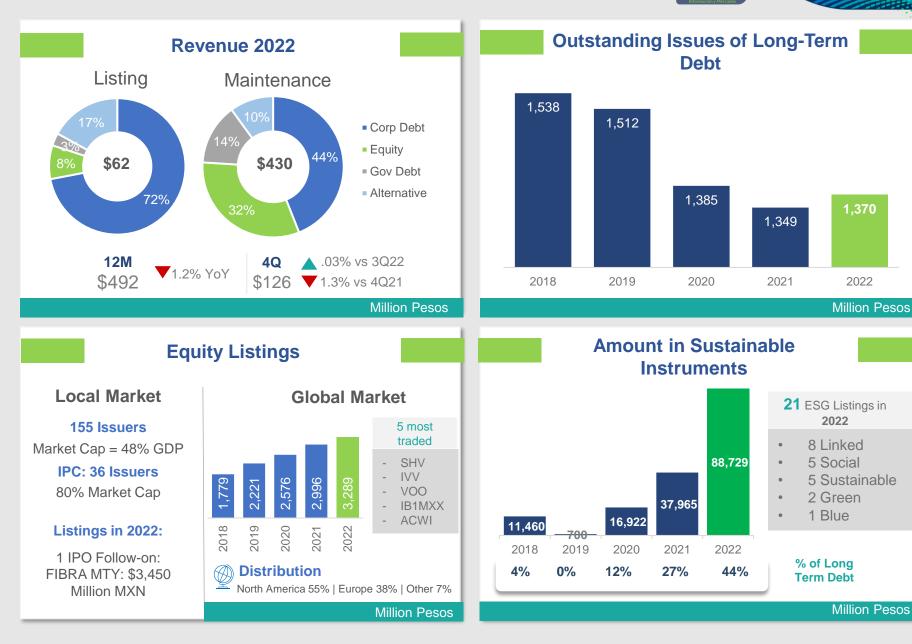
Joined Grupo BMV in June 2000

1. Listing & Maintenance

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1,370

2022



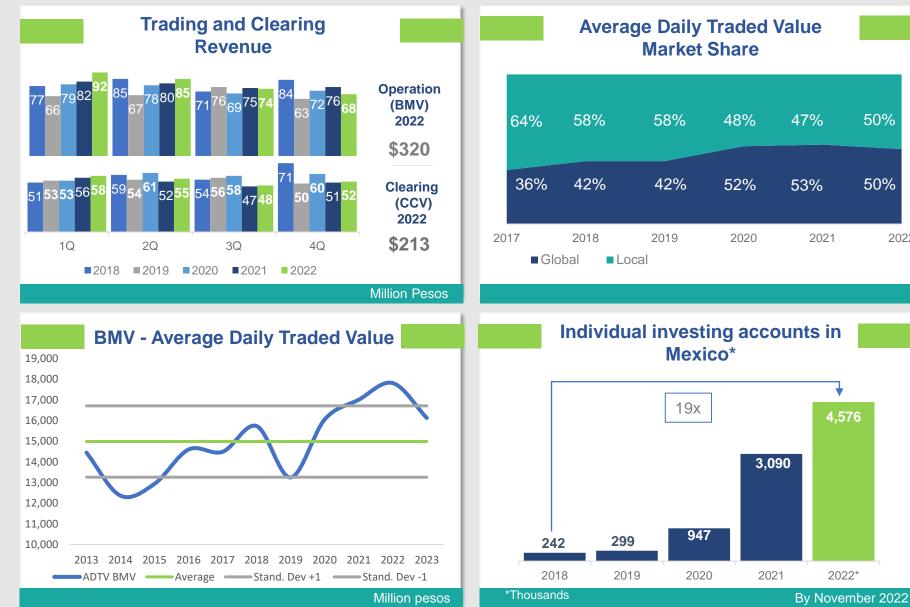
2. Equity (BMV – CCV)



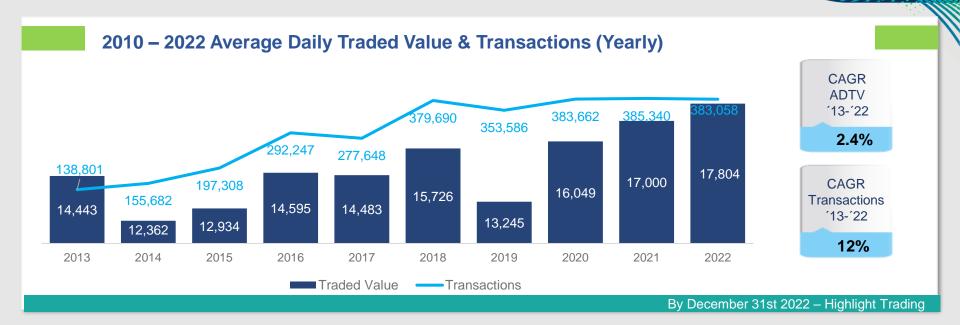
50%

50%

2022



Operative Highlights



2021 – 2022 Average Daily Traded Value (Monthly)



