

# TFEX Daily

14 กุมภาพันธ์ 2566

S50H23

แผนเทรด...รีบาวด์เน้นฝั่งขาย "Short"

Gold spot

ปิด Long / เปิด Short บริเวณโซนต้าน

"แผนเทรด ขาลง Sideway down

# S50H23

แผนเทรด......sideway (down) แต่! เริ่มเด้ง!

มุมมอง: ดัชนีหลุด Low ทำจุดต่ำสุดในรอบ 3 สัปดาห์ แต่เริ่มรีบาวด์ขึ้น เล็กน้อย อย่างไรก็ตาม RSI บ่งขี้โครงสร้างอ่อนแอ Bearish signal

แผนเทรด.... เน้นฝั่งขาย รอจังหวะรีบาวด์แนะเปิด Short บริเวณโชน ต้าน 988-990 รับ 976

Note: หากดัชนีขึ้นเกินโชนต้านหรือมากกว่า 995 แนะปิดสถานะขาย ในทางตรงข้ามสถานะซื้อแนะปิดเพื่อลดความเสี่ยงหากดัชนีปรับตัวลง ต่อเนื่อง

# "โครงสร้างเสี่ยงหลุด Low"

# Gold spot

## จับสัญญาณเ ทร ค.... ทองคำ

มุมมอง: Gold spot ปรับตัวลงหลุด low ในรอบสัปดาห์ที่ \$1,858/ออนซ์ ล่าสุดฟื้นตัวขึ้นเล็กน้อยอย่างไรก็ตาม MACD บ่งชี้โครงสร้างอ่อนแอ

แผน ทรด... สถานะซื้อแนะปิดเพื่อป้องกันความเสี่ยงขาลง มองกรอบโชนรับอยู่ที่ \$1830/ออนซ์ (EMA 75 days) ในทางตรงกันข้ามสถานะขายแนะทยอยเปิด "Short"

Note: แผนปิดความเสี่ยง...หากผลตอบแทนติดลบมากกว่า 10% ของพอร์ต แนะ ขายปิดสถานะ

### วิกิจ ถรวรรณรัตน์

นักวิเคราะห์การลงทุนปัจจัยพื้นฐานด้านตลาดทุน/ปัจจัยทางเทคนิค Wikij.tir@bualuang.co.th Tel. (662) 618-1336 S50H23: รับ 976 ต้าน 988-990 GFG23: รับ 29,500 ต้าน 30,500

## มุมมองทางเทคนิค โดย คุณธนรัตน์ อิศรกุล

นักวิเคราะห์การลงทุนปัจจัยพื้นฐานด้านหลักทรัพย์และปัจจัยทางเทคนิค Thanarut@bualuang.co.th Tel. (662) 618-1334





SET50 Index Eutures



หลักทรัพย์	เปิด	สูงสุด	ต่ำ สุด	ปิด	เฉลี่ย	ราคาที่ใช้ชำระ ราคา	เปลี่ยนแปลง	ปริมาณ (สัญญา)	สถานะคงค้าง (สัญญา)
SET50	987.01	993.03	984.47	990.97	988.87	N/ A	1.87	N/ A	N/A
S50G23	986.00	992.50	984.4	990.40	990.20	990.40	2.7	31	122
S50H23	979.5	987.50	978.6	984.80	983.80	984.50	1.8	171,317	551,584
S50J23	979.3	985.70	979.3	984.40	984.20	984.40	1.4	14	151
S50M23	979	985.80	977.5	983.60	981.90	983.30	1.4	19,798	58,144
S50U23	976.5	982.20	974.8	980.20	979.40	980.20	1.9	2,705	23,755
S50Z23	976.8	982.10	974.4	980.00	979.40	979.90	1.7	3,578	13,460
Total								197,443	647,216

Source: SET Smart

Irading by Investo	Irading by Investor Type - 5E150 Index Futures										
5 วันย้อนหลัง											
	นักลง	ทุนต่างประเท	าศ	นักส	จงทุนสถาบัน		นักลงท	นภายในประเ	ทศ	รว	ม
วันที่		ปริมาณ			ปริมาณ			ปริมาณ		ปริมาณ	สถานะคงค้าง
	ชื่อ	ขาย	สุทธิ	ชื่อ	ขาย	สุทธิ	ชื่อ	ขาย	สุทธิ	אזו ונונ	NETTHOPINET
13/02/2023	84,713	62,540	22,173	32,890	35,171	-2,281	79,840	99,732	- 19,892	197,443	647,216
10/02/2023	60,337	79,773	- 19,436	28,598	29,261	-663	86,466	66,367	20,099	175,401	669,790
09/ 02/ 2023	67,932	90,955	-23,023	35,133	34,487	646	110,333	87,956	22,377	213,398	673,071
08/02/2023	65,924	106,625	-40,701	43,503	41,457	2,046	142,959	104,304	38,655	252,386	666,118
07/ 02/ 2023	66,097	74,802	-8,705	39,774	37,629	2,145	106,425	99,865	6,560	212,296	646,019

## 4 เดือนย้อนหลัง

	นักลง	นักลงทุนต่างประเทศ			จงทุนสถาบัน		นักลงทุนภายในประเทศ			รวม	
วันที่		ปริมาณ		ปริมาณ ปริมาณ				ปริมาณ		ปริมาณ	สถานะคงค้าง
	ชื่อ	ขาย	สุทธิ	ชื่อ	ขาย	สุทธิ	ชื่อ	ขาย	สุทธิ	1134 166	MEI TROPIO PI TO
ก.พ. 2023	630,178	688,253	- 58,075	315,565	315,167	398	889,218	831,541	57,677	1,834,961	647,216
ม.ค. 2023	1,346,543	1,446,322	- 99,779	678,348	675,116	3,232	1,994,379	1,897,832	96,547	4,019,270	673,734
ธ.ค. 2022	2,179,936	2,239,881	-59,945	738,467	749,419	-10,952	1,946,510	1,875,613	70,897	4,864,913	563,223
พ.ย. 2022	1,855,239	1,784,033	71,206	923,935	939,494	- 15,559	2,287,677	2,343,324	-55,647	5,066,851	541,457

