

**Công ty Chứng khoán
Ngân hàng Đầu tư và Phát triển Việt Nam**



INTRODUCING IBROKER NEW VERSION & SKYPE CHATBOT



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ABOUT BSC IBROKER

BSC iBroker is a comprehensive system for investment advisory that includes the following functions:



Technical Analysis Assistant (Kim): provides investors with technical signals and recommendations for the day.



Fundamental Analysis Assistant (Mộc): provides an overview of the operation of the corporation through charts and financial indicators.



Reporting Analysis Assistant (Thủy): provides analysis reports and recommendations according to fundamental analysis from analysts of the Research Department of BSC.



Derivatives Analysis Assistant (Hỏa): provides technical recommendations during the trading session for 2 futures tickers: VN30F1M and VN30F2M.



Covered Warrant Analysis Assistant (Thổ): provides basic information about covered warrants and Black-Scholes valuations.

HOW TO ACCESS IBROKER

The screenshot displays the BSC iBroker interface. At the top, there is a navigation bar with the BSC logo and the title "KIM - PHÂN TÍCH ĐỊNH LƯỢNG". A red circle with the number "1" highlights the "iBroker" label in the top navigation bar. Below the navigation bar, there are several sections: "MÃ CHỨNG KHOÁN" (All), "KHUYẾN NGHỊ" (Recommendations) with checkboxes for "Bán", "Mua bổ sung", "Mua mới", "Nắm giữ", "Quan sát", and "Thanh khoản kém"; "TÍN HIỆU TỪ HỆ THỐNG" (System Signal) with a pie chart showing "Không có tín hiệu" (1272), "Nắm giữ" (252), "Bán" (50), and "Mua" (43); and "GIÁ TRỊ GIAO DỊCH (TỶ)" (Trading Value) with a slider set to 1,131.66. On the left side, there are icons for different analysis tools: "Kim" (Phân tích định lượng), "Mộc" (Phân tích cơ bản), "Thủy" (Bảo cáo phân tích), "Hỏa" (Phân tích phái sinh), and "Thổ" (Phân tích chứng quyền). A red circle with the number "2" highlights the "Thủy" icon. On the right side, there are icons for social media: BSC's official website, Facebook, and Zalo. A red circle with the number "3" highlights these icons. Below these sections is a table of stock data with columns: Mã CK, Sàn, KLGD, GTGD (tỷ), Giá gần nhất, Tín hiệu trong ngày, Khuyến nghị, Ngày mở vị thế, Giá mua, Lãi/Lỗ %, Số phiên nắm giữ, Kháng cự, and Hỗ trợ.

Mã CK	Sàn	KLGD	GTGD (tỷ)	Giá gần nhất	Tín hiệu trong ngày	Khuyến nghị	Ngày mở vị thế	Giá mua	Lãi/Lỗ %	Số phiên nắm giữ	Kháng cự	Hỗ trợ
A32	UPCOM	0	0.00	35.00	Không có tín hiệu	Thanh khoản kém					35.00	31.06
AAA	HSX	5,512,200	113.46	20.30	Nắm giữ	Nắm giữ	17/12/2021	18.60	9.14%	4	20.60	16.75
AAM	HSX	11,000	0.15	12.70	Không có tín hiệu	Quan sát					13.20	12.25
AAS	UPCOM	278,900	8.39	29.30	Không có tín hiệu	Quan sát					30.90	24.10
AAT	HSX	241,400	4.63	19.00	Nắm giữ	Nắm giữ	22/12/2021	19.50	-2.56%	1	19.60	17.80
AAV	HNX	628,200	14.40	22.90	Không có tín hiệu	Quan sát					25.50	22.60
ABB	UPCOM	1,972,600	40.63	20.50	Không có tín hiệu	Quan sát					22.00	18.50
ABC	UPCOM	97,000	1.54	15.30	Mua	Mua bổ sung	22/12/2021	15.40	-0.65%	1	16.90	13.20
ABI	UPCOM	25,500	1.52	59.10	Không có tín hiệu	Quan sát					61.50	57.90
ABR	UPCOM	0	0.00	22.20	Không có tín hiệu	Thanh khoản kém					22.90	20.10
ABS	HSX	1,569,500	46.31	29.40	Nắm giữ	Nắm giữ	21/12/2021	28.70	2.44%	2	29.50	23.50
ABT	HSX	100	0.00	39.50	Không có tín hiệu	Quan sát					39.50	37.00
ACB	HSX	1,016,000	33.82	32.45	Không có tín hiệu	Quan sát					33.80	32.40

1

Customers follow the link: <http://priceboard.bsc.com.vn/>, Select the iBroker label to start using the tool.

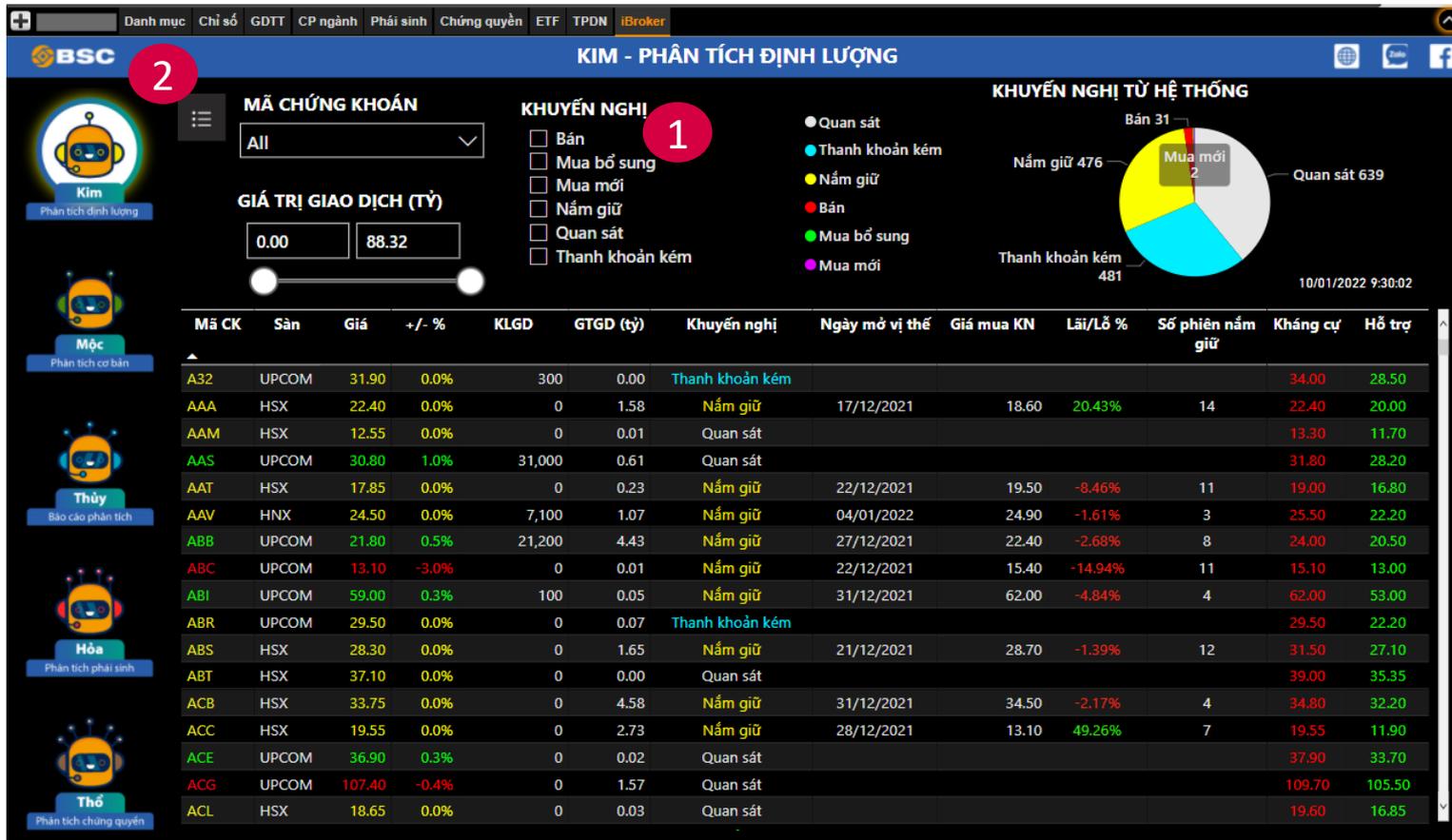
2

Customers select the icons to access the corresponding analysis page. The icons will light up at each corresponding page.