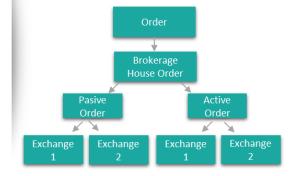
Million Pesos | By December 31st 2022 - Highlight Trading

11

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Best Execution Requirements

New Rules (August 2022)



Trades are ordered by the following criteria:

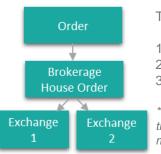
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- 1. Best price available
- 2. Volume available (only when the client requires to prioritize volume)

*In case of a tie in the best price available and there is enough volume in both exchanges, brokerage houses must develop their own methodology.



Previous Rules

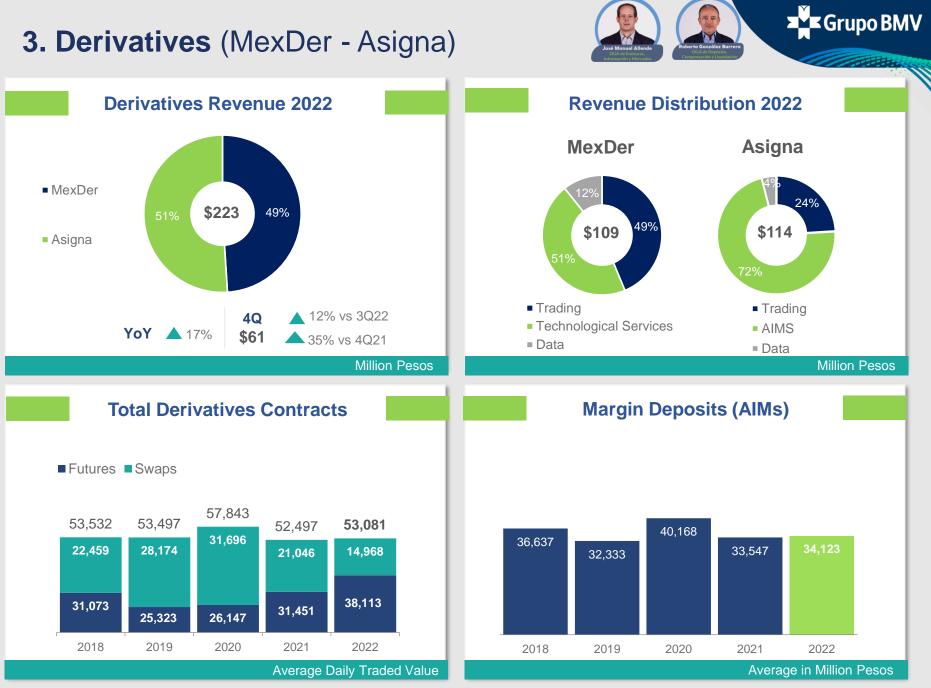


Trades are ordered by the following criteria:

1. Best price available

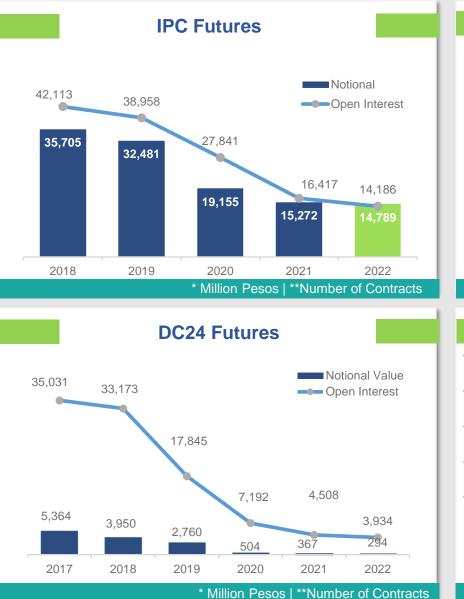
- 2. Volume available
- 3. Execution probability*

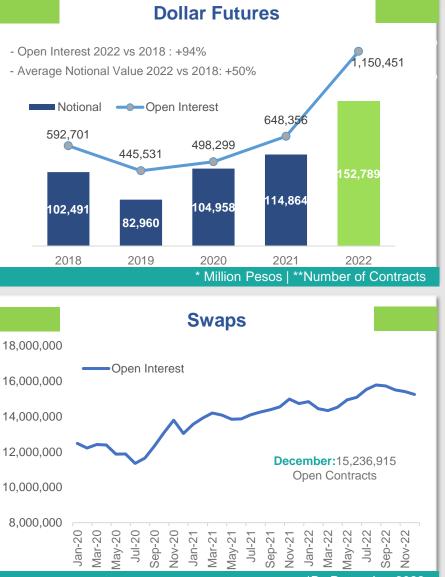
*Brokerage houses developed a methodology that considered information of at least the last 3 months.



