May 28, 2018 OUTPERFORM

# **Energy Absolute**

(EATB)

Share Price: Bt39.25 Target Price: Bt77.0 (+96.2%)

# Countdown starts at Hanuman

- Positive feedback after visiting 260MW Hanuman wind farm; construction is on track and we expect COD in 4Q18
- Cut FY18F EPS by 7% due to change in COD schedule, 2Q18F earnings should soften qoq due to seasonally-weaker winds
- Maintain OUTPERFORM rating with SoTP-based Bt77 TP; top pick among renewable power plays

# Hanuman wind farm could deliver 26% CF due to higher average wind speeds

We attended the Blade Lifting Ceremony at 260MW Hanuman wind farm, Chaiyaphum, last week. The installation of the wind turbine symbolizes the final stage of construction. EA is using *Gamesa* wind turbines, a leading brand from Spain. This technology is effective in a low wind speed environment with cut-off at 3.0m/s. The towers will be 153 meters tall with 68-meter blade length (vs 137 meters at Had Kanghan). Hanuman wind farm will have 103 towers with 2.5MW generation capacity per tower, of which 4 have been installed with wind turbines while 60 have completed pre-erection works. Average wind speed at Chaiyaphum is 5.8m/s, slightly stronger than at Had Kanghan (5.3m/s), implying the former would achieve 26% average capacity factor (CF), in line with our estimate.

# Nudged down FY18F profit by 7% after fine-tuning COD schedule by 1-2 months

In April, output at EA's existing solar farms edged down 5% yoy due to higher number of rainy days. Output at wind farms would have dropped to 20% average CF (vs 25% CF in 1Q18) given seasonally weaker winds, but should improve in May-June. This could lead 2Q18F earnings to soften qoq. Meanwhile, we nudged down FY18F earnings by 6.8% after fine-tune COD schedule for 260MW Hanuman wind farm to early 4Q18, in line with guidance (see details in page 3). EA targets COD of 90MW, 90MW and 80MW in Oct-18, Nov-18, and Dec-18, respectively. We estimate this project to contribute c.Bt8m profit/MW or Bt2.1bn per year.

## Construction of ES plant to start in 3Q18

We value the Renewable Energy & Biodiesel businesses at Bt27/sh, and energy storage (ES) business at Bt50/sh. Current share price implies 33x FY18F PE but that would drop to 22x PE when the renewable energy projects start full operation. However, we are cautious of near-term volatility as the lucrative ES business has been partly priced in. We expect construction of the 1GW ES plant to start in 3Q18.

Financial Summary	1	(Btm)
-------------------	---	-------

2016	2017	2018F	2019F	2020F
10,392	11,580	13,454	17,286	22,438
13	11	16	28	30
5,529	6,395	7,947	10,077	10,757
36	16	24	27	7
3,354	3,757	4,401	6,596	7,253
21	17	15	50	10
3,251	3,817	4,401	6,596	7,253
0.87	1.02	1.18	1.77	1.94
21	17	15	50	10
45	38	33	22	20
0.10	0.41	0.59	0.88	0.97
0.3	1.0	1.5	2.3	2.5
3.1	4.0	4.5	5.4	6.4
12.9	9.9	8.6	7.2	6.1
	10,392 13 5,529 36 3,354 21 3,251 0.87 21 45 0.10 0.3 3.1	10,392 11,580 13 11 5,529 6,395 36 16 3,354 3,757 21 17 3,251 3,817 0.87 1.02 21 17 45 38 0.10 0.41 0.3 1.0 3.1 4.0	10,392     11,580     13,454       13     11     16       5,529     6,395     7,947       36     16     24       3,354     3,757     4,401       21     17     15       3,251     3,817     4,401       0.87     1.02     1.18       21     17     15       45     38     33       0.10     0.41     0.59       0.3     1.0     1.5       3.1     4.0     4.5	10,392         11,580         13,454         17,286           13         11         16         28           5,529         6,395         7,947         10,077           36         16         24         27           3,354         3,757         4,401         6,596           21         17         15         50           3,251         3,817         4,401         6,596           0.87         1.02         1.18         1.77           21         17         15         50           45         38         33         22           0.10         0.41         0.59         0.88           0.3         1.0         1.5         2.3           3.1         4.0         4.5         5.4



A member of **MUFG** a global financial group



Karun INTRACHAI
662 - 659 7000 ext 5010
Karun.intrachai@krungsrisecurities.com

Key Data	
12-mth high/low (Bt)	71.25 / 29.25
Market capital (Btm/US\$m)	146,403 / 4,592
3m avg. turnover (Btm/US\$m)	2,117.4 / 66.4
Free float (%)	42.9
Issued shares (m shares)	3,730
Major shareholders:	
-UBS AG/SINGAPORE	29.5
-AHUNAI SOMPHOTE	23.4
-BOONSIENG MUKDA	4.5