3

On the right side of the screen, there are icons leading to BSC's official website, Facebook and Zalo.

KIM – TECHNICAL ANALYSIS ASSISTANT

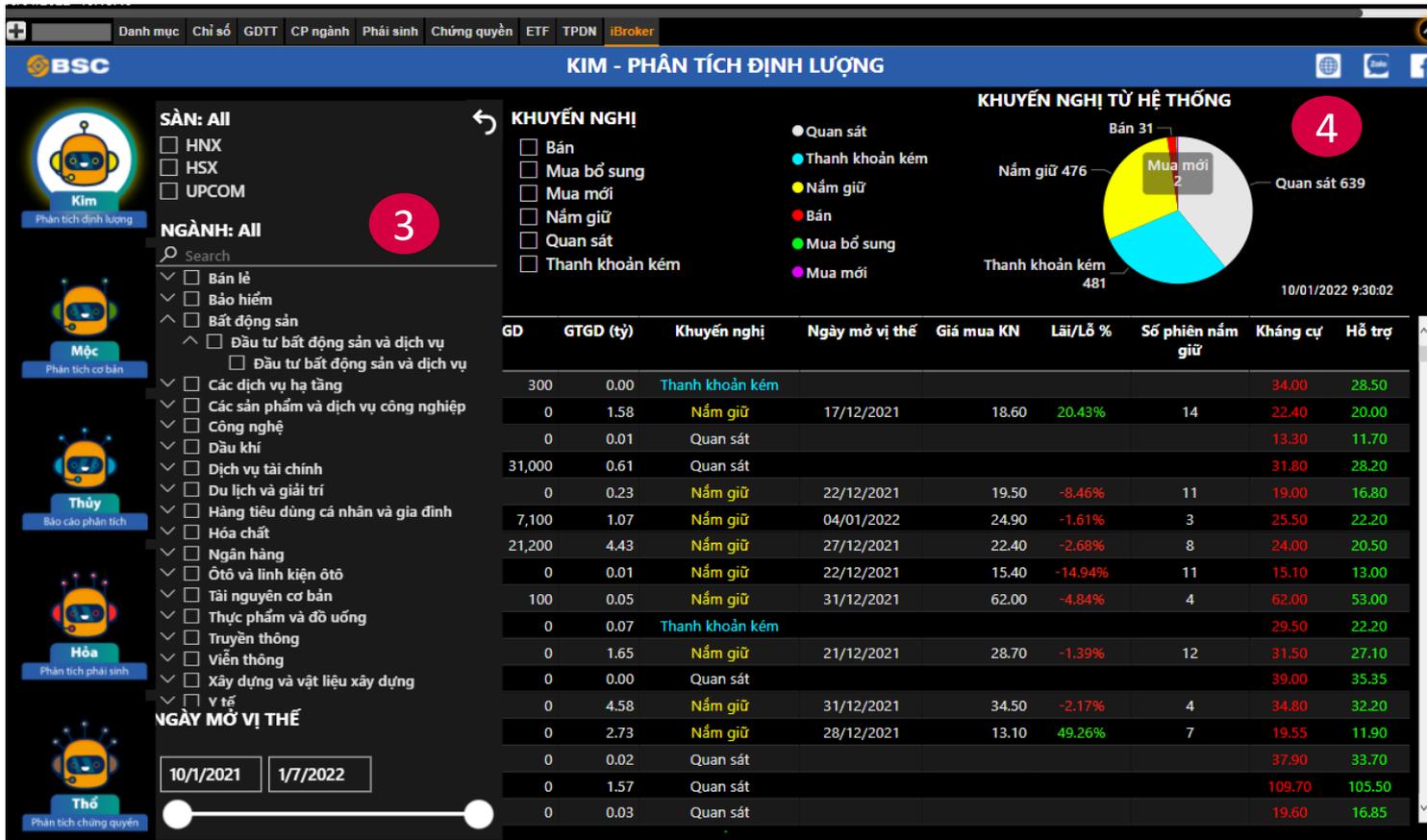


Customers use the on-screen filter to perform a search according to the following criteria:

- 1 Stock code: hold Ctrl to select multiple stock symbols or as default, select all stock symbols
- 1 Recommendation: hold Ctrl to select multiple criteria
- 1 Trading volume: drag and drop the slider or enter data into 2 corresponding cells to filter data

2 Or use advanced filters to add search criteria

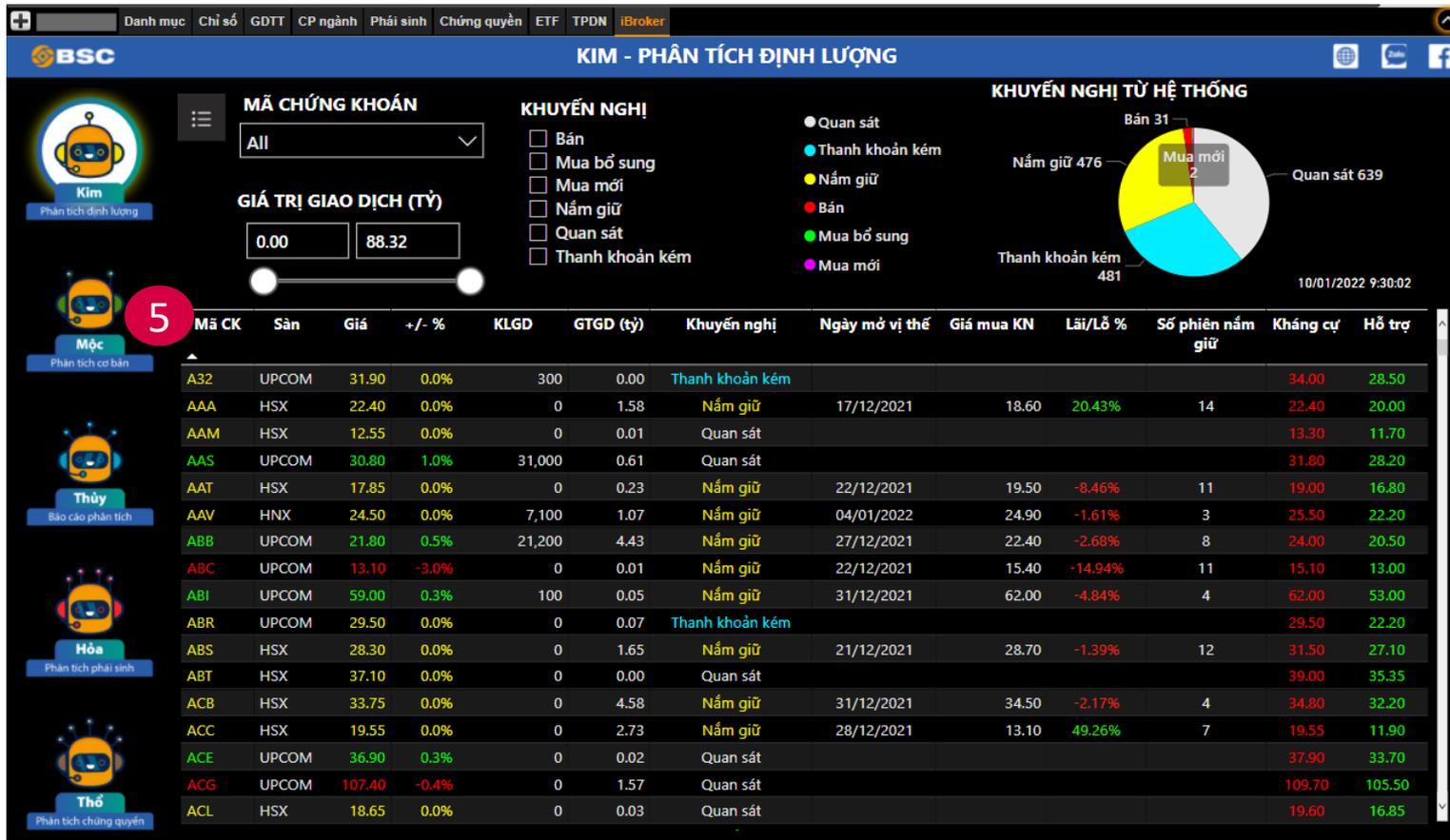
KIM – TECHNICAL ANALYSIS ASSISTANT



3 Advanced filters support customers to filter according to additional criteria such as: Exchange, Industry, Position Opening Date. The sub-sector filter in iBroker's advanced filter details to the level 4 ICB industry. Customers can click on the down arrow to choose a narrower industry level.