Operative Highlights

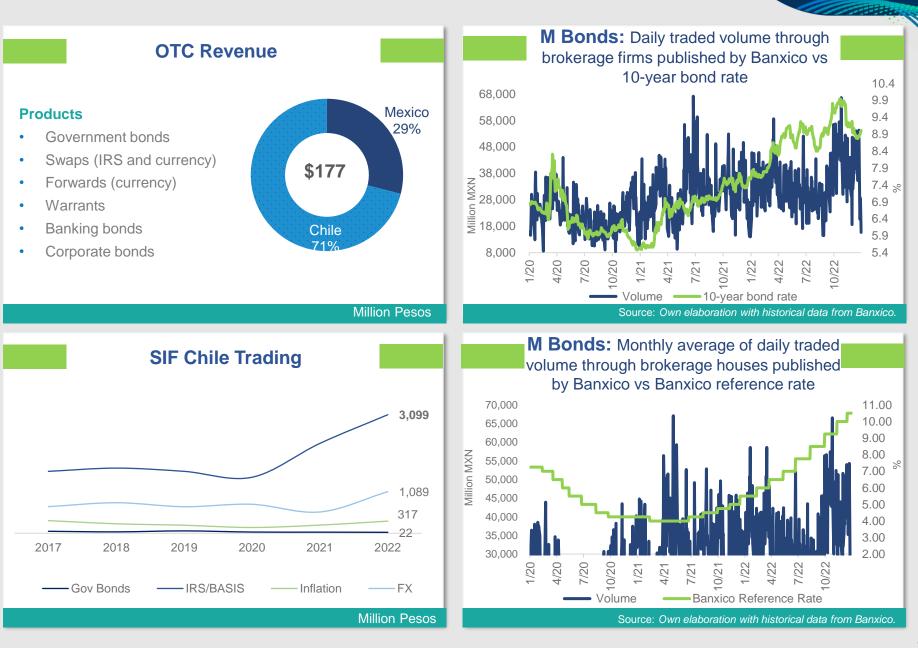
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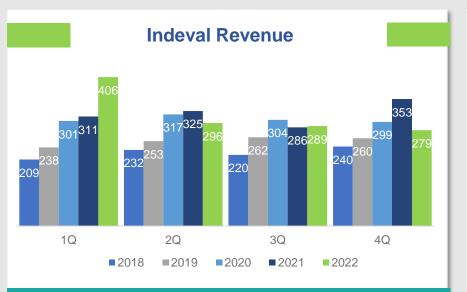
*By December 2022

4. OTC Trading – SIF Icap

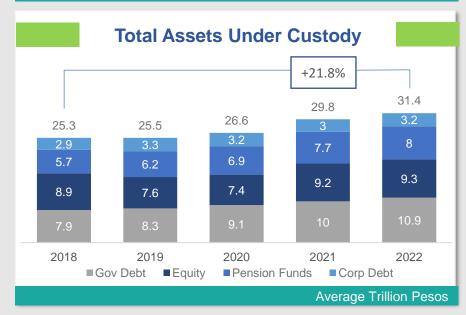


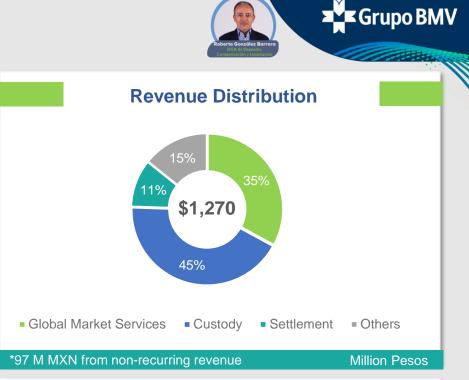
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5. Central Securities Depository