# 4 ไตรมาสย้อนหลัง

	นักลง	นักลงทุนต่างประเทศ			นักลงทุนสถาบัน			ทุนภายในประเ	ทศ	รว	ม
วันที่		ปริมาณ ปริมาณ			ปริมาณ		ปริบาณ	สถานะคงค้าง			
	ชื่อ	ขาย	สุทธิ	ชื่อ	ขาย	สุทธิ	ชื่อ	ขาย	สุทธิ	חזו ונת	ลถานะคงคาง
Q1/2023	1,976,721	2,134,575	- 157,854	993,913	990,283	3,630	2,883,597	2,729,373	154,224	5,854,231	647,216
Q4/ 2022	5,773,579	5,666,820	106,759	2,433,982	2,462,801	-28,819	5,991,792	6,069,732	-77,940	14,199,353	563,223
Q3/2022	6,188,060	6,186,241	1,819	2,707,073	2,714,363	-7,290	6,950,031	6,944,560	5,471	15,845,164	495,136
Q2/2022	4,663,806	4,722,909	-59,103	2,045,996	2,038,871	7,125	5,380,581	5,328,603	51,978	12,090,383	414,186

Source: SET Smart

Metal Futures									
หลักทรัพย์	เปิด	สูง สุด	ต่ำ สุด	ปิด	เฉลี่ย	ราคาที่ใช้ชำระ ราคา	เปลี่ยนแปลง	ปริมาณ (สัญ ญา)	สถานะคงค้าง (สัญญา)
GF10G23	29,920	30,000	29,820	29,950	29,920	29,940.00	20	1335	3,424
GFG23	29,950	29,990	29,830	29,920	29,927	29,920.00	-10	27	172
GOH23	1,878	1,883	1,868	1,871	1,876	1,870.70	- 6.9	26452	24,952
SVFH23	22	22	22	22	22	22.07	-0.29	79	1,057
GF10J23	30,010	30,050	29,900	30,010	29,987	30,000.00	20	1785	4,939
GFJ23	30,030.00	30,030.00	30,000.00	30,000.00	30,026.00	30,000.00	20	13	173
GF10M23	30,030	30,100	29,950	30,040	30,041	30,030.00	10	661	3,245
GFM23	30,050	30,050	30,040	30,050	30,049	30,050.00	20	31	107
GOM23	1,906	1,910	1,896	1,899	1,903	1,898.00	-7.2	4942	8,152
SVFM23	22.59	22.60	22.30	22.30	22.42	22.30	-0.41	24	812