Krungsri Securities vs Market								
	Positive	Neutral	Negative					
Market								
Recommend	7	0	3					
	Krungsri	Market	% +/-					
Target Price (Bt)	77.0	55.6	38.5					
'18 Net Profit (Btm)	4,401	5,218	(15.7)					
'19 Net Profit (Btm)	6,596	7,323	(9.9)					

Krungsri's earnings revision					
	2018F	2019F			
Earnings revision (%)	(6.8)	-			
Source: Bloombera, Krunasr	i Securities				

Disclaimer: This publication constitutes information disclosed to the public and believed to be reliable but its accuracy and completeness are not guaranteed. All opinions, suggestions, or projections are for informational purposes only and shall not be construed as an inducement for the sale or purchase of securities. Amendments to this publication may be made without prior notice. Investors are urged to exercise caution in making a decision to invest in any securities.



## EA: Hanuman wind tower



Source: Company data, Krungsri Securities

## EA: Blade lifting



Source: Company data, Krungsri Securities

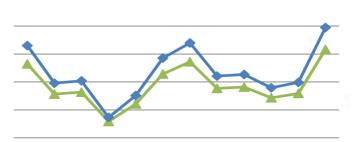
EA: Location of Hanuman towers



Source: Company data, Krungsri Securities



## Thailand: Wind speeds by season

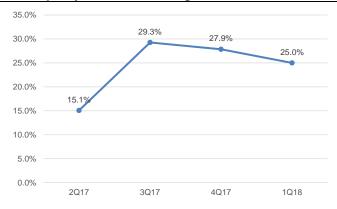


Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

→ P90 (Base case) → P50 (Best case)

Source: Company data, Krungsri Securities

## EA: Capacity factor at Had Kanghan wind farm



Source: Company data, Krungsri Securities

## **EA:** Revised assumptions

-	FY	FY18F		FY	% chg	
	old	new	% chg	old	new	% crig
Revenue (Btm)	14,069	13,454	-4.4%	17,286	17,286	0.0%
Gross margin (%)	48.1%	48.0%	-0.3%	49.7%	49.7%	0.0%
Target COD of 260MW Hanuman						
90MW Hanuman	Oct-18	Oct-18				
90MW Hanuman	Oct-18	Nov-18				
80MW Hanuman	Oct-18	Dec-18				
Core earnings (Btm)	4,723	4,401	-6.8%	6,596	6,596	0.0%

Source: Company data, Krungsri Securities

## **EA: SoTP Valuation**

Project	Project Capacity (MW)	EA's Capacity	Target Price (Bt)
Solar power business	278	278	12.8
Wind power business	386	386	13.3
Had Kanghan	126	126	4.2
Hanuman	260	260	9.2
Bio-diesel business			0.9
Energy storage business			49.9
29GW energy storage factory			21.7
500MWh overseas projects			28.2
Total			77.0

Source: Company data, Krungsri Securities



EA: Renewable energy projects

Project	Contracted capacity (MW)	Owned by EA	COD	Status	Revenue	ALR area	Location
Solar power busi	ness						
Lopburi	8	8	17-Oct-12	Sign PPA	Adder of Bt 8.0	No	Lopburi
Nakhonsawan	90	90	23-Dec-13	Sign PPA	Adder of Bt 6.5	No	Nakhonsawan
Lampang	90	90	17-Feb-15	Sign PPA	Adder of Bt 6.5	No	Lampang
Phitsanulok	90	90	01-Apr-16	Sign PPA	Adder of Bt 6.5	No	Phitsanulok
Total		278					
Wind power busi	ness						
Had Kanghan 1	36	36	3-Mar-17	Sign PPA	Adder of Bt 3.5	No	Songkla
Had Kanghan 2	45	45	10-Jun-17	Sign PPA	Adder of Bt 3.5	No	Nakohon Si Thammarat
Had Kanghan 3	45	45	23-Jun-17	Sign PPA	Adder of Bt 3.5	No	Nakohon Si Thammarat
Hanuman 1	45	45	4Q18	Sign PPA	Adder of Bt 3.5	Yes	Chaiyaphum
Hanuman 5	48	48	4Q18	Sign PPA	Adder of Bt 3.5	Yes	Chaiyaphum
Hanuman 8	45	45	4Q18	Sign PPA	Adder of Bt 3.5	Yes	Chaiyaphum
Hanuman 9	42	42	4Q18	Sign PPA	Adder of Bt 3.5	Yes	Chaiyaphum
Hanuman 10	80	80	4Q18	Sign PPA	Adder of Bt 3.5	Yes	Chaiyaphum
Total		386					