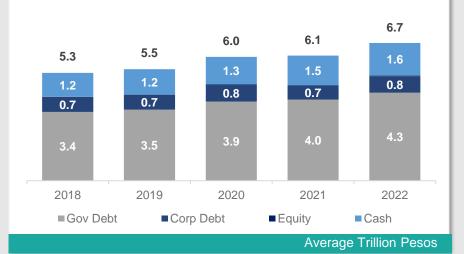


Million Pesos





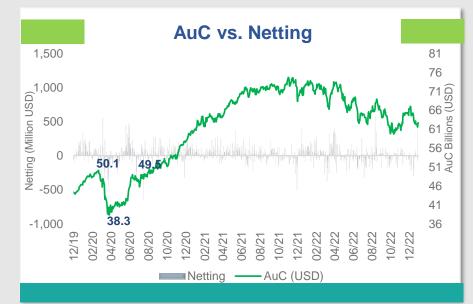
Average Daily Settlement Amount

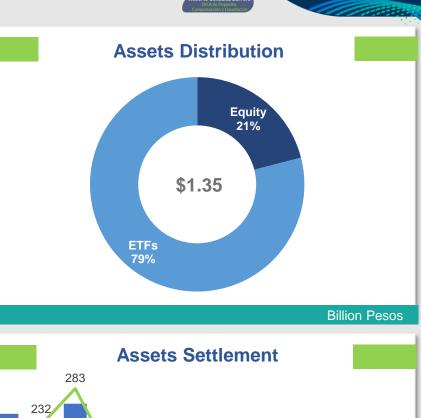


Global Market Services Highlights

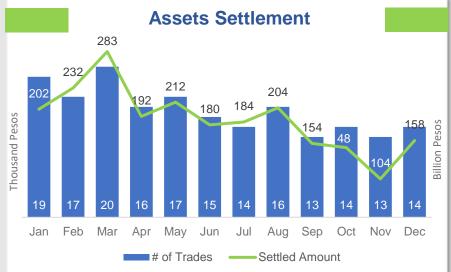
Assets Under Custody 1.39
1.35
0.77
0.82
1.05
2018
2019
2020
2021
2022

Average in Billion Pesos





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6. Information Services

Grupo BMV



MAIN INITIATIVES

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- A diversified company with recurrent revenue, and growth projects.
- Average Capex (2018-2022): **54 M Pesos**

La Bolsa de México

Strategic Projects under development



SEGREGATION OF POST-TRADE's INFRASTRUCTURE (Indeval, CCV, Asigna)	HISTORICAL MARKET DATA (Market Data)	DIRECT CUSTODY (Indeval)	LIQUIDITY ALTERNATIVES (Asigna)	ELECTRONIC MARKET – Bonds Central Counterparty (Indeval)		
Separate infrastructures for each Central Counterparties & Clearinghouses (CCV and Asigna) and for the Central Securities Depository (Indeval)	Generate historical transactional information on capital and derivatives markets. Participants will be able to better analyse and perform scenario analysis and backtestings with large amounts of data	Provide services such as market information, fiscal services, corporate actions, among others, and enable access to the local market infrastructure of the Central Securities Depository to foreign financial institutions.	Provide a mechanism for Pension Funds (Afores) to provide securities as collateral to cover the margin variations required by Asigna. This will promote the development of a deeper and more liquid derivatives market in Mexico.	Contribute to the growth and liquidity of the bond market in Mexico with the efficient use of securities and cash, the result of the multilateral clearing process, offering security, operational transparency and counterparty risk reduction.		
In progress Estimated date: 2023	Trial period Estimated date: 2023	Under regulator approval	Under regulator approval	Under regulator approval		
Regulatory Growth Transformation						
	Million Pesos vested in Project 2022	58% 20% 22% 2018	41% 28% 27% 59% 33% 13% 2019 2020	17% 47% 40% 10% 43% 44% 2021 2022		
		CAPEX \$63	\$46 \$21	\$69 \$70		

Million MXN

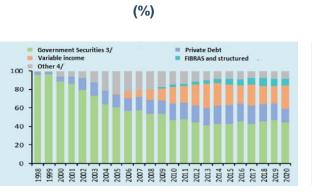
Reform of the Mexican Pension System

Main features

- a) Gradual increase in contribution percentages of salary to retirement accounts, from 6.5% in 2023 to 15% in 2030
- b) Flexible scheme for obtaining the guaranteed minimum pension
- c) A reduction in number of weeks that a worker must have contributed to be entitled to a pension
- d) Establishment of a ceiling on the commissions charged by the Pension Fund Managers (AFORES)

Some figures

- Assets under management by AFORES amount 267.8 billion dollars* (As of Nov 30th, 2022)
- ✓ The SIEFORE's Net Assets represent the 20% of Mexican GDP

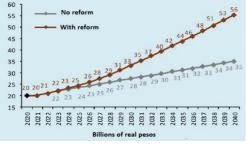


Investment structure

3 / Includes Cetes. Bondes D (Development Bonds), Fixed Rate Bonds and Udibonos.
4 / Includes international debt, UMS (United Mexican States Bonds), IPAB securities, among others.

5 / Includes CKDs (Development Capital Certificates) and Trust Stock Certificates.