Source: SET Smart

# Single Stock Futures



ADVANCH-32 20205 20.59 7 2020.6 204.01 204.71 204.50 2.53 1.4243 3.7  AMATAH23 19.82 20.02 19.82 19.80 19.87 19.80 .0.08 115 5.5  AAATTAH23 19.82 12.38 17.213 77.312 77.84 77.12 .0.02 76.7  AAATTAH23 19.82 12.38 17.213 77.312 77.84 77.12 .0.00 115 5.5  AAATTAH23 19.82 12.38 12.18 12.28 12.28 12.28 10.00 .0.08 115 5.5  AAATTAH23 19.82 12.38 12.18 12.28 12.28 12.28 10.00 .0.00 10 7.7  AAATTAH23 19.85 5.52 5.84 5.92 5.85 5.92 0.07 10 7.7  AAATTAH23 15.8 16.09 15.8 15.00 15.8 10.05 15.8 10.00 0.01 12.2  BAMH23 15.8 16.09 15.8 15.00 11.00 11.02 11.00 11.22 0.01 2.50 10.00 11 2.2  BAMH23 15.9 15.0 15.0 15.0 15.8 10.05 15.8 10.05 15.8 10.00 0.01 1.0 1.0 10.00 11 2.2  BAMH23 15.9 15.0 15.0 16.4 16.40 16.40 16.40 15.0 10.4 10.0 1.0 1.0 10.0 10.0 1.0 1.0 10.0 10	F.1 1.	, el		4	el	ا ما	ราคาที่ใช้ชำระ		ปริมาณ	สถานะคงค้าง
ADVANCHE 2026 205 20597 20205 2041 2041 20450 253 1,244 3 3.4 ACCONTENES	blssk	เปิด	สูง สุด	ต้า สุด	ปิด	เฉลีย	ราคา	เปลียนแปลง	(สัญ ญา)	(สัญ ญา)
AEONTHUS	AAVH23	3.03	3.06	3.02	3.05	3.04	3.04	-	94	52,413
MAMTAH23	ADVANCH23	202.05	205.97	202.05	204.01	204.71	204.50	2.53	1,243	3,798
ADTH223 72,9 73,18 72,73 73,12 72,94 73,12 -0.02 767 44, 74,12 12,18 12,	AEONTSH23	-	-	-	-	-	203.80	-0.2	-	378
APHE23	AMATAH23	19.82	20.02	19.82	19.90	19.87	19.90	-0.09	115	5,527
AMCH23 5.85 5.92 5.84 5.92 5.85 5.92 0.07 10 7.2 BAH28 14.12 14.12 14.12 14.12 14.12 14.12 0.06 1 1 2. BAMH23 15.8 16.09 15.8 16.05 15.88 15.99 0.02 3.0 15. BANPUH23 11.09 11.30 11.09 11.22 11.20 11.22 0.12 2.510 2.0 BANPUH23 16.49 16.520 16.4 16.400 16.473 16.400 - 5.8 11. BBLH23 16.49 16.520 16.4 16.400 16.473 16.400 - 6.58 11. BBLH23 16.49 16.520 17.4 16.400 16.473 16.400 - 6.58 11. BBCHH23 9.33 9.93 9.93 9.93 9.93 9.93 0.06 101 1.01 1.01 1.01 1.01 1.01 1.01	AOTH23	72.9	73.18	72.73	73.12	72.94	73.12	-0.02	767	4,207
BAHE23	APH23	12.18	12.39	12.18	12.28	12.31	12.28	-0.06	1,037	3,793
BAMPH23	AWCH23	5.85	5.92	5.84	5.92	5.85	5.92	0.07	10	7,901
BANPLYSS 11.09 11.30 11.09 11.22 11.20 11.22 0.12 2.510 20. BBAYLSS 1649 165.20 164 164.00 164.73 164.00 - 68 1.15 BCH123 0.41 20.45 20.31 20.45 20.40 20.47 -0.4 308 2. BCH123 3.93 9.93 9.93 9.93 9.93 9.93 9.93 9.	BAH23	14.12	14.12	14.12	14.12	14.12	14.12	0.06	1	2,229
BAYH23	BAMH23	15.8	16.09	15.8	16.05	15.88	15.98	0.02	30	15,238
BBLH23	BANPUH23	11.09	11.30	11.09	11.22	11.20	11.22	0.12	2,510	20,712
BCHH23	BAYH23	-	-	-	-	-	30.96	0.01	-	236
BCPR-123   9.93   9.93   9.93   9.93   9.93   9.93   9.93   0.06   101   41.	BBLH23	164.9	165.20	164	164.00	164.73	164.00	-	58	1,527
BCPH23	BCHH23	20.41	20.45	20.31	20.45	20.40	20.47	-0.4	308	2,354
BDMSH23	BCPGH23	9.93	9.93	9.93	9.93	9.93	9.93	0.06	101	41,174
BEAUTYH23	BCPH23	34.99	35.25	34.99	35.25	35.11	35.25	0.76	28	3,682
BECH23	BDMSH23	28.63	28.63	28.63	28.63	28.63	28.63	-0.13	501	7,751
BEMH23						1.47	1.48	0.01	893	38,705
BCRIMH23         39.2         40.99         39.1         40.99         40.14         40.90         1.14         134         2.2           BHH23         207.72         207.72         207.72         207.72         207.72         207.72         1.28         93         1.3           BLAH23         30.5         38.05         37.78         37.78         37.78         0.74         208         6.6           BLAH23         30.5         30.65         30.2         30.20         30.44         30.33         0.58         227         30           BLANDH23         1.05         1.06         1.05         1.06         1.06         -         2         53           BCHAP23         8.18         8.33         8.18         8.28         8.31         8.28         0.08         633         263           CEGH23         98.25         100.75         98.25         100.75         98.58         100.72         0.94         263         55           CENTELH23         58.48         55.70         55.40         0.16         4         22.2         CHGH23         3.81         3.84         3.81         3.84         -0.01         15         29.9           CHAH23	BECH23	9.55	9.72	9.53	9.72	9.58	9.72	-0.18	267	6,246
BHH23	BEMH23	9.55	9.55	9.54	9.55	9.55	9.55	0.01	1,547	17,457
BUCH23	BGRIMH23	39.2	40.99		40.99	40.14	40.90	1.14	134	2,390
BLAH23   30.5   30.65   30.2   30.20   30.44   30.33   0.58   227   3.68   BLANDH23   1.05   1.06   1.05	BHH23	207.72	207.72	207.72			207.72	-1.28	93	1,385
BLANDH23	BJCH23	38.05	38.05	37.78	37.78	37.94	37.78	-0.74	208	6,773
BPPH23	BLAH23	30.5	30.65	30.2	30.20	30.44	30.33	0.58	227	3,805
BTSH23	BLANDH23	1.05	1.06	1.05	1.06	1.05	1.06	-	2	53,053
CBGH23         98.25         100.75         98.25         100.75         99.68         100.72         0.94         263         5,6           CENTELH23         55.48         55.70         55.4         55.40         55.53         56.40         -0.15         4         2.2           CHGH23         3.81         3.84         3.8         3.84         3.81         3.84         -0.01         22         9;           CKH23         -         -         -         -         -         22.32         0.22         -         1,1           CKPH23         4.68         4.72         4.58         4.58         4.68         4.58         -0.1         15         29;           COM7H23         30         30.25         2.95.1         30.00         29.83         30.00         -0.73         2,311         9           CPML123         66.68         67.40         66.98         67.40         66.98         67.40         67.10         67.40         -0.3         163         3,3           CPFH23         23.1         23.20         23.08         23.15         0.02         218         19.1           CPML23         45.59         45.59         45.59         45.	BPPH23	-	-	-	-	-	16.95	0.3	-	1,071
CENTELH23         55.48         55.70         55.4         55.40         55.53         55.40         -0.15         4         2.3           CHGH23         3.81         3.84         3.8         3.84         3.81         3.84         -0.01         22         9.2         1.3           CKH23         -         -         -         -         -         -         2.232         0.22         -         1.1           CKH23         4.68         4.72         4.58         4.58         4.68         4.58         -0.1         15         29.5           COM7H23         30         30.25         29.51         30.00         29.83         30.00         -0.73         2,331         9.0           CPALLH23         66.98         67.40         66.98         67.40         67.10         67.40         -0.3         163         3.3           CPH23         73.2         23.08         23.20         23.08         23.15         0.02         218         19.0           CRCH23         74.55         74.25         73         73.00         73.48         73.00         -0.4         2.37         94         1.5           DELTAH23         89.5         89.90	BTSH23	8.18	8.33	8.18	8.28	8.31	8.28	0.08	633	26,915
CHGH23         3.81         3.84         3.8         3.84         3.81         3.84         -0.01         22         9;           CKH23         -         -         -         -         -         -         22.32         0.22         -         1.1           CKPH23         4.68         4.72         4.58         4.58         4.68         4.58         -0.1         15         29.1           COM7H23         30         30.25         29.51         30.00         29.83         30.00         -0.73         2,331         9.9           CPALLH23         66.98         67.40         66.98         67.40         67.10         67.40         -0.3         163         3.3           CPPH23         23.1         23.20         23.06         23.20         23.08         23.15         0.02         218         199           CPNH23         45.59         45.59         45.59         45.59         40.00         2.01         19.2           CPNH23         45.59         45.59         45.59         40.59         40.59         40.59         40.59         40.59         0.09         101         22.7           DELTAH23         87.5         55.50         49.9	CBGH23	98.25		98.25	100.75	99.68	100.72	0.94	263	5,886
CKH23         -         -         -         -         -         22.32         0.22         -         1.3           CKPH23         4.68         4.72         4.58         4.58         4.68         4.58         -0.1         15         29.3           COM7H23         30         30.25         29.51         30.00         29.83         30.00         -0.73         2,331         29.31         29.36         66.98         67.40         67.10         67.40         -0.3         163         33           CPFH23         23.1         23.20         23.06         23.20         23.08         23.15         0.02         218         19.0           CPNH23         74.25         74.25         73         73.00         73.48         73.00         -0.4         23         4.59         45.59         45.59         45.59         40.0         9.0         101         2.2         20.0         2.7         2.37         94         11.2         2.4         2.37         94         11.2         2.3         10.0         2.0         2.3         10.0         2.0         2.3         10.0         2.0         2.0         2.0         2.0         2.0         2.0         2.0         2.0<	CENTELH23	55.48	55.70	55.4	55.40	55.53	55.40	-0.15		2,365
CKPH23         4.68         4.72         4.58         4.58         4.68         4.58         -0.1         15         29.3           COM7H23         30         30.25         29.51         30.00         29.83         30.00         -0.73         2,331         9.6           CPALLH23         66.98         67.40         66.98         67.40         66.98         67.40         67.40         -0.3         163         33.           CPFH23         23.1         23.20         23.06         23.20         23.08         23.15         0.02         218         19.3           CPCH23         74.25         74.25         73         73.00         73.48         73.00         -0.4         23         9.0           CRCH23         45.59         45.59         45.59         45.59         45.59         0.09         101         23           DELTAH23         895         899.00         880         898.00         890.98         896.75         2.37         94         11.           DTACH23         85         899.00         880         898.00         890.98         896.75         2.37         94         11.           DTACH23         8.63         8.83         88		3.81	3.84	3.8	3.84	3.81			22	9,173
COM7H23         30         30.25         29.51         30.00         29.83         30.00         -0.73         2,331         9;           CPALILI23         66.98         67.40         66.98         67.40         67.10         67.40         -0.3         163         3,3           CPFH23         23.1         23.20         23.06         23.20         23.08         23.15         0.02         218         19,0           CPNH23         74.25         74.25         73         73.00         73.48         73.00         -0.4         23         19,0           CRCH23         45.59         45.59         45.59         45.59         45.59         0.09         101         2,2           DELTAH23         895         899.00         880         898.00         890.98         896.75         2.37         94         1,2           DELTAH23         50         50.50         49.75         50.50         49.99         50.50         1.01         774         8,8           EAH23         87.45         87.80         86.52         86.75         86.78         86.80         -0.68         509         7,           EASTWH23         4.8         4.80         4.8         <										1,552
CPALLH23         66.98         67.40         66.98         67.40         67.10         67.40         -0.3         163         3,3           CPFH23         23.1         23.20         23.06         23.20         23.08         23.15         0.02         218         19,0           CPNH23         74.25         74.25         73         73.00         73.48         73.00         -0.4         23         6           CRCH23         45.59         45.59         45.59         45.59         45.59         0.09         101         2,3           DELTAH23         895         899.00         880         898.00         890.98         896.75         2.37         94         11,2           DTACH23         50         50.50         49.75         50.50         49.99         50.50         1.01         774         8.8           EAH23         87.45         87.80         86.52         86.75         86.78         86.80         -0.68         509         7,           EASTWH23         -         -         -         -         5.31         -0.05         -         -           EGCOH23         169.3         170.78         170.26         170.78         0.78										29,372
CPFH23         23.1         23.20         23.06         23.20         23.08         23.15         0.02         218         19.0           CPNH23         74.25         74.25         73         73.00         73.48         73.00         -0.4         23         6           CRCH23         45.59         45.59         45.59         45.59         45.59         45.59         0.09         101         2,6           DELTAH23         895         899.00         880         898.00         890.98         896.75         2.37         94         1,3           DTACH23         50         50.50         49.75         50.50         49.99         50.50         1.01         774         8,6           EAH23         87.45         87.80         86.52         86.75         86.78         86.80         -0.68         509         7,7           EASTWH23         -         -         -         -         -         5.31         -0.05         -         -           EGCOH23         169.3         170.78         169.3         170.78         170.26         170.78         0.78         11         1,3           EPCH23         8.83         8.83         8.83 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>9,198</td></t<>										9,198