4 At iBroker's performance chart, investors can select the corresponding section to display information in the table as a way of filtering data. For example, "Sell" (red part) to show all the selling recommendations.

KIM – TECHNICAL ANALYSIS ASSISTANT



At the table showing the results, the investor can find the information:

- The basic information: stock code, exchange, trading quantity, trading volume, closest price, the closest support and resistance of the stock.
- Recommendations according to iBroker Kim's Technical Analysis: Buy, Buy (Additional), Hold, Sell, Observe, Poor Liquidity.
- Information about the position opening date, recommended buy price, P&L, number of days held if the stock code has been recommended by the iBroker Kim before.

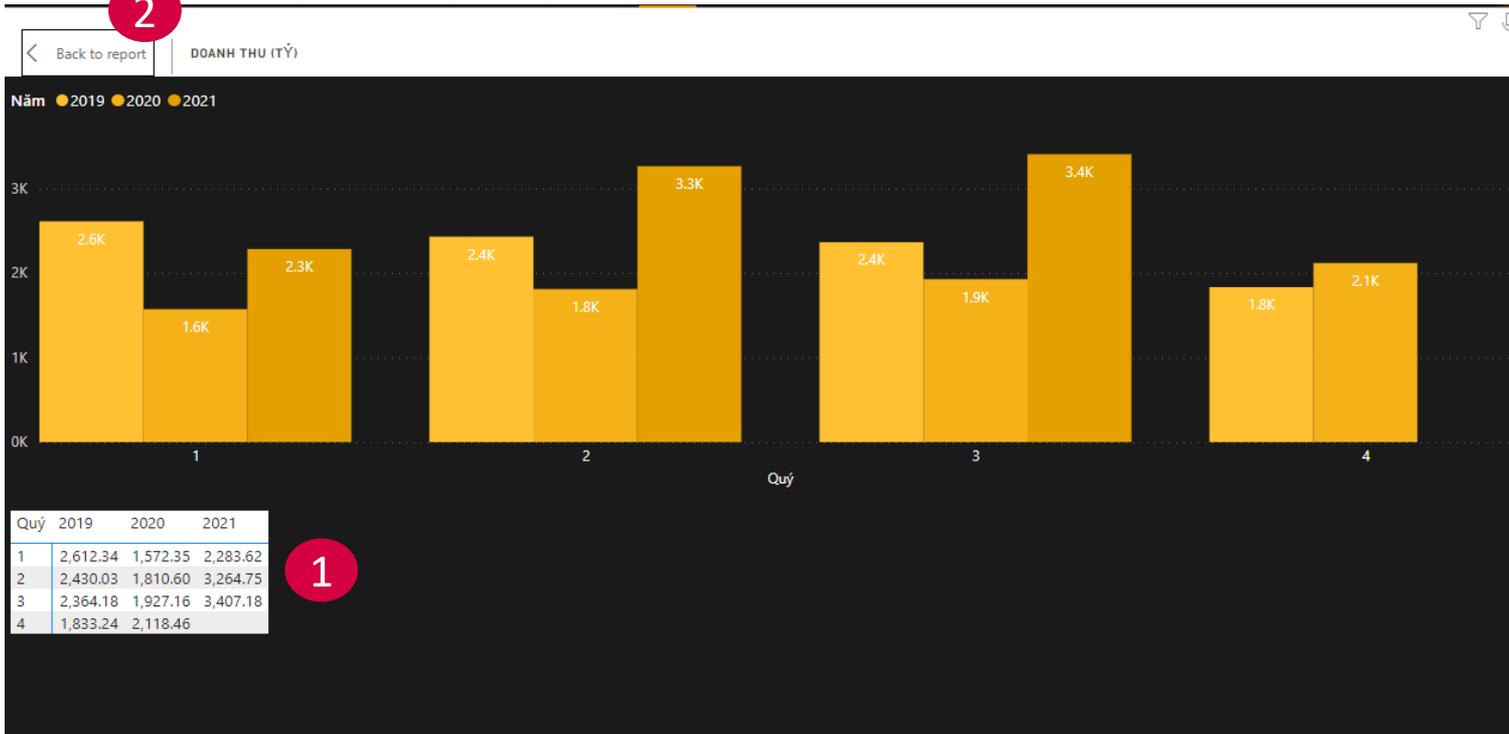
MỘC – FUNDAMENTAL ANALYSIS ASSISTANT



- 1 Customers enter the stock code for fundamental information
- 2 The graph provides an overview of the operation of the corporation in the last 3 years.
- 3 Use the chart zoom function to view the full-screen chart.
- 4 Mộc assistant provides indicators matching the characteristics of the industry. Financial indicators are updated quarterly..

MỘC – FUNDAMENTAL ANALYSIS ASSISTANT

2



1 At the zoom-out chart screen, customers click the left mouse in the background and selects "Display table form" to refer to the original data.

2 Click the back arrow to return to the main analysis screen

THỦY – REPORTING ANALYSIS ASSISTANT

BSC THỦY - BÁO CÁO PHÂN TÍCH

MÃ CHỨNG KHOÁN
All

KHUYẾN NGHỊ
 BÁN
 KHẢ QUAN
 MUA
 NẮM GIỮ
 THEO DÕI

Mã	Ngày báo cáo	Khuyến nghị	Giá mục tiêu	Giá đóng cửa (ngày báo cáo)	Giá đóng cửa gần nhất	Đur địa tăng (%)	% so với ngày báo cáo	Link báo cáo
CTD	06/12/2021	MUA	97.90	76.00	88.80	10.25%	16.84%	Link
ITC	29/11/2021	MUA	27.40	22.60	23.70	15.61%	4.87%	Link
TCĐ	29/11/2021	MUA	25.79	22.28	24.90	3.57%	11.78%	Link
PNJ	25/11/2021	MUA	125.32	103.45	93.80	33.60%	-9.33%	Link
MWG	23/11/2021	KHẢ QUAN	154.40	143.00	132.60	16.44%	-7.27%	Link
SZC	23/11/2021	MUA	62.70	53.40	64.80	-3.24%	21.35%	Link
NLG	15/11/2021	KHẢ QUAN	59.53	59.53	64.30	-7.42%	8.02%	Link
BSR	04/11/2021	MUA	28.40	23.80	21.70	30.88%	-8.82%	Link
MCM	22/10/2021	KHẢ QUAN	74.52	66.57	59.70	24.83%	-10.32%	Link
ELC	19/10/2021			30.00	27.55		-8.17%	Link
IDC	15/10/2021	KHẢ QUAN		57.79	80.10		38.60%	Link
ITD	07/10/2021	MUA		22.30	18.15		-18.61%	Link
VHC	05/10/2021	MUA		54.70	64.30		17.55%	Link
STK	01/10/2021	KHẢ QUAN		49.75	58.70		17.99%	Link
TNG	01/10/2021	KHẢ QUAN		27.20	33.90		24.63%	Link
GAS	29/09/2021	MUA		96.80	95.40		-1.45%	Link
PVT	28/09/2021	KHẢ QUAN		22.44	23.50		4.72%	Link
TAR	28/09/2021	THEO DÕI		25.00	42.80		71.20%	Link
SGP	23/09/2021	THEO DÕI		35.50	35.20		-0.85%	Link
ACB	20/09/2021	MUA		32.10	32.90		2.49%	Link
CTG	20/09/2021	KHẢ QUAN		31.09	32.55		4.70%	Link
TCB	20/09/2021	MUA		50.70	49.25		-2.86%	Link
TPB	20/09/2021	MUA		29.70	38.80		30.62%	Link
ITD	17/09/2021	MUA	28.10	21.10	18.15	54.82%	-13.98%	Link