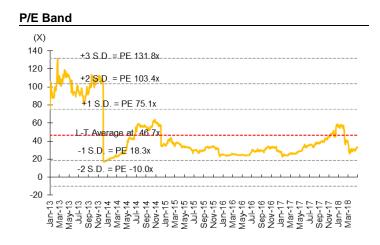
Source: Company data, Krungsri Securities

**EA: Quarterly Earnings** 

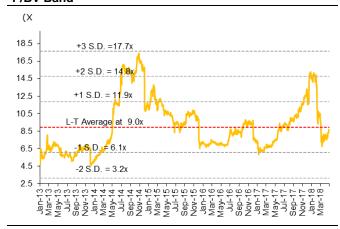
YE Dec (Bt mn)	1Q17	2Q17	3Q17	4Q17	1Q18
Revenue	2,646	2,933	3,097	2,904	2,929
Gross profit	1,301	1,370	1,475	1,388	1,474
SG&A	(143)	(145)	(169)	(211)	(187)
Net other income	48	12	1	33	5
EBIT	1,158	1,225	1,306	1,177	1,287
Share profit of associates	(11)	4	(9)	(46)	(9)
Interest expense	(249)	(284)	(331)	(321)	(289)
Extra items (Inc. FX)	33	9	7	12	919
Taxes	1	1	1	39	9
Core profit	947	958	969	883	1,028
Net profit	979	966	976	895	1,947
EBITDA	1,475	1,583	1,666	1,671	1,728
Core EPS (Bt)	0.25	0.26	0.26	0.24	0.28
EPS (Bt)	0.26	0.26	0.26	0.24	0.52
Key Ratios					
Gross margin (%)	49.2	46.7	47.6	47.8	50.3
SG&A/Revenue (%)	5.4	4.9	5.5	7.3	6.4
EBITDA margin (%)	55.7	54.0	53.8	57.5	59.0
Interest Coverage (x)	4.9	4.4	3.9	3.7	7.7
Net profit margin (%)	37.0	32.9	31.5	30.8	66.5

Source: Company data, Krungsri Securities





# P/BV Band



Source: Bloomberg, Krungsri Securities

Source: Bloomberg, Krungsri Securities

**Peer Comparison** 

		Market	Р	E	P/	BV	EP	S	Div Yield	d ROE		Shar	e Price	
		Cap	()	<b>(</b> )	(:	x)	G <sup>o</sup>	%	(%)	(%)		Perfo	rmance	
<b>BB Ticker</b>	Name	US\$	18F	19F	18F	19F	18F	19F	18F	18F	1M	3M	6M	YTD
Thailand														
EA TB	ENERGY ABSOLUTE PCL	4,590	33.3	22.2	8.6	7.2	15.3	49.9	1.5	27.8	7.5	(41.6)	(15.1)	(25.2)
DEMCO TB	DEMCO PCL	108	15.1	13.2	1.0	1.0	N/A	14.1	3.3	9.3	(5.6)	(12.6)	(22.0)	(21.3)
GUNKUL TE	GUNKUL ENGINEERING PCL	771	17.6	12.7	2.3	2.0	111.1	37.9	2.5	12.7	14.4	(13.9)	(20.1)	(15.7)
SPCG TB	SPCG PCL	660	7.7	7.2	1.8	1.5	3.2	6.5	5.7	24.4	0.9	(11.8)	(5.3)	(1.4)
ТРСН ТВ	TPC POWER HOLDINGS PCL	135	10.2	8.6	1.6	1.4	101.0	19.1	2.3	17.1	9.7	(22.5)	(32.3)	(25.7)
	Average (simple)		16.8	12.8	3.1	2.6	57.6	25.5	3.1	18.2				