CPNH23         74.25         74.25         73         73.00         73.48         73.00         -0.4         23         0           CRCH23         45.59         45.59         45.59         45.59         45.59         45.59         0.09         101         2.3           DELTAH23         895         899.00         880         898.00         890.98         896.75         2.37         94         1.3           DTACH23         50         50.50         49.75         50.50         49.99         50.50         1.01         774         8.4           EAH23         87.45         87.80         86.52         86.75         86.78         86.80         -0.68         509         7.           EASTWH23         -         -         -         -         -         5.31         -0.05         -           EGCOH23         169.3         170.78         169.3         170.78         169.3         170.78         169.3         169.3         170.78         169.8         0.78         11         1.3           EPGH23         8.83         8.83         8.83         8.83         8.83         8.83         8.83         8.83         8.83         8.83         8.83										3,934
CRCH23         45.59         45.59         45.59         45.59         45.59         45.59         45.59         45.59         2.37         94         1,2           DELTAH23         895         899.00         880         898.00         890.98         896.75         2.37         94         1,3           DTACH23         50         50.50         49.75         50.50         49.99         50.50         1.01         774         8,6           EAH23         87.45         87.80         86.52         86.75         86.78         86.80         -0.68         509         7,7           EASTWH23         -         -         -         -         -         -         5.31         -0.05         -           EGCOH23         169.3         170.78         169.3         170.78         170.26         170.78         0.78         11         1,3           EPGH23         8.83         <										19,628
DELTAH23         895         899.00         880         898.00         890.98         896.75         2.37         94         1,0           DTACH23         50         50.50         49.75         50.50         49.99         50.50         1.01         774         8,0           EAH23         87.45         87.80         86.52         86.75         86.78         86.80         -0.68         509         7,7           EASTWH23         -         -         -         -         -         -         5.31         -0.05         -           EGCOH23         169.3         170.78         169.3         170.78         170.26         170.78         0.78         11         1,4           EPOH23         8.83         8.83         8.83         8.83         8.83         8.83         8.83         8.83         0.3         510         5,6           ERWH23         4.8         4.80         4.8         4.80         4.80         4.80         -0.01         1         7,7           ESSOH23         9.17         9.17         9.17         9.17         9.17         9.17         9.17         9.17         9.17         9.17         9.17         9.17         9.17										632
DTACH23         50         50.50         49.75         50.50         49.99         50.50         1.01         774         8,0           EAH23         87.45         87.80         86.52         86.75         86.78         86.80         -0.68         509         7,           EASTWH23         -         -         -         -         -         -         5.31         -0.05         -           EGCOH23         169.3         170.78         169.3         170.78         170.26         170.78         0.78         11         1,0           EPGH23         8.83         8.83         8.83         8.83         8.83         8.83         8.83         10.3         510         56           ERWH23         4.8         4.80         4.8         4.80         4.80         4.80         -0.01         1         7,0           ESSOH23         9.17         9.17         9.17         9.17         9.17         9.17         0.01         501         29,0           GFPTH23         12.4         12.40         12.40         12.40         12.40         12.40         0.09         2         9,0           GLOBALH23         19.2         19.20         18.66										2,571
EAH23         87.45         87.80         86.52         86.75         86.78         86.80         -0.68         509         7.7           EASTWH23         -         -         -         -         -         -         5.31         -0.05         -           EGCOH23         169.3         170.78         169.3         170.78         170.26         170.78         0.78         11         1,3           EPGH23         8.83         8.83         8.83         8.83         8.83         8.83         0.3         510         5,6           ERWH23         4.8         4.80         4.8         4.80         4.80         4.80         -0.01         1         7,7           ESSOH23         9.17										1,392
EASTWH23 5.31 -0.05 5.00 5.31 -0.05										8,090
EGCOH23         169.3         170.78         169.3         170.78         170.26         170.78         0.78         11         1.9           EPGH23         8.83         8.83         8.83         8.83         8.83         8.83         8.83         3.83										7,704
EPGH23 8.83 8.83 8.83 8.83 8.83 8.83 8.83 0.3 510 5,0 5,0 5,0 5,0 5,0 5,0 5,0 5,0 5,0 5,										1
ERWH23         4.8         4.80         4.8         4.80         4.80         4.80         -0.01         1         7.0           ESSOH23         9.17         9.17         9.17         9.17         9.17         0.01         501         29.0           GFPTH23         12.4         12.40         12.4         12.40         12.40         12.40         0.09         2         9.3           GLOBALH23         19.2         19.20         18.66         18.85         19.00         18.90         -1.71         1,113         1,4           GPSCH23         68         71.61         68         71.40         70.46         71.40         3.6         1,372         4,4           GULFH23         53.33         54.20         53.33         54.20         53.92         54.19         0.86         4,460         16,4           GUNKULH23         4.9         4.92         4.74         4.80         4.85         4.79         -0.19         85,718         173,           HANAH23         58         58.00         57.25         57.90         57.72         57.90         -0.86         267         1,4           HMPROH23         14.91         14.81         14.81         1										1,522
ESSOH23 9.17 9.17 9.17 9.17 9.17 9.17 9.17 0.01 501 29,0 GFPTH23 12.4 12.40 12.40 12.40 12.40 12.40 12.40 0.09 2 9,3 GLOBALH23 19.2 19.20 18.66 18.85 19.00 18.90 -1.71 1,113 1,0 GPSCH23 68 71.61 68 71.40 70.46 71.40 3.6 1,372 4,5 GULFH23 53.33 54.20 53.33 54.20 53.92 54.19 0.86 4,460 16,0 GUNKULH23 4.9 4.92 4.74 4.80 4.85 4.79 -0.19 85,718 173,1 HANAH23 58 58.00 57.25 57.90 57.72 57.90 -0.86 267 1,3 HMPROH23 14.91 14.91 14.81 14.81 14.81 14.81 -0.08 220 6,4 ICHIH23 12.16 -0.1 - 13,0 INTUCHH23X 72.99 73.60 72.99 73.60 73.31 73.60 1.1 1,018 1RPCH23 3.08 3.12 3.08 3.11 3.10 3.11 0.03 47 22,0 ITDH23 1.96 2.00 1.96 1.97 1.98 1.97 -0.02 18 46,0 IVLH23 40.03 40.03 39.8 39.80 39.88 39.86 -0.6 103 9,0 IVLH23 40.03 40.03 39.8 39.80 39.88 39.86 -0.6 103 9,0 IVLH23										5,099
GFPTH23 12.4 12.40 12.4 12.40 12.40 12.40 12.40 0.09 2 9,0 GLOBALH23 19.2 19.20 18.66 18.85 19.00 18.90 -1.71 1,113 1,0 GPSCH23 68 71.61 68 71.40 70.46 71.40 3.6 1,372 4,0 GULFH23 53.33 54.20 53.33 54.20 53.92 54.19 0.86 4,460 16,0 GUNKULH23 4.9 4.92 4.74 4.80 4.85 4.79 -0.19 85,718 173,0 HANAH23 58 58.00 57.25 57.90 57.72 57.90 -0.86 267 1,0 HMPROH23 14.91 14.91 14.81 14.81 14.81 14.81 -0.08 220 6,0 ICHIH23 12.16 -0.1 - 13,0 INTUCHH23X 72.99 73.60 72.99 73.60 73.31 73.60 1.1 1,018 RPCH23 3.08 3.12 3.08 3.11 3.10 3.11 0.03 47 22,0 ITDH23 1.96 2.00 1.96 1.97 1.98 1.97 -0.02 18 46,0 IVLH23 40.03 40.03 39.8 39.80 39.88 39.86 -0.6 103 9,0 IVLH23 40.03 40.03 39.8 39.80 39.88 39.86 -0.6 103 9,0 IVLH23										7,615
GLOBALH23 19.2 19.20 18.66 18.85 19.00 18.90 -1.71 1,113 1,000 18.90 -1.71 1,113 1,000 18.90 -1.71 1,113 1,000 18.90 -1.71 1,113 1,000 19.90 19.90 19.90 19.90 18.90 -1.71 1,113 1,000 19.90 19.										29,636
GPSCH23 68 71.61 68 71.40 70.46 71.40 3.6 1,372 4,4 GULFH23 53.33 54.20 53.33 54.20 53.92 54.19 0.86 4,460 16,4 GUNKULH23 4.9 4.92 4.74 4.80 4.85 4.79 -0.19 85,718 173,7 HANAH23 58 58.00 57.25 57.90 57.72 57.90 -0.86 267 1,4 HMPROH23 14.91 14.91 14.81 14.81 14.81 14.81 -0.08 220 6,7 ICHIH23 12.16 -0.1 - 13,4 INTUCHH23X 72.99 73.60 72.99 73.60 73.31 73.60 1.1 1,018 4.7 IRPCH23 3.08 3.12 3.08 3.11 3.10 3.11 0.03 47 22,4 ITDH23 1.96 2.00 1.96 1.97 1.98 1.97 -0.02 18 46,7 IVLH23 40.03 40.03 39.8 39.80 39.88 39.86 -0.6 103 9,6 IVLH23 40.03 40.03 39.8 39.80 39.88 39.86 -0.6 103 9,6 IVLH23 40.03 40.03 39.8 39.80 39.88 39.86 -0.6 103 9,6 IVLH23										9,239
GULFH23 53.33 54.20 53.33 54.20 53.92 54.19 0.86 4,460 16,0   GUNKULH23 4.9 4.92 4.74 4.80 4.85 4.79 -0.19 85,718 173,   HANAH23 58 58.00 57.25 57.90 57.72 57.90 -0.86 267 1,3   HMPROH23 14.91 14.91 14.81 14.81 14.81 14.81 -0.08 220 6,0   ICHIH23 12.16 -0.1 - 13,0   INTUCHH23X 72.99 73.60 72.99 73.60 73.31 73.60 1.1 1,018   IRPCH23 3.08 3.12 3.08 3.11 3.10 3.11 0.03 47 22,0   ITDH23 1.96 2.00 1.96 1.97 1.98 1.97 -0.02 18 46,0   IVLH23 40.03 40.03 39.8 39.80 39.88 39.86 -0.6 103 9,0   ISSUE    ISSUE   IVLH23 40.03 40.03 39.8 39.80 39.88 39.86 -0.6 103 9,0   ISSUE   ISSUE   IVLH24   IVLH25   IVLH25   IVLH25   IVLH26   IVLH27   IVLH27   IVLH28   IVLH28   IVLH29   IVLH										1,696
GUNKULH23 4.9 4.92 4.74 4.80 4.85 4.79 -0.19 85,718 173, HANAH23 58 58.00 57.25 57.90 57.72 57.90 -0.86 267 1,2 HMPROH23 14.91 14.91 14.81 14.81 14.81 14.81 -0.08 220 6,3 ICHIH23 12.16 -0.1 - 13,1 INTUCHH23X 72.99 73.60 72.99 73.60 73.31 73.60 1.1 1,018 73,1 IRPCH23 3.08 3.12 3.08 3.11 3.10 3.11 0.03 47 22,5 ITDH23 1.96 2.00 1.96 1.97 1.98 1.97 -0.02 18 46,1 IVLH23 40.03 40.03 39.8 39.80 39.88 39.86 -0.6 103 9,6										4,559
HANAH23         58         58.00         57.25         57.90         57.72         57.90         -0.86         267         1,7           HMPROH23         14.91         14.91         14.81         14.81         14.81         14.81         -0.08         220         6,8           ICHIH23         -         -         -         -         -         12.16         -0.1         -         13,0           INTUCHH23X         72.99         73.60         73.31         73.60         1.1         1,018         4           IRPCH23         3.08         3.12         3.08         3.11         3.10         3.11         0.03         47         22,9           ITDH23         1.96         2.00         1.96         1.97         1.98         1.97         -0.02         18         46,7           IVLH23         40.03         40.03         39.8         39.80         39.88         39.86         -0.6         103         9,6										16,674
HMPROH23         14.91         14.91         14.81         14.81         14.81         14.81         -0.08         220         6,4           ICHIH23         -         -         -         -         -         -         12.16         -0.1         -         13,6           INTUCHH23X         72.99         73.60         73.31         73.60         1.1         1,018         4           IRPCH23         3.08         3.12         3.08         3.11         3.10         3.11         0.03         47         22,9           ITDH23         1.96         2.00         1.96         1.97         1.98         1.97         -0.02         18         46,7           IVLH23         40.03         40.03         39.8         39.80         39.88         39.86         -0.6         103         9,6									•	173,167 1,247
ICHIH23         -         -         -         -         -         12.16         -0.1         -         13,0           INTUCHH23X         72.99         73.60         73.31         73.60         1.1         1,018         4           IRPCH23         3.08         3.12         3.08         3.11         3.10         3.11         0.03         47         22,4           ITDH23         1.96         2.00         1.96         1.97         1.98         1.97         -0.02         18         46,7           IVLH23         40.03         40.03         39.8         39.80         39.88         39.86         -0.6         103         9,6										
INTUCHH23X         72.99         73.60         72.99         73.60         73.31         73.60         1.1         1,018         4           IRPCH23         3.08         3.12         3.08         3.11         3.10         3.11         0.03         47         22,4           ITDH23         1.96         2.00         1.96         1.97         1.98         1.97         -0.02         18         46,7           IVLH23         40.03         40.03         39.8         39.80         39.88         39.86         -0.6         103         9,6										6,460
IRPCH23         3.08         3.12         3.08         3.11         3.10         3.11         0.03         47         22,9           ITDH23         1.96         2.00         1.96         1.97         1.98         1.97         -0.02         18         46,7           IVLH23         40.03         40.03         39.8         39.80         39.88         39.86         -0.6         103         9,0										13,651
ITDH23         1.96         2.00         1.96         1.97         1.98         1.97         -0.02         18         46,7           IVLH23         40.03         40.03         39.8         39.80         39.88         39.86         -0.6         103         9,0										484
IVLH23 40.03 40.03 39.8 39.80 39.88 39.86 -0.6 103 9,0										22,913
										46,194
JASHZ3 2.3 2.3U 2.29 2.29 2.29 - 5 213,6										9,099
	JASH23	2.3	2.30	2.29	2.29	2.29	2.29	-	5	213,575