NỘI DUNG BÁO CÁO

CTD_Sau cơn mưa trời lại sáng_06/12/2021
Analyst: Phan Quốc Bửu
__LUẬN ĐIỂM ĐẦU TƯ__
Tái cấu trúc doanh nghiệp bắt đầu cho thấy thành quả vào năm 2022
Giá trị hợp đồng ký mới cao, phục hồi từ mức nền thấp và biên lợi nhuận được cải thiện.
Định giá hấp dẫn so với ngành.
__CẬP NHẬT KẾT QUẢ KINH DOANH__
KQKD 9T2021: DTT của CTD đạt 6,189 tỷ đồng (-39.9% YoY) – hoàn thành 56% kế hoạch năm 2021 và LNST đạt 87 tỷ đồng (-76% YoY) – hoàn thành 46% kế hoạch năm 2021 được hỗ trợ chính bởi doanh thu tài chính ổn định. KQKD cốt lõi của CTD kém tích cực bởi vì (1) dịch bệnh đã ảnh hưởng mạnh đến công tác thi công công trình tại các tỉnh thành phía Nam, (2) backlog chuyển sang từ 2020 là không cao (đạt 9,000 tỷ đồng, -57% YoY), (3) biên lợi nhuận gộp giảm (4.4% trong 9T/2021 so với 5.9% cùng kỳ năm trước) do giá nguyên vật liệu tăng cao và áp lực cạnh tranh lớn, (4) chi phí dự phòng phải thu ngắn hạn khó đòi cao gấp 12.3 lần so với cùng kỳ năm 2020.
__RỦI RO__
Dịch bệnh Covid-19 sẽ ảnh hưởng đến công tác thi công xây dựng.
Giá thành nguyên vật liệu tăng cao.
Rủi cho chi phí trích lập dự phòng đến từ các khoản phải thu các dự án từ thời Ban lãnh đạo cũ.
__DỰ BÁO KẾT QUẢ KINH DOANH__
BSC dự báo DTT và LNST năm 2022 của CTD lần lượt đạt 16,118 tỷ đồng (+61% YoY) và 716 tỷ đồng (+230% YoY), EPS fw=9,026 đồng và P/E fw=8.5, P/B fw=0.67

- 1 Customers use the on-screen filter to filter according to the Stock Code and fundamental analysis recommendations
- 2 Thủy Assistant is also equipped with advanced filtering.
- 3 Key information such as: Reporting date, Recommendation, Target price, analysis report link is provided in the summary table. Reports are sorted by reporting date.
- 4 Investors can click on each line at the summary table to read the Detailed Report in the right frame. The contents of the report include: Valuation, Investment Theme, Update of business results, Investment risk.

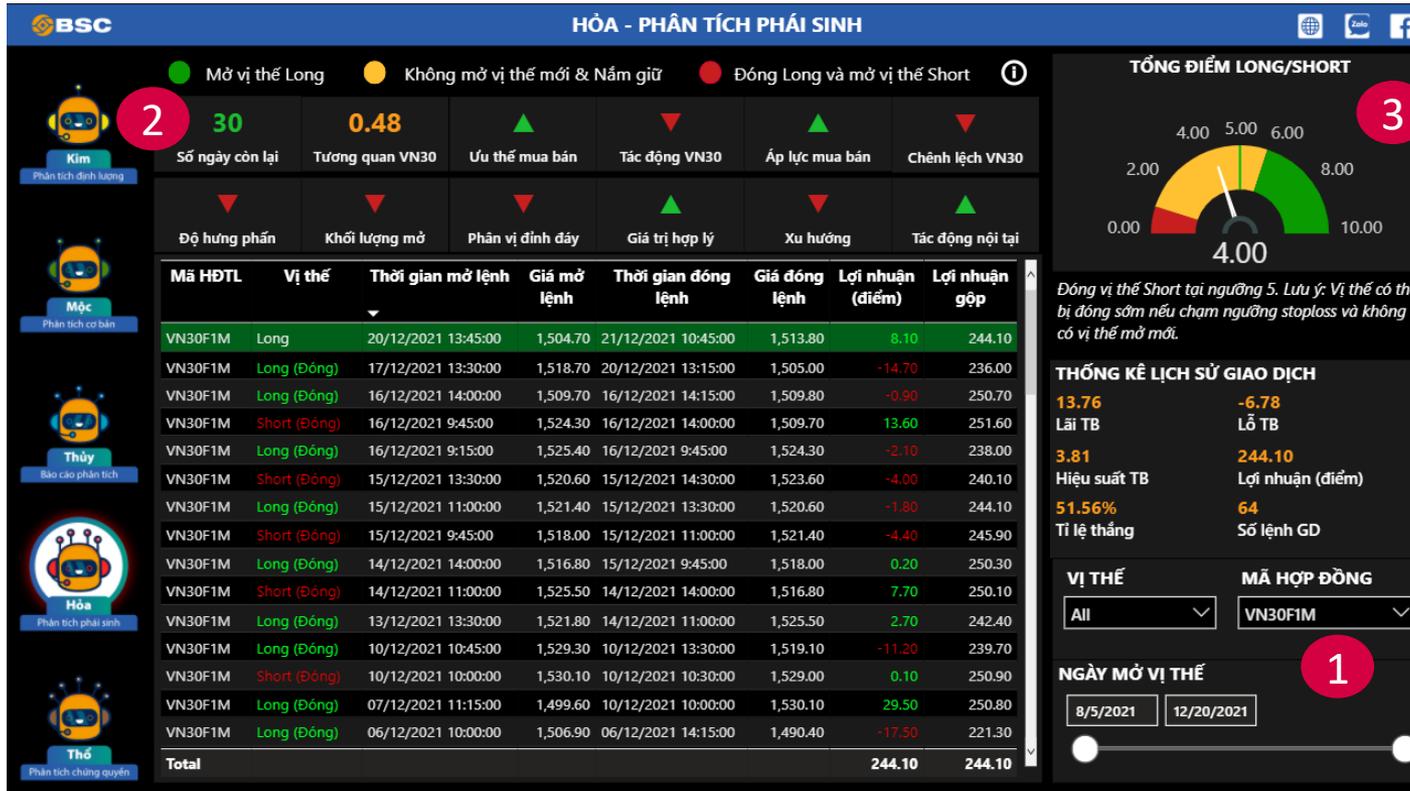
THỦY – REPORTING ANALYSIS ASSISTANT

The screenshot displays the THỦY - BÁO CÁO PHÂN TÍCH interface. On the left, there are filter sections for 'SÀN: All' (listing HNX, HSX, UPCOM), 'NGÀNH: All' (listing various industries like Bất động sản, Công nghệ, etc.), and 'CHUYÊN VIÊN PHÂN TÍCH' (listing analyst names like Dương Quang Minh, Lê Hữu Ngọc, etc.). A red circle with the number '1' highlights the 'SÀN: All' filter. The main table shows analyst recommendations with columns for 'Giá đóng cửa gần nhất', 'Đur địa tăng (%)', '% so với ngày báo cáo', and 'Link báo cáo'. The table lists 15 entries with varying price changes and percentages. On the right, the 'NỘI DUNG BÁO CÁO' section shows the report title 'HAX_HAX_MUA_TP 37,000 VND Upside 27%_HÀNG XANH_BSC Company Report_06/01/2022', the analyst name 'Lê Hữu Ngọc', and the title 'ĐỊNH GIÁ'. The report content includes a recommendation to 'MUA' (Buy) for HAX stock, a 'LUẬN ĐIỂM ĐẦU TƯ' (Investment Thesis) section, and a 'RỦI RO' (Risk) section.

	Giá đóng cửa gần nhất	Đur địa tăng (%)	% so với ngày báo cáo	Link báo cáo
	29.90	23.75%	0.00%	Link
	33.75		2.27%	
	34.00		3.34%	
	28.35		0.71%	
	27.65		2.03%	
	49.90		2.04%	
	42.00		7.01%	
	46.70		6.99%	
	35.15		2.63%	
	113.40	-13.67%	49.21%	Link
	24.85	10.26%	9.96%	Link
	26.10	-1.19%	17.17%	Link
	94.60	32.47%	-8.56%	Link
	137.50	12.29%	-3.85%	Link
	72.50	-13.52%	35.77%	Link
	64.50	-7.71%	8.35%	Link
	24.50	15.92%	2.94%	Link
	55.00	35.50%	-17.38%	
	26.00		-13.33%	
	71.20		23.20%	
	17.40		-21.97%	
	67.00		26.26%	