Projection of the Assets managed by the AFOREs (% of GDP)



Source: https://www.fiapinternacional.org/wpcontent/uploads/2016/01/PN_54_Reform_of_t he_Mexican_pension_system_June_2021.pdf

Expected Results for BMV Group companies

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- Increased trading opportunities for the Capital and Derivatives Market
- More assets under management by pension funds

The potential benefits are expected to be gradual

Technological innovation

	 Updating of all Group Platforms: Both systems and infrastructure to support the evolution of the technological ecosystem (Evergreen).
Modernizing and Strengthening	 Flexible DRP: Automation of configuration changes for BMV Group companies to avoid impact on recovery times in case of a disaster.
our Platforms	 Service Monitoring: Automated capacity with a progressive scope for monitoring the quality of the services delivered, as well as intermediate critical elements that allow a proactive intervention.
Promote the Digitization of Products and	 BolsApp: First application of its kind that seeks to increase the number of retail investors in Mexico by allowing them to have an accurate and timely information for their correct decision making.
Process Automation	 Process Automation (RPA): Automation of repetitive processes through new technologies, improving response times and mitigating operational risk.
Evolution to the Cloud / Data	 Historical Market Data: Historical transactional information of the capital and derivatives markets. Participants will be able to analyze and perform further scenario analysis and backtesting with large amounts of data.
Science	 Data Warehouse: To have a more flexible architecture to allow visibility of the data for predictive analysis and decision making.



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Leading technological solutions



Main Platforms	Operation	Systems Availability		
BMV Operation MONET	Processes in real time each one of the orders that the intermediaries transmit either on their own account or clients.	BMV	100.00% 100.00% 99.81% 99.97% 99.99%	
Operation, Clearing and Settlement of Derivatives (Asigna / MexDer) Risk Engine	Through a specialized process, addresses the services level necessary for an adequate risk management, integrates a risk calculation methodology and is aligned with the requirements issued	MexDer	100.00% 100.00% 100.00% 100.00% 100.00%	202220212020
	by the different national and international authorities.	Asigna	99.92% 99.99% 100.00% 99.84% 100.00%	■2019 ■2018
Securities Settlement (Indeval) Dalí	Performs the settlement of securities operation using compensation through a linear optimization algorithm.	Indeval	99.92% 99.98% 99.92% 99.97% 99.80%	
Central Clearing & Counterpart (CCV) SCO	Developed in Oracle and Java, it supports the current and future operational needs of the market	CCV	99.93% 99.99% 100.00% 99.89% 99.82%	

Financial **Results**

Grupo BMV

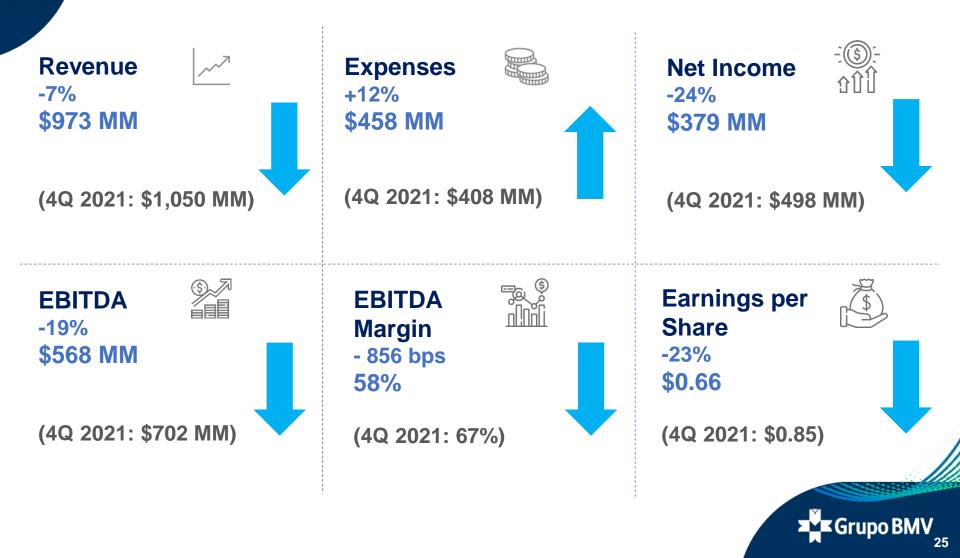
- EBITDA Margin: 61%
- ROE: 22%
- DPS 2022: \$2.16
- Dividend Yield 2022: 5.8%
- EPS 2022: \$2.87
- Payout: 80%
- DPS 2023: \$2.30*

* The Board authorized to present a \$2.30 dividend per share to the Shareholders Assembly