Source: Bloomberg, Krungsri Securities



INCOME STATEMENT (Btm)	2016	2017	2018F	2019F	2020F
Turnover	10,392	11,580	13,454	17,286	22,438
Cost of sales (COGS)	(5,637)	(6,046)	(7,001)	(8,692)	(13,150)
Depreciation & amortization	(1,116)	(1,528)	(2,126)	(2,127)	(2,368)
Gross profit	4,755	5,534	6,452	8,594	9,288
S&A expenses	(458)	(667)	(631)	(645)	(899)
Operating profit	4,297	4,867	5,821	7,950	8,389
Other operating income	0	0	0	0	0
EBIT	4,297	4,867	5,821	7,950	8,389
Interest expense	(995)	(1,184)	(1,384)	(1,351)	(1,168)
Interest income	0	0	0	0	0
Other income	47	94	0	0	0
Goodwill amortization	0	0	0	0	0
Pre-tax profit	3,349	3,777	4,437	6,599	7,221
Income tax on company & subsidiaries	6	42	(5)	(3)	(3)
Profit after tax	3,355	3,819	4,432	6,596	7,218
Minority interests	(1)	(0)	0	0	0
Share of associate net income	0	(62)	(31)	0	35
Preferred dividends	0	0	0	0	0
Recurring attributable net profit	3,354	3,757	4,401	6,596	7,253
FX & Extraordinary items	(102)	61	0	0	0
Reported net profit	3,251	3,817	4,401	6,596	7,253
Shares in issue (Y/E, m)	3,730	3,730	3,730	3,730	3,730
EPS (Bt)	0.87	1.02	1.18	1.77	1.94
DPS (Bt)	0.10	0.41	0.59	0.88	0.97
DPS/EPS (%)	11	40	50	50	50
CASH FLOW (Btm)	2016	2017	2018F	2019F	2020F
Net profit	3,251	3,817	4,401	6,596	7,253
Depreciation and amortization	1,232	1,528	2,126	2,127	2,368
Change in working capital	(307)	(299)	(227)	(330)	(173)
Other operating activities	775	1,175	0	0	0
Operating cash flow	4,951	6,221	6,301	8,393	9,447
Net capital expenditure	(8,208)	(3,379)	(14,100)	(12,000)	(11,000)
Free cash flow	(3,256)	2,843	(7,799)	(3,607)	(1,553)
Other investing activities	373	1,256	0	0	0
Investing cash flow	(7,835)	(2,123)	(14,100)	(12,000)	(11,000)
Equity issued	0	0	0	0	0
<b>—</b> 1.4		()			

6,158

(1,130)

4,946

2,063

2,673

610

(81)

(682)

(57)

(1,527)

(2,266)

1,833

2,673

4,506

7,440

5,240

4,506

1,946

(2,560)

(2,201)

5,705

2,407

1,946

746

(1,201)

(3,298)

4,705

1,078 (474) **746** 

271

0

(3,626)

Debt financing

Dividend paid

Net cash

Other financing activities

Financing cash flow

**Beginning cash** 

**Ending cash** 

43.3

32.7

42.0

33.0

46.0

38.2

37.4

32.3



BALANCE SHEET (Btm)	2016	2017	2018F	2019F	2020F
Cash & equivalents	2,673	4,506	1,946	746	271
A/C receivable	1,319	1,707	1,983	2,548	3,308
Inventory	187	128	138	186	305
Others	1,953	682	682	682	682
<b>Total Current Assets</b>	6,132	7,022	4,749	4,161	4,566
Property and equipment	33,518	36,174	48,148	58,021	66,654
Investments & associates	424	101	101	101	101
Other assets	1,433	1,233	1,233	1,233	1,233
Total Assets	41,507	44,530	54,231	63,517	72,553
Short-term debt	2,591	1,312	4,548	4,548	4,548
A/C payable	555	756	816	1,098	1,804
Other current liabilities	392	519	519	519	519
Total Current Liabilities	3,538	2,587	5,883	6,165	6,871
Long-term debt	25,779	26,383	30,587	36,292	40,996
Other liabilities	800	817	817	817	817
Total Liabilities	30,118	29,787	37,287	43,274	48,685
Share capital	373	373	373	373	373
Share premium	3,634	3,660	3,660	3,660	3,660
Retained earnings	7,377	10,634	12,835	16,133	19,759
Total ordinary equity	11,383	14,667	16,868	20,166	23,792
Preferred equity	0	0	0	0	0
Minorities	6	76	76	76	76
Total equity & minorities	11,389	14,743	16,944	20,242	23,868
	2016	2017	2018F	2019F	2020F
Growth (%)					
Turnover	13.0	11.4	16.2	28.5	29.8
EBITDA	36.0	15.7	24.3	26.8	6.8
EBIT	28.4	13.3	19.6	36.6	5.5
Net profit	21.0	17.4	15.3	49.9	10.0
EPS	21.0	17.4	15.3	49.9	10.0
Profitability (%)					
Gross profit margin	45.8	47.8	48.0	49.7	41.4
EBITDA margin	53.2	55.2	59.1	58.3	47.9
EDIT	44.0	40.0	40.0	40.0	07.4