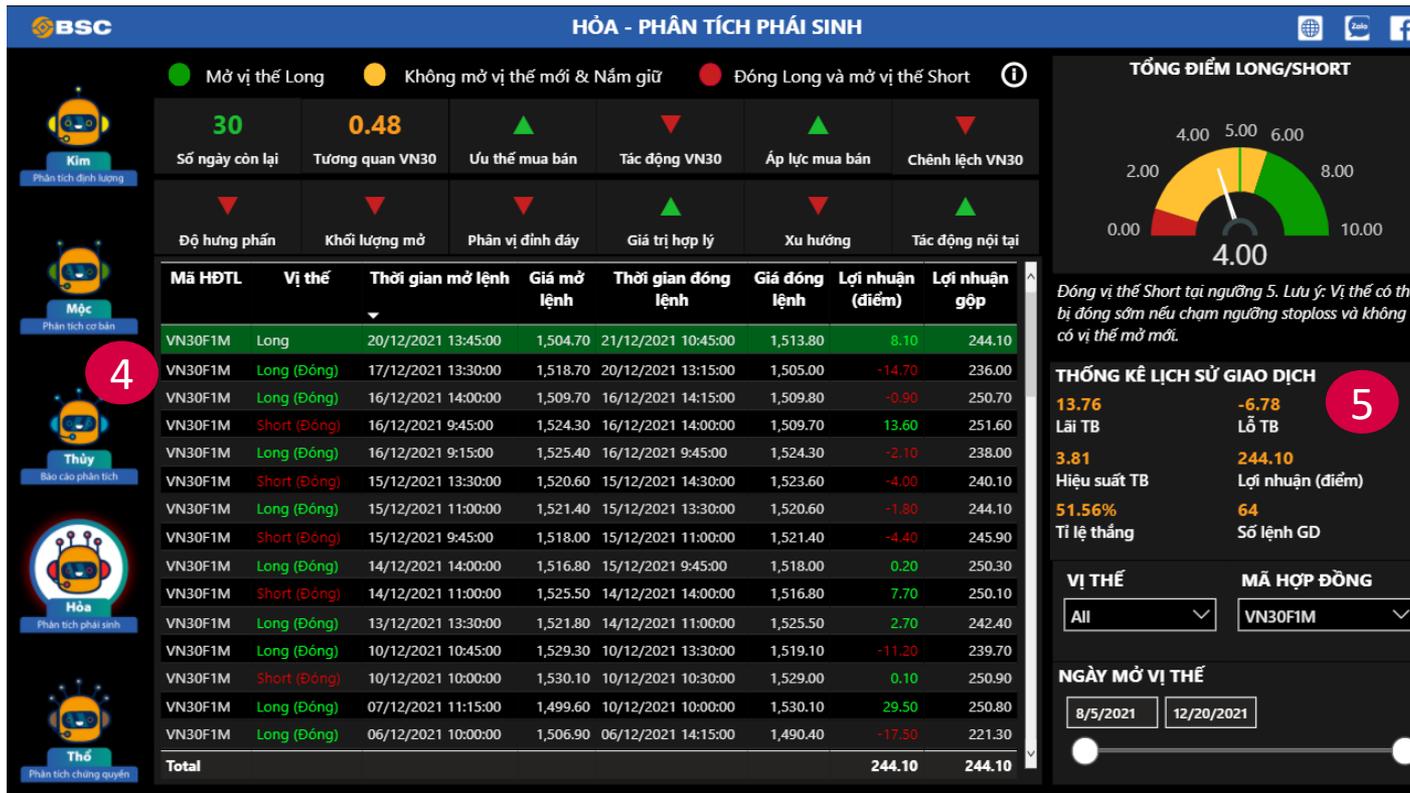
1 In the advanced filter of Thủy Assistant, investors can search according to the Exchange, the ICB Industry (similar to Kim Assistant), and the name of the BSC Analyst.

HỎA – DERIVATIVES ANALYSIS ASSISTANT



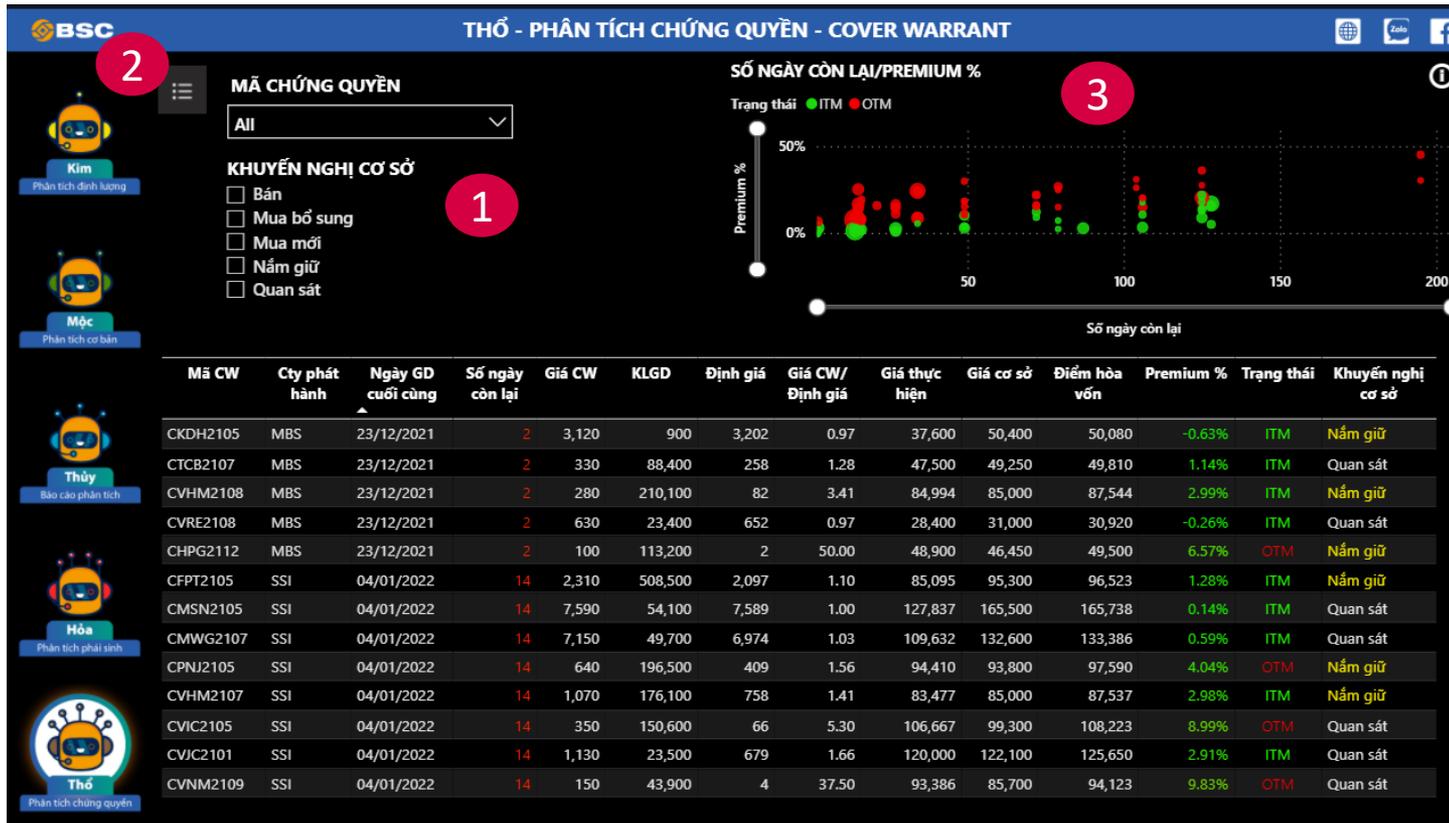
- 1 Customers use the on-screen filter to perform searching according to the following criteria: Contract Code, Position, Position Opening Date.
- 2 A summary of the 10 factors affecting the derivatives contract price is represented by an up or down triangle corresponding to the long or short recommendation with the corresponding criteria.
- 3 On the Signal Clock, the clock hand represents a composite score from 10 criteria. The recommendation corresponds to the Long/Short points when the hand reaches the **Green** (Open Long position), **Yellow** (Hold), and **Red** (Close Long & Open short position).