blssk	เปิด	สูง สุด	ต่ำ สุด	ปิด	เฉลี่ย	ราคาที่ใช้ชำระ	เปลี่ยนแปลง	ปริมาณ	สถานะคงค้าง
2.00.0		20 242.	242.		·	ราคา		(สัญ ญ า)	(สัญ ญา)
JMTH23	50.5	51.10	48.5	49.40	49.58	49.40	-1.25	2,435	3,896
KBANKH23	144.99	144.99	144	144.25	144.42	144.25	0.21	179	9,427
KCEH23	47	48.00	46.5	47.95	47.58	47.95	0.75	673	5,686
KEXH23	17.6	17.60	16.65	16.69	16.92	16.50	-1.2	671	4,358
KKPH23	68.92	69.50	68.6	68.70	69.00	68.70	0.63	303	3,080
KTBH23	17.35	17.57	17.27	17.31	17.39	17.31	0.03	515	11,848
KTCH23	57.21	58.45	57.21	58.40	58.16	58.40	1.15	9	29,529
LHH23	-	-	•	-	-	9.76	-0.2		717
LPNH23	-	-	•	-	-	4.59	0.04	-	1,505
MAJORH23	-	-	•	-	-	17.94	0.01	200	7,978
MBKH23	-	-	-	-	-	18.04	-	-	3,227
MEGAH23	50.51	50.51	50.09	50.09	50.30	50.09	-1.34	6	89
MH23	56.6	56.85	56.6	56.85	56.83	56.85	-0.02	10	1,035
MINTH23	33.55	33.55	33.55	33.55	33.55	33.55	-0.46	101	4,932
MTCH23	36.9	37.98	36.9	37.65	37.41	37.65	1.15	2,101	7,432
ORH23	21.75	21.75	21.57	21.72	21.61	21.72	-0.1	134	10,692
ORIH23 OSPH23	11.92	11.92	11.85	11.85	11.86	11.85	-0.13	11	1,923
	28.4	28.40	28.4	28.40	28.40	28.40	-0.02	1	7,348
PLANBH23 PRMH23	-		-	-		9.02 7.83	-0.02	-	27,749 11,732
PSHH23									678
PSLH23	15 55		- 15	15.01		13.11	0.31		
PTGH23	15.55 13.13	15.66 13.22	15 13.13	15.01 13.20	15.40	15.01 13.20	- 0.46 - 0.05	857	2,255 10,273
PTTEPH23	159.5	160.80	159.1	160.00	160.06	160.00	0.5	3,545	5,564
PTTGCH23	49.15	50.50	49.15	50.50	50.07	50.50	- 0.5	352	4,581
PTTH23	32	32.09	32	32.09	32.06	32.09	0.13	119	8,977
QHH23	2.35	2.35	2.34	2.34	2.34	2.34	-0.02	110	932
RATCHH23X	2.00	2.55	2.04	2.04	2.04	42.63	-0.02	-	5,123
RSH23	17.72	17.72	16.61	16.90	16.97	16.90	-1.15	335	14,915
SAMARTH23	5.35	5.45	5.35	5.45	5.40	5.45	0.3	14	4,435
SAWADH23	56.25	57.50	56.25	57.00	57.01	57.00	1.1	389	4,501
SCBBH23	-	-	-	-	-	100.71	-0.6	-	145
SCBH23	101.5	102.15	100.8	102.00	101.47	102.00	0.84	189	8,865
SCCH23	337	337.00	336.6	336.60	336.80	336.49	-1.2	66	1,389
SCGPH23	51.75	51.75	50.87	51.60	51.31	51.60	-0.77	1,462	8,641
SGPH23	-	-	-	-	-	9.90	-0.09		149
SH23						1.99	-0.01		18,368
SIRIH23	1.85	1.85	1.81	1.83	1.82	1.83	0.02	10,113	120,178
SPALIH23	24.61	24.61	24.61	24.61	24.61	24.30	-0.09	102	1,943
SPCGH23	-			-	-	14.43	-		24
SPRCH23	11.37	11.58	11.32	11.42	11.46	11.42	0.11	534	3,619
STAH23	23.8	23.90	23.42	23.50	23.51	23.49	-0.31	519	1,613
STECH23	13.2	13.20	12.95	13.15	13.15	13.15	0.05	56	3,621
STGTH23	11.49	11.50	10.67	10.71	10.96	10.71	-0.58	1,282	7,647
STPIH23	4.96	5.02	4.96	5.02	5.00	5.02	-0.02	10	31,589
SUPERH23	-			-	-	0.62	-0.01	-	38,336
TASCOH23	18.15	18.20	18.1	18.10	18.16	18.10	_	1,112	4,110
TCAPH23	-	-	-	-	-	42.47	0.02	-	819
THAIH23	-	-	-	-	-	3.33	-	-	-
THANIH23	4.06	4.06	4.01	4.04	4.03	4.04	- 0.01	16	12,776
THCOMH23	15.81	17.09	15.6	17.09	16.83	17.09	0.79	2,155	6,589
THGH23	-	-	-	-	-	68.53	- 0.25	-	40
TISCOH23	102	102.00	102	102.00	102.00	102.08	0.3	3	267
TKNH23	11.2	11.25	11.2	11.24	11.22	11.24	0.09	14	18,071
TOAH23	33.59	33.59	32.88	32.88	33.23	32.88	- 0.75	2	2,812
TOPH23	56.15	56.30	55.82	56.12	56.02	56.15	1.01	358	968
TPIPLH23	1.8	1.80	1.8	1.80	1.80	1.81	-0.02	1	32,555
TPIPPH23	3.36	3.37	3.36	3.36	3.36	3.36	-0.04	34	3,013
TQMH23	_	_	_	-	-	42.44	-0.49	-	11,472