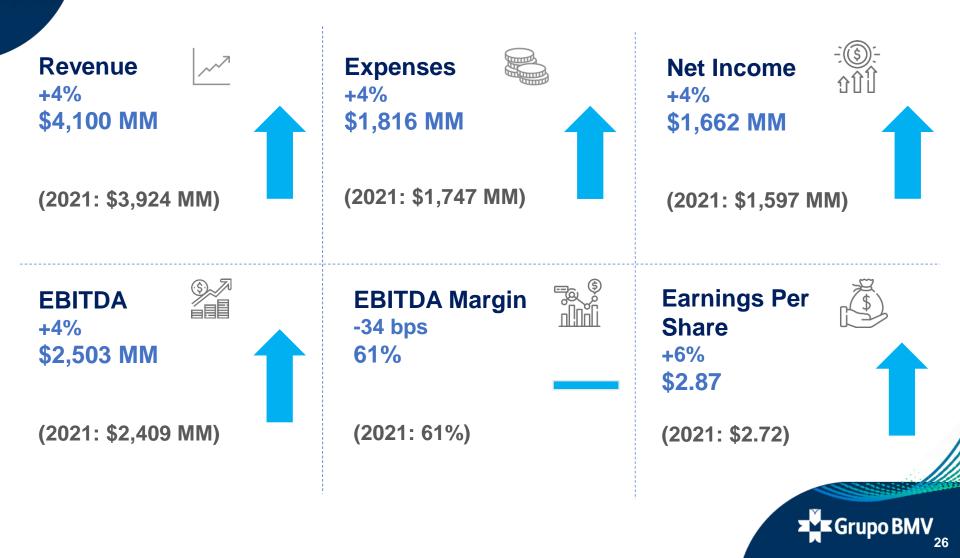
4Q 2022 Key Financial Highlights

Resilient quarterly results when excluding 4Q21 non-recurring revenue of 70 million pesos. Strong quarter for transactional businesses (derivatives and OTC trading) due to dollar futures trading and SIF Icap Chile.



2022 Key Financial Highlights

Diversified business portfolio delivering solid financial results in 2022. Steady growth in the average daily traded value of equities, dollar futures trading, OTC trading in Chile, and information services, while keeping cost in check.



Sustainable and historical Growth

Net Income, Dividend & Payout **EBITDA Margin** Net Income CAGR Dividend Net 61% 61% Income 1,329 1,281 1,198 59% +5% 58% 1,071 1,052 55% 1,360 1,338 1,493 1,597 1,662 2018 2019 2020 2021 2022 77% 77% 80% 80% 80% Payout 2022 2018 2019 2020 2021 Million Pesos **Dividends Per Share Earnings Per Share (EPS)** CAGR CAGR 2.16 +9.4% +6% 2.02 2.87 1.81 1.78 2.72 2.52 2.31 1.51 2.26 2022 2018 2019 2020 2021 2022 2018 2019 2020 2021

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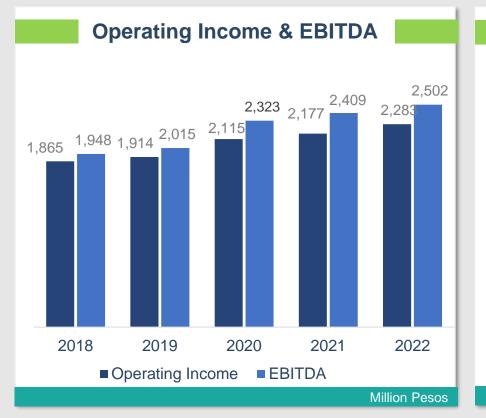
2022 Operative Expenses

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Expense	2018	2022	CAGR 18-22	Highlights
Personnel	832	883	1.5%	The net effect of annual salary increases and higher variable compensation due to better results at SIF Icap and a corporate restructuring to optimize functions; from 532 employees to 478 at the end of 2022.
Technology	356	321	-2.6%	Reclassification of Hardware leases for \$100 million pesos due to changes to the IFRS16 Accounting Standard. Excluding this concept, the CAGR is 4.3%, related to greater investment in business continuity, cybersecurity and strategic projects.
Depreciation & Amortization	83	219	27.5%	Reclassification of Hardware leases by IFRS16. The growth is due to higher Hardware leases, as well as the amortization of strategic projects.
Consulting Fees	86	111	6.6%	Higher consultancies related to the disaster recovery plan (DRP), cybersecurity and business continuity. Additionally, legal and strategic topics.
Other Expenses	107	107	0.0%	Impact of the pandemic on the number of events and promotional activities.
Rent & Maintenance	65	71	2.2%	Expenses control in maintenance and renovation of Grupo BMV's building.
Sub-Custody	126	69	-14.0%	Decrease due to better business conditions and consolidation of international custodians for the Global SIC Market.
CNBV Fees	28	33	4.2%	This concept grows in line with inflation.
Total	1,683	1,747	1.9%	Grupo BMV is committed to offering the best service, maintaining operational efficiency with solid expenses control.