HỎA – DERIVATIVES ANALYSIS ASSISTANT



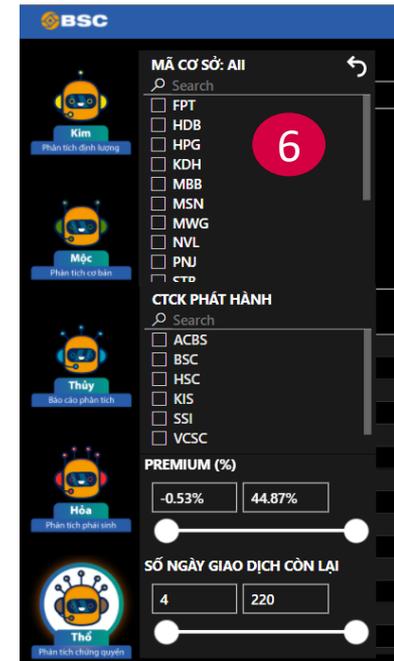
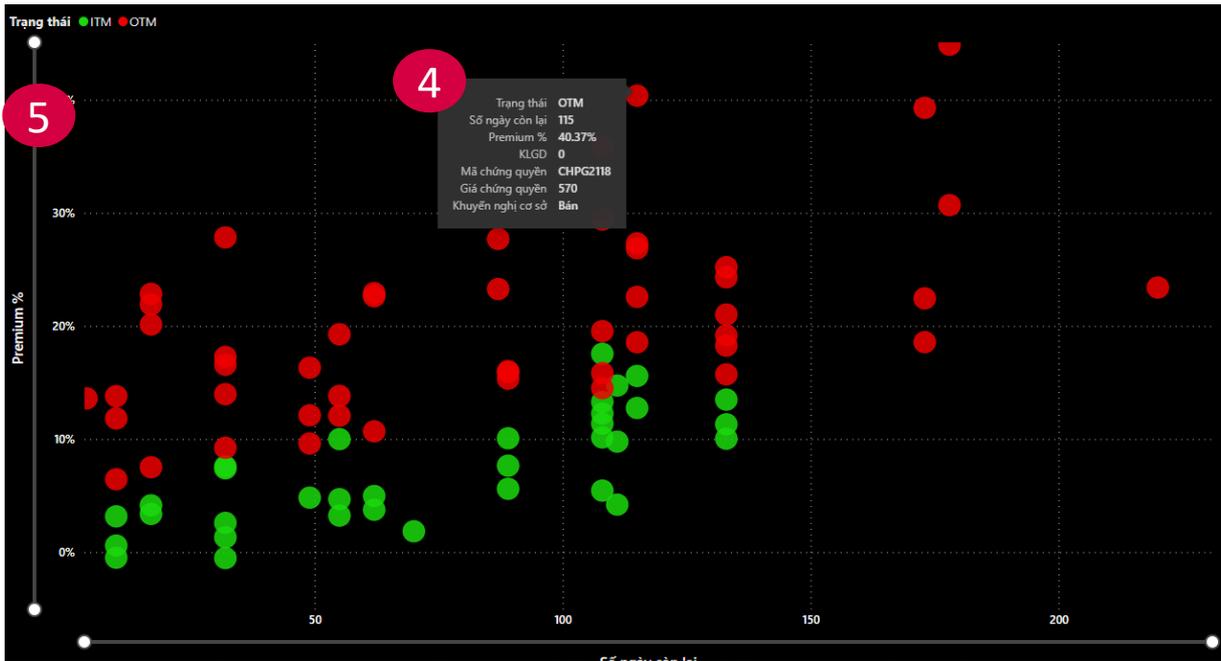
- Customers can look up the previous trades of the system in the trade summary table in the last 4 months with the following information: Contract Code, Opening time, Opening price, Closing time, Closing price, Profit of the trade. The trades are arranged in chronological order.
- Trading history performance following the signals of Hỏa iBroker with the selected futures contract code, during the selection period.

THỔ – COVERED WARRANT ANALYSIS ASSISTANT



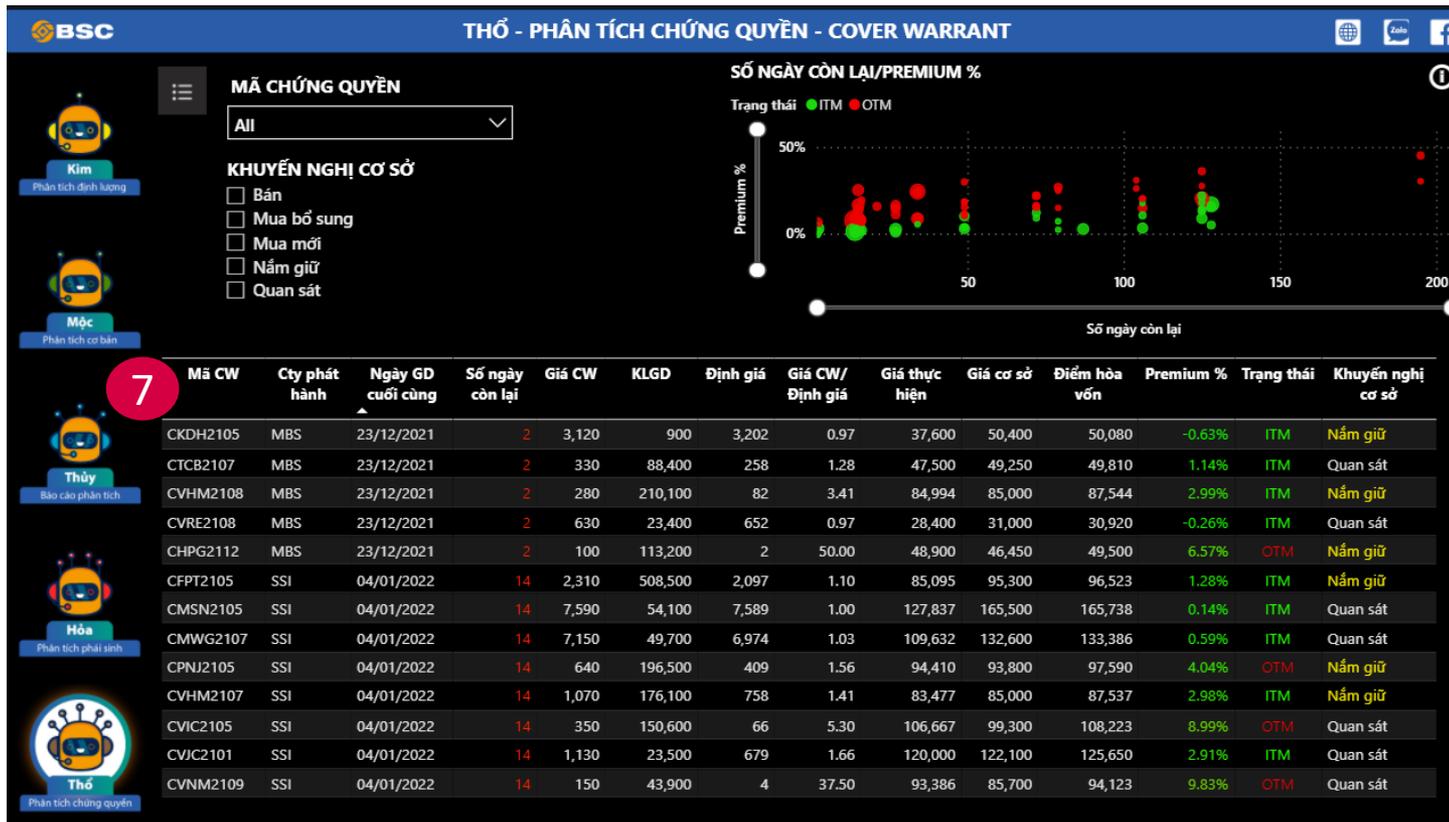
- 1 Customers use the on-screen filter to search according to the following criteria: covered warrant ticker, recommendations of the underlying stock
- 2 THỔ assistant is also equipped with advanced filtering.
- 3 The chart section shows all the covered warrants selected according to the relationship between the remaining days to maturity, and %Premium (Breakeven Point vs. Underlying Stock Price). The size of the round dot corresponds to the volume of the covered warrant.

THỔ – COVERED WARRANT ANALYSIS ASSISTANT



- 4 In the chart section, customers can zoom out to see the full-screen chart. When selecting each round dot, customers can refer to the summary information of the corresponding covered warrant such as: Covered Warrant Ticker, Status, days to maturity, Premium (5), Volume, Covered Warrant Price, Recommendation of the underlying asset.
- 5 Customers can slide 2 axes of the chart to perform filtering according to Premium (Y axis) and Days to maturity (X axis)
- 6 Or use the advanced search to perform filtering according to the criteria: Underlying Stock Ticker, Issuer, Premium (%), days to maturity

THỔ – COVERED WARRANT ANALYSIS ASSISTANT



In the summary table, customers can view information about the covered warrant, including:

- General information of the CW, valuation according to the Black-Scholes model, break-even point, premium %, status.
- Recommendation of the underlying stock: like Kim's recommendation for the corresponding underlying stock

SKYPE CHATBOT – REPORTING ANALYSIS

BSC, 10:01 AM

TIN NHẮN TỰ ĐỘNG TỪ BSC PTNC CHATBOT

MWG-MUA-182,200-Tiếp đà tăng trưởng

ĐỊNH GIÁ
So với báo cáo khuyến nghị MUA gần nhất ngày 23/11/2021 và khuyến nghị trong báo cáo chiến lược 2022, BSC tiếp tục duy trì khuyến nghị MUA và đưa ra giá mục tiêu dự phóng năm 2022 là 182,200VND (upside +35.7% so với mức giá ngày 07/03/2022) dựa trên hai phương pháp P/E (50%) và DCF (50%).