blssk	เปิด	สูง สุด	ต่ำ สุด	ปิด	เฉลี่ย	ราคาที่ใช้ชำระ ราคา	เปลี่ยนแปลง	ปริมาณ (สัญญา)	สถานะคงค้าง (สัญญา)
TRUEH23	4.87	4.95	4.87	4.94	4.92	4.95	0.09	882	55,499
TTAH23	7.71	7.83	7.57	7.70	7.65	7.68	-0.12	542	2,098
TTBH23	1.4	1.42	1.4	1.41	1.42	1.41	-	596	54,046
TTCLH23	-	-	-	-	-	4.77	-	-	2,527
TTWH23	9.5	9.50	9.5	9.50	9.50	9.45	0.11	1	593
TUH23	15.76	15.95	15.75	15.95	15.80	15.95	0.13	55	22,869
TVOH23X	-	-	-	-	-	28.82	0.02	-	147
UNIQH23	-	-	-	-	-	4.67	-	-	8,146
VGIH23	4.86	4.90	4.86	4.90	4.86	4.90	0.03	11	13,522
VNGH23	5.3	5.30	5.3	5.30	5.30	5.30	- 0.01	1	7,076
WHAH23	3.94	3.95	3.87	3.87	3.91	3.87	- 0.05	1,044	36,960
Total								144,924	1,761,570