Income Growth



Balance Sheet

- Total Assets \$8.7 B
- \$3.9 B in cash & investments
- Total Liabilities \$908 B
- Shareholder's Equity \$7.4 B
- Book Value \$7.4 B

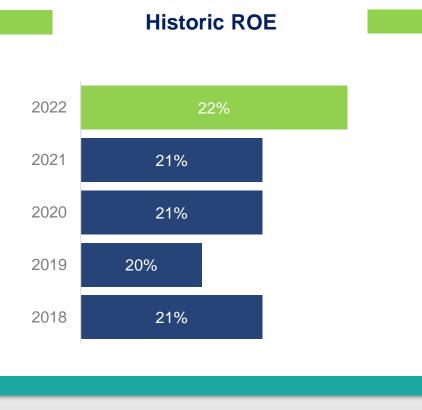
To know more details regarding the quarter financial information of Grupo BMV, visit our results report: PRESS RELEASE 4Q22.pdf (bmv.com.mx)

13%

ROIC

19%

ROA



29

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BolsaA

Analysts Recommendations

Analysts	Recom.	Price Goal	Date
Bank of America	Buy	46	Feb – 2023
Barclays	Hold	38	Feb – 2022
Credit Suisse	Buy	46	Oct - 2022
Grupo Santander	Hold	45	Feb – 2023
HSBC	Buy	50	Feb – 2022
Itau BBA Securities	Hold	43	Feb – 2022
J.P. Morgan	Buy	46	Feb – 2023
Masari	Buy	45	Oct - 2022
Monex	Buy	46	Oct - 2022
Punto	Buy	47	Nov – 2022
UBS	Hold	41	Feb – 2022
Vector	Buy	44	Feb – 2022
BBVA	Buy	48	Jan - 2023
	Average	46	



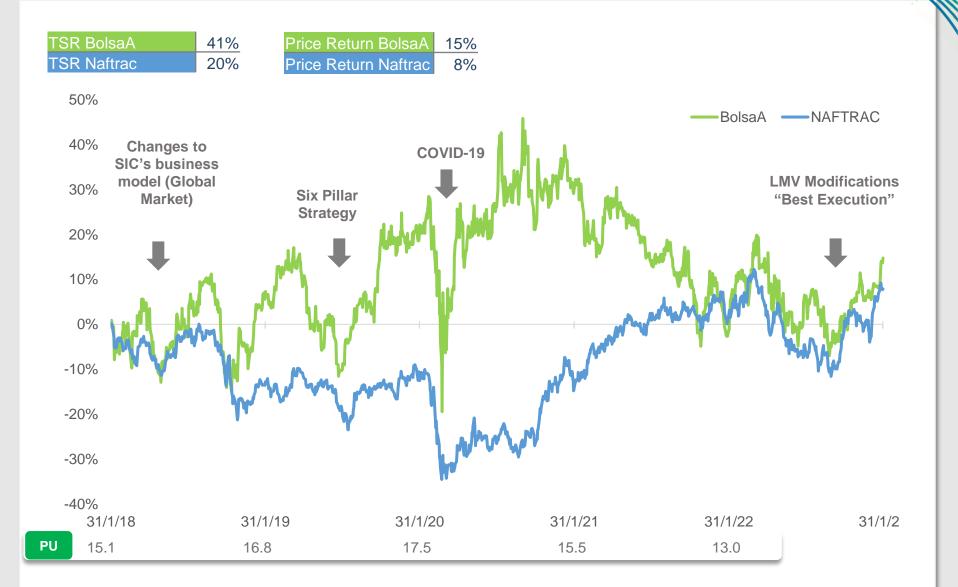


By december 31st 2022

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Top 10 Holders							
By January 31st 2023							
Capital Group Companies Inc	4.8%						
Invesco Ltd	4.2%						
Franklin Resources Inc	4.0%						
BlackRock Inc	3.8%						
J.P. Morgan Chase & Co	3.7%						
FMR LLC	3.6%						
Vanguard Group Inc	2.7%						
Seafarer Capital Partners LLC	1.8%						
Norges Bank	1.5%						
Schrodes PLC	1.5%						

BolsaA vs Naftrac (5-Years)



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Mexico's Sustainable Stock Exchange

Grupo BMV

• We are part of ESG Indices

MSCI Emerging Markets IMI ESG Screened

Dow Jones Sustainability Indices Powered by the S&P Global CSA

S&P/BMV Total Mexico ESG Index

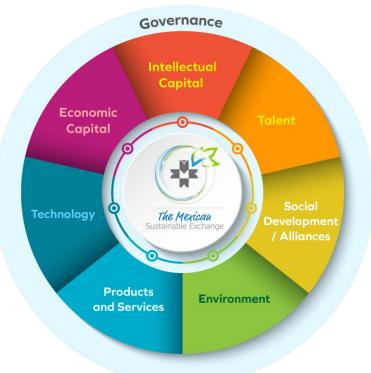
- Members of the Sustainability Yearbook 2023
- Net Zero Commitment
- Finalists of the Premio de Equidad IMEF-MEF
- 50% of our Independent Board are Women
- Human Rights and Wellbeing Policy
- +8x average hours training per employee in the last five years
- We build ESG capabilities in the Market
- We strengthen financial awareness in Mexico

ESG Strategy

We are at the center of Mexican financial markets and leaders in ESG, both in the way we operate internally and in promoting best practices with our customers, suppliers and communities.