LUẬN ĐIỂM ĐẦU TƯ

- Mở rộng biên lợi nhuận gộp sẽ là yếu tố hỗ trợ chính cho tăng trưởng lợi nhuận của MWG năm 2022.
- Tối ưu hóa Bách Hóa Xanh tiếp tục tiến dần về mức hòa vốn và dự kiến đạt điểm hòa vốn trong nửa cuối năm 2022.
- MWG được chấp nhận định giá giao dịch ở mức PE cao hơn khi BHX đạt mức hòa vốn.
- Tìm kiếm cơ hội mở rộng tăng trưởng doanh thu từ các chuỗi mới như Topzone, chuỗi AVAKids – AVASport – AVAFashion – AVAJi – AVACycle.

DỰ BÁO KQKD

- 2022: BSC ước tính DT và LNST ước đạt lần lượt 140,579 tỷ đồng (+14.3% YoY) và 6,501 tỷ đồng (+33% YoY). EPS FW 2022 = 9,118 đồng, PE FW 2022 = 14.9 lần
- 2023: DTT và LNST của MWG ước đạt lần lượt 161,690 tỷ đồng (+15% YoY) và 8,319 tỷ đồng (+28% YoY). EPS FW 2023 = 11,666 đồng, PE FW 2023 = 11.6 lần.

CẬP NHẬT KQKD

MWG vẫn ghi nhận tăng trưởng dương và vượt kế hoạch lợi nhuận đề ra trong bối cảnh dịch bệnh diễn biến phức tạp. Doanh thu và lợi nhuận MWG lần lượt đạt 124,142 tỷ đồng (+13.3% YoY) và 4,898 tỷ đồng (+25% YoY).

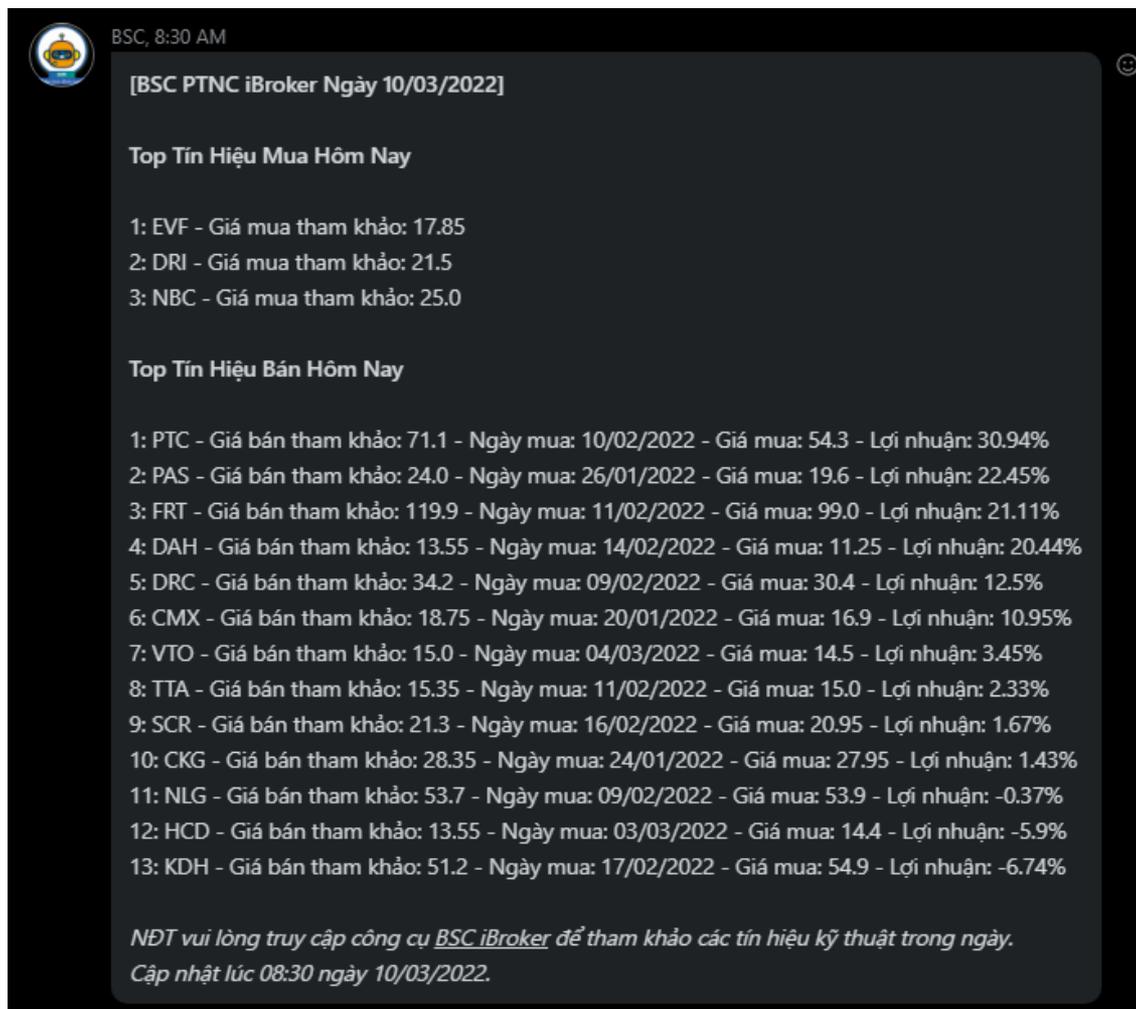
RỦI RO

- Rủi ro về khả năng hồi phục sức mua sau dịch Covid-19
- Tốc độ tăng trưởng doanh thu chậm đối với các cửa hàng khu vực tỉnh và khả năng tối ưu hóa chi phí chưa đạt kỳ vọng

Xem chi tiết tại: <https://www.bsc.com.vn/Report/ReportFile/3304545>

- ❖ Everyday at 10:00, 14:00, 16:30, Chatbot will send the latest analysis reports that analysts have updated to the system (if any).
- ❖ The content of the report is similar to the content displayed in Thủy iBroker.
- ❖ Currently, the Research Department has deployed chatbot to send messages to the BSC Research & Broker Team.

SKYPE CHATBOT – TRADING SIGNALS



BSC, 8:30 AM

[BSC PTNC iBroker Ngày 10/03/2022]

Top Tín Hiệu Mua Hôm Nay

- 1: EVF - Giá mua tham khảo: 17.85
- 2: DRI - Giá mua tham khảo: 21.5
- 3: NBC - Giá mua tham khảo: 25.0