Source : SET Smart



# **Bualuang Securities Public Company Limited**

**DISCLAIMER** 

BUALUANG SECURITIES PUBLIC COMPANY LIMITED (BLS) is a subsidiary of BANGKOK BANK PUBLIC COMPANY LIMITED (BBL). This document is produced based upon sources believed to be reliable but their accuracy, completeness or correctness is not guaranteed. The statements or expressions of opinion herein were arrived at after due and careful consideration to use as information for investment. Expressions of opinion contained herein are subject to change without notice. This document is not, and should not be construed as, an offer or the solicitation of an offer to buy or sell any securities. The use of any information shall be at the sole discretion and risk of the user.

BUALUANG SECURITIES PUBLIC COMPANY LIMITED MAY BE IN RELATIONSHIP WITH THE SECURITIES IN THIS REPORT. "Opinions, projections and other information contained in this report are based upon sources believed to be accurate including the draft prospectus, but no responsibility is accepted for any loss occasioned by reliance placed upon the contents hereof. Bualuang Securities Public Company Limited may from time to time perform investment, advisory or other services for companies mentioned in this report, as well as dealing (as principal or otherwise) in, or otherwise being interested in, any securities mentioned herein, This report does not constitute a solicitation to buy or sell any securities". Investors should carefully read details in the prospectus before making investment decision.

BUALUANG SECURITIES PUBLIC COMPANY LIMITED MAY ACT AS MARKET MAKER AND ISSUER OF DWs, AND ISSUER OF STRUCTURED NOTES ON THESE SECURITIES. The company may prepare the research reports on those underlying securities. Investors should carefully read the details of the derivative warrants and structured notes in the prospectus before making investment decisions.

ADVANC	AMATA	AOT	BDMS	BH	CBG	CENTEL	CPALL	DTAC	GLOBAL	GPSC	IRPC	KBANK	KCE	KTC
MINT	PTG	PTT	PTTEP	PTTGC	SCB	SPRC	TOP	WHA	ESSO	STA	BGRIM	GULF	MTC	AWC
CRC	CPF	CPN	HANA	HMPRO	ⅣL	OSP	SAWAD	BANPU	BCH	BTS	CK	SCC	STEC	TISCO
TRUE	TU	INTUCH	RATCH	VGI	SCGP	TQM	COM7	DOHOME	JMT	CHG	TMB	BAM	BCP	AP
KTB	KKP	OR	BEM	GUNKUL	EA	SPALI	RBF	STGT	MEGA	JMART	BEC	SYNEX	BLA	KEX
RCL	SINGER	STARK	TIDLOR	FORTH	TIPH	AAV	DELTA	BCPG	SABUY	THG	CKP			

BUALUANG SECURITIES PUBLIC COMPANY LIMITED IS OR MAY BE AN UNDERWRITER/CO-UNDERWRITER/JOINT LEAD IN RESPECT OF THE INITIAL PUBLIC OFFERING (IPO) OF SECURITIES.