Developing the Market

- We strengthen Corporate
 Governance of listed and non-listed
 companies
- We facilitate financing for sustainable projects, the list of instruments and generation of ESG indices
- We generate ESG capabilities in the market through webinars, sustainability training programs and guides for companies
- We strengthen México's financial awareness and social development through the BMV school, an interactive museum, and digital platforms



Setting the example

- We have a solid governance structure based on international frameworks and principles
- In the fight against climate change, we are committed to become a Net Zero company, therefore, we have developed an emissions reduction strategy, and identified risks and opportunities based on international recommendations
- We develop and empower our talent through a career plan and training strategy. We promote inclusion and diversity providing equal opportunities to our employees.

Some highlights of our ESG Strategy

Net Zero Commitment	 TCFD Report Carbon Neutrality Guide for companies 	Joined the S&P/BMV Total México ESG Index	We are part of the Sustainability Yearbook 2023	50% of our Independent Board are women	Launch of BolsaApp for individual investors

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Governance



We have Corporate Governance Guidelines to support our Board of Directors in their functions

- The progress of the sustainability strategy is presented quarterly to the Board of Directors
- We create policies and strengthen the code of ethics and conduct, based on ESG criteria
- ESG targets linked to performance bonus

Solid and transparent governance, control and management structures

We strengthen the companies´ Corporate Governance

- Through the Code of Best Corporate Practices, the PRIME Certification and the Sustainable Accompaniment Program (PAS), companies can develop and implement strategies aligned to the best corporate governance standards.
- Our alliances and associations contribute to the development of initiatives that help to create a more sustainable market.

Some Highlights in terms of Governance						
53% of the Board of Directors is Independent	50% of the Independent Board are women	Board members with experience in Risk Management, Information Security and Sustainability	74% of the Independent members of the Board has 5 or less years in the Board.	93% of the Board Members participate in at most other 5 Boards		
To learn more about our Corporate Governance, visit our official website: https://www.bmv.com.mx/en/investor-relations/corporate-governance						



Environment



- We facilitate financing and capital mobilization for sustainable projects through Labelled Bonds
- We developed the Carbon Neutrality Guide for companies, promoting the framework for analysis, implementation and dissemination of the carbon neutrality process.
- Through MÉXICO2, various companies have offset their GHG emissions through the Voluntary Carbon Market

We facilitate financing for sustainable projects, the list of instruments and generation of ESG indices

Strategy focused on reducing emissions to achieve our Net Zero goals

- We join the commitment to be a Net Zero (CO2) company alongside 5 other Stock Markets
- We identify climate change risks and opportunities based on international recommendations
- We report under TCFD recommendations
- Annually we offset our CO2 emissions for Scopes 1, 2 and 3 by supporting the development of a wind farm in Oaxaca

Key Environmental Indicators in Grupo BMV

Labelled bonds 2016-2022:

- \$175,467 million pesos
- 25 Issuers
- 60 ESG Bonds

In the Voluntary Carbon Market there were offset 96,261 tons of CO2e from 2016 to December 2022 In 2022, we reduced the CO2/Revenue ratio by 45% against our base year (2019)

Donation of 4% of Derivatives Operative Income to the Green Finance Advisory Council

To know more about Grupo BMV's Environmental Indicators, visit our Annual Report: <u>Annual Report_BMV_2021.pdf</u>



Talent & Social Development

Grupo BMV

- Through Escuela Bolsa Mexicana, Museo Bolsa, Podcast and Blog.
- Ring the Bell for Financial Literacy, a global movement to strengthen financial education.
- Participation in the CONDUSEF National Financial Education Week.
- Diffusion in social networks (Facebook, Twitter, Instagram and LinkedIn).
- Awareness campaigns for social causes such as: Autism, Breast Cancer, to name a few.

We strengthen the Financial Awareness in Mexico

We generate Equal Opportunities to our Employees

- Human Rights and Labor Well-being Policy
- We constantly seek to offer the best working conditions, a career plan and training.
- Diversity and inclusion strategy creating work groups for women, LGBT+ employees and the disabled.

Key Social Indicators in Grupo BMV

Through Escuela BMV and MUBO, **82.983 people were benefited** by 3Q2022:

48% of our workforce are **STEM.** Out of this, 36% are women

- In 2022, the 39% of the vacancies were occupied internally
- Average hours of training and development: 89

We generate International Impact through Strategic Alliances:

- SSE
- Pacto Mundial
- Ring the Bell Gender Equality

- 64,769 MUBO
- 11,791 Escuela Bolsa

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