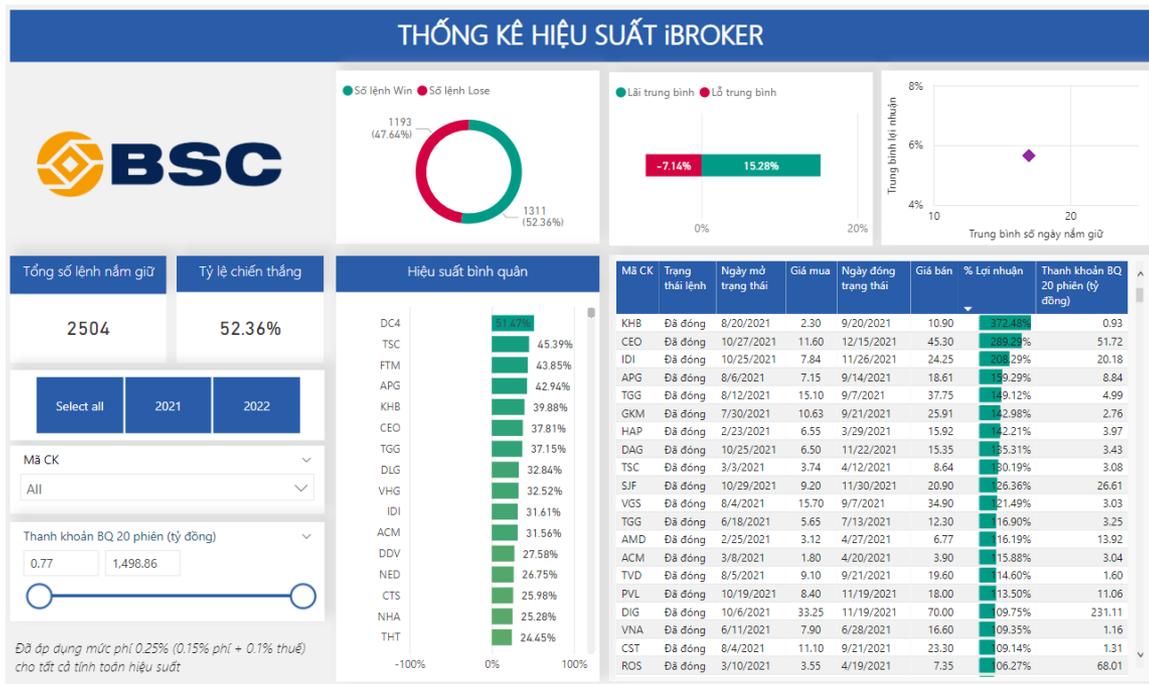
Top Tín Hiệu Bán Hôm Nay

- 1: PTC - Giá bán tham khảo: 71.1 - Ngày mua: 10/02/2022 - Giá mua: 54.3 - Lợi nhuận: 30.94%
- 2: PAS - Giá bán tham khảo: 24.0 - Ngày mua: 26/01/2022 - Giá mua: 19.6 - Lợi nhuận: 22.45%
- 3: FRT - Giá bán tham khảo: 119.9 - Ngày mua: 11/02/2022 - Giá mua: 99.0 - Lợi nhuận: 21.11%
- 4: DAH - Giá bán tham khảo: 13.55 - Ngày mua: 14/02/2022 - Giá mua: 11.25 - Lợi nhuận: 20.44%
- 5: DRC - Giá bán tham khảo: 34.2 - Ngày mua: 09/02/2022 - Giá mua: 30.4 - Lợi nhuận: 12.5%
- 6: CMX - Giá bán tham khảo: 18.75 - Ngày mua: 20/01/2022 - Giá mua: 16.9 - Lợi nhuận: 10.95%
- 7: VTO - Giá bán tham khảo: 15.0 - Ngày mua: 04/03/2022 - Giá mua: 14.5 - Lợi nhuận: 3.45%
- 8: TTA - Giá bán tham khảo: 15.35 - Ngày mua: 11/02/2022 - Giá mua: 15.0 - Lợi nhuận: 2.33%
- 9: SCR - Giá bán tham khảo: 21.3 - Ngày mua: 16/02/2022 - Giá mua: 20.95 - Lợi nhuận: 1.67%
- 10: CKG - Giá bán tham khảo: 28.35 - Ngày mua: 24/01/2022 - Giá mua: 27.95 - Lợi nhuận: 1.43%
- 11: NLG - Giá bán tham khảo: 53.7 - Ngày mua: 09/02/2022 - Giá mua: 53.9 - Lợi nhuận: -0.37%
- 12: HCD - Giá bán tham khảo: 13.55 - Ngày mua: 03/03/2022 - Giá mua: 14.4 - Lợi nhuận: -5.9%
- 13: KDH - Giá bán tham khảo: 51.2 - Ngày mua: 17/02/2022 - Giá mua: 54.9 - Lợi nhuận: -6.74%

*NĐT vui lòng truy cập công cụ [BSC iBroker](#) để tham khảo các tín hiệu kỹ thuật trong ngày.
Cập nhật lúc 08:30 ngày 10/03/2022.*

- ❖ At 8:30 a.m. on trading days, Chatbot will automatically send buy and sell signals formed after the previous trading day.
- ❖ Buy and Sell signals are from the iBroker Kim system.
- ❖ Chatbot will only send up to 5 new BUY signals with the reference price being the closing price of the last trading session. Under unfavorable market conditions, chatbot may send fewer than 5 signals.
- ❖ Chatbot does not limit the number of SELL signals sent, but it only generates the sell signals for the tickers that already had BUY signals before.

iBroker Mobile and iBroker Kim Trading Performance (Expected)



- ❖ iBroker trading performance allows viewers to refer to the effectiveness of the system's recommendations, sorting by stock ticker or by time horizon.
- ❖ It is expected to launch an official version integrated into the iBroker system by the end of March.

- ❖ The iBroker mobile version is under construction and is expected to launch at the end of March.

APPENDIX 1 – EXPLANATION OF IBROKER KIM RECOMMENDATIONS

RECOMMENDATION	EXPLANATION
Buy (New)	There are new buying signals for the stock in the current trading session. Customers can open new buy positions at the recommended price.
Buy (Additional)	The stock had a buy signal in the past (the first buying day is at the "Position Opening Date" column) and now is having a new buy signal. Investors can buy additionally to the current position or start a new buy.
Hold	The stock had a buy signal in the past and the current technical condition has not changed. Investors with opening position can still continue to hold. Do not recommend new buy for investors have not got the position yet.
Observe	There were no buy (new) signals for the stock in the past. Investors will temporarily stay and observe the stock movement.
Poor liquidity	The stock has poor liquidity, and is not favorable for trading. At the moment, the system does not make recommendations to the stock.
Sell	The stock is having a sell signal. Investors holding position should consider selling. Investors without position will temporarily stay and observe the stock movement.

APPENDIX 2 – LIST OF FINANCIAL INDICATORS FOR IBROKER MỘC

CRITERIA GROUP	CRITERIA	INDUSTRY APPLICABLE
Leverage Ratio	Debt / Equity	Non-financial
	Long-term Debt / Equity	Non-financial
Operating Result	Earning before tax last 12 months (Bil)	All
	Earning after tax last 12 months (Bil)	All
	Revenue last 12 months (Bil)	All
	Net interest income last 12 months (Bil)	Banks
Growth Rate	Earning before tax Growth Rate last 12 months	All
	Earning after tax Growth Rate last 12 months	All
	Revenue Growth Rate last 3 years (CAGR)	All
	Revenue Growth Rate last 12 months	All
	Net interest income Growth Rate last 12 months	Banks
	Net interest income average Growth Rate last 3 years	Banks

APPENDIX 2 – LIST OF FINANCIAL INDICATORS FOR IBROKER MỘC

CRITERIA GROUP	CRITERIA	INDUSTRY APPLICABLE
Profitability	ROE	All
	ROA	All
	NIM	Bank
	Net profit margin	All except Banks
	Gross profit margin	All except Banks
Valuation	P/E	All
	P/B	All
	EPS last 4 quarters	All
Asset Quality	Credit risk provision/Total outstanding debt	Bank
Liquidity	Loan to Deposit Ratio (LDR)	Bank
Financial Health	Outstanding loans/equity	Securities Company

APPENDIX 3 – EXPLANATION OF IBROKER HỎA ELEMENT

ELEMENTS	EXPLANATION
Advantages of buying and selling	<p>Up: The price of the futures contract is closer to support than resistance</p> <p>Down: The price of the futures contract is closer to resistance than support</p>
VN30 Impact	<p>Up: The correlation between VN30 and the futures contract is supporting the upside</p> <p>Down: Contrary to the Upside</p>
VN30 Gap	<p>Up: The price of the contract is lower than the price of VN30 (discount status), in favor of the upside.</p> <p>Down: The price of the contract is higher than the price of VN30 (premium status), in favor of the downside.</p>
Sentiment	<p>Up: The sentiment is supporting the upside</p> <p>Down: The sentiment is supporting the downside</p>
Fair value	<p>Up: The price of the futures contract is lower than the valuation based on iBroker model, supporting upside</p> <p>Down: The price of the futures contract is higher than the valuation based on iBroker model, supporting downside</p>

APPENDIX 3 – EXPLANATION OF IBROKER HỎA ELEMENT

ELEMENT	EXPLANATION
Buy/Sell Power	<p>Up: The futures contract price is at the top/bottom => possibility to reverse, supporting upside</p> <p>Down: The futures contract price is at sideways => supporting downside</p>
Top/Bottom Grade	<p>Up: When the futures contract price reach the lowest in the last 5 trading hours and reverse when the futures contract price reach the highest in the last 5 trading hours</p> <p>Down: As opposed to Upside</p>
Trend	<p>Up: The correlation between VN30 and the futures contract is increasing, supporting upside</p> <p>Down: As opposed to Upside</p>
Internal Impact	<p>Up: The change in the slope of the futures contract price, in combination with an increase in volume, will support the upside</p> <p>Down: As opposed to Upside</p>
Open Interest (OI)	<p>Up: the OI number is increasing</p> <p>Down: the OI number is decreasing</p>