Financial Advisor	Lead underwriter/ Underwriter/ Co-underwriter
	MEB

### **CG** Rating

Score Range	Score Range	Description
90 – 100		Excellent
80 – 89		Very Good
70 – 79		Good
60 – 69	PERIODE PROPERTY.	Satisfactory
50 - 00359		Pass
Less than 50	No logo given	-

Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors

- · companies that have declared their intention to join CAC, and
- companies certified by CAC.



### CORPORATE GOVERNANCE REPORT DISCLAIMER

This research report was prepared by Bualuang Securities Public Company Limited and refers to research prepared by Morgan Stanley. Morgan Stanley. does not warrant or guarantee the accuracy or completeness of its research reports. Morgan Stanley reserves copyright and other proprietary rights in the material reproduced in this report. Morgan Stanley is under no obligation to inform Bualuang Securities or you if the views or information referred to or reproduced in this research report change.

# Corporate Governance Report disclaimer

The disclosure of the survey result of the Thai Institute of Directors Association (IOD) regarding corporate governance is made pursuant to the policy of the Office of the Securities and Exchange Commission. The IOD survey is based on the information of a company listed on the Stock Exchange of Thailand and the Market for Alternative Investment disclosed to the public and able to be accessed by a general public investor. The result, therefore, is from the perspective of a third party. It is not an evaluation of operation and is not based on inside information.

The survey result is as of the date appearing in the Corporate Governance Report of Thai Listed Companies. As a result, the survey result may be changed after that date. Bualuang Securities Public Company Limited neither confirms nor certifies the accuracy of such survey results.

"Disclaimer: The disclosure of the Anti-Corruption Progress Indicators of a listed company on the Stock Exchange of Thailand, which is assessed by the relevant institution as disclosed by the Office of the Securities and Exchange Commission, is made in order to comply with the policy and sustainable development plan for the listed companies. The relevant institution made this assessment based on the information received from the listed company, as stipulated in the form for the assessment of Anti-corruption which refers to the Annual Registration Statement (Form 56-1), Annual Report (Form 56-2), or other relevant documents or reports of such listed company. The assessment result is therefore made from the perspective of a third party. It is not an assessment of operation and is not based on any inside information. Since this assessment is only the assessment result as of the date appearing in the assessment result, it may be changed after that date or when there is any change to the relevant information. Nevertheless, Bualuang Securities Public Company Limited neither confirms, verifies, nor certifies the accuracy and completeness of the assessment result."

### **BUALUANG RESEARCH - RECOMMENDATION FRAMEWORK**

### STOCK RECOMMENDATIONS

BUY: Expected positive total returns of 15% or more over the next 12 months

HOLD: Expected total returns of between -15% and +15% over the next 12 months.

SELL: Expected negative total returns of 15% or more over the next 12

TRADING BUY: Expected positive total returns of 15% or more over the next 3 months.

### SECTOR RECOMMENDATIONS

**OVERWEIGHT:** The industry, as defined by the analyst's coverage universe, is expected to outperform the relevant primary market index over the next 12 months. **NEUTRAL:** The industry, as defined by the analyst's coverage universe, is expected to perform in line with the relevant primary market index over the next 12

**UNDERWEIGHT:** The industry, as defined by the analyst's coverage universe, is expected to underperform the relevant primary market index over the next 12



# **IMPORTANT DISCLOSURES FOR U.S. PERSONS**

This research report was prepared by Bualuang Securities Public Company Limited ("BLS"). BLS is not a registered broker-dealer in the United States and, therefore, is not subject to U.S. rules regarding the preparation of research reports and the independence of research analysts. This research report is provided for distribution to "major U.S. institutional investors" in reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act").

Under no circumstances should any recipient of this research report effect any transaction to buy or sell securities or related financial instruments through BLS. Rosenblatt Securities Inc. accepts responsibility for the contents of this research report, subject to the terms set out below, to the extent that it is delivered to a U.S. person other than a major U.S. institutional investor.

The analyst whose name appears in this research report is not registered or qualified as a research analyst with the Financial Industry Regulatory Authority ("FINRA") and may not be an associated person of Rosenblatt Securities Inc. and, therefore, may not be subject to applicable restrictions under FINRA Rules on communications with a subject company, public appearances and trading securities held by a research analyst account.

### **Additional Disclosures**

This research report is for distribution only under such circumstances as may be permitted by applicable law. This research report has no regard to the specific investment objectives, financial situation or particular needs of any specific recipient, even if sent only to a single recipient. This research report is not guaranteed to be a complete statement or summary of any securities, markets, reports or developments referred to in this research report. Neither BLS nor any of its directors, officers, employees or agents shall have any liability, however arising, for any error, inaccuracy or incompleteness of fact or opinion in this research report or lack of care in this research report's preparation or publication, or any losses or damages which may arise from the use of this research report.

BLS may rely on information barriers, such as "Chinese Walls" to control the flow of information within the areas, units, divisions, groups, or affiliates of BLS.

Investing in any non-U.S. securities or related financial instruments (including ADRs) discussed in this research report may present certain risks. The securities of non-U.S. issuers may not be registered with, or be subject to the regulations of, the U.S. Securities and Exchange Commission. Information on such non-U.S. securities or related financial instruments may be limited. Foreign companies may not be subject to audit and reporting standards and regulatory requirements comparable to those in effect within the United States.

The value of any investment or income from any securities or related financial instruments discussed in this research report denominated in a currency other than U.S. dollars is subject to exchange rate fluctuations that may have a positive or adverse effect on the value of or income from such securities or related financial instruments.

Past performance is not necessarily a guide to future performance and no representation or warranty, express or implied, is made by BLS with respect to future performance. Income from investments may fluctuate. The price or value of the investments to which this research report relates, either directly or indirectly, may fall or rise against the interest of investors. Any recommendation or opinion contained in this research report may become outdated as a consequence of changes in the environment in which the issuer of the securities under analysis operates, in addition to changes in the estimates and forecasts, assumptions and valuation methodology used herein.

No part of the content of this research report may be copied, forwarded or duplicated in any form or by any means without the prior consent of BLS and BLS accepts no liability whatsoever for the actions of third parties in this respect.