ROA	8.7	8.9	8.9	11.2	10.7
ROE	32.7	29.2	27.8	35.5	32.9
S&A/turnover	4.4	5.8	4.7	3.7	4.0
Leverage ratio (x)					
D/E	2.6	2.0	2.2	2.1	2.0
Net D/E	2.3	1.6	2.0	2.0	1.9
Interest coverage	4.3	4.2	4.2	5.9	7.2
Per share (Bt)					
EPS	0.9	1.0	1.2	1.8	1.9
BVPS	3.1	4.0	4.5	5.4	6.4
DPS	0.1	0.4	0.6	0.9	1.0

41.3

31.3

EBIT margin

Net profit margin



## CG Rating 2016 Companies with CG Rating

AMATA	AOT	BAFS	BAY	BCP	BIGC	) E	BTS	BWG		Ch	(	CPI	=	CPN	C	CSL	DELTA	DEMCO
DRT	DTAC	DTC E	ASTW	EGCO	GFP1	ΓG	PSC	GRAMM	ΙΥ	HAN	۱A	HMPI	RO	INTUC	H IF	RPC	IVL	KBANK
KCE	KKP	KTB	KTC	LHBANK	LPN	N	ЛВK	MCOT		MIN	IT	MON	Ю	NKI	N	IYT	ОТО	PHOL
PPS	PS	PSL	PTT	PTTEP	PTTG	С	QH	QTC		RAT	CH	SAMA	.RT	SAMTE	EL S	SAT	SC	SCB
SCC	SCCC	SE-ED	SIM	SITHAI	SNC	S	PALI	SSSC		STE	C	SV	l	TCAF	P TH	СОМ	TISCO	TKT
TMB	TNDT	TOP	TSC	TTCL	TU		UV	VGI		WAC	DAL	WAV	Έ					
2S	AAV	ACAP	ADV	ANC	AGE	AH		AHC	Ak	(P	ALUC	ON	AMANA	AΗ	ANAN	AP	APCO	APCS
ARIP	ASIA	ASIMA	R AS	SK	ASP	AUC	T	AYUD	BAN	IPU	BBL	_	BDMS	S	BEM	BFIT	BLA	BOL
BROOK	CEN	CENTE	L CFR	ESH	CGH	CHO	3	CHO	CHO	WC	CI		CIMB	Т	CKP	CM	CNS	CNT
COL	CPI	DCC	E	A	ECF	EE		ERW	FOF	RTH	FPI		GCAF	>	GLOBAL	GBX	GC	GL
GLOW	GUNKUL	. НОТРО	T HYE	PRO	ICC	ICH	I	IFEC	IN	ΕT	IRC	;	JSP		K	KSL	KTIS	L&E
LANNA	LH	LHK	LI	Т	LOXLEY	LRH	1	LST	Ν	Л	MAC	0	MALE	E	MBKET	MC	MEGA	MFC
MOONG	MSC	MTI	MT	LS	NCH	NOB	LE	NSI	NT	ΓV	OCC	2	OGC	;	OISHI	ORI	PACE	PAP
PCSGH	PDI	PE	Р	G	PJW	PLAN	ΝB	PM	PF	PP	PR		PRAN	DA	PREM	PRG	PRINC	PT
PTG	PYLON	Q-CON	RIC	HY	ROBINS	RS		RWI	5	3	SAMO	CO	SABIN	IA	SALEE	S&J	SCG	SEAFO
SIAM	SINGER	SIS	SN	ИK	SMPC	SM	Γ	SNP	SI	PI	SPP	Т	SPRO		SR	SSF	SST	STA
SUSCO	SUTHA	SWC	SY	MC	SYNEX	SYTN	EC	TAE	TAK	UNI	TASC	CO	TBSC		TCC	TF	TFI	TGCI
AEC	AEONTS	AF	AIRA	Al	T A	۸J	AKR	AMAR	RIN	AMA <sup>°</sup>	TAV	ARRO	W	APUR	E A	AQUA	AMC	AS
BA	BEAUTY	BEC	BH	BI	G B	JC	BJCHI	BKC	)	В	₹	BRO	CK	BRR	E	BTNC	CBG	CGD
CHARAN	CITY	CMR	COLOR	CO	M7 C	PL	CSC	CSF	•	CS	R	CSS	3	CTW		CON	DIMET	DNA
EARTH	EASON	ECL	EFORL	EPO	CO EF	PG	ESSO	FE		FE	R	FOCI	JS	FSMAF	RT	FSS	FVC	GEL
GIFT	GLAND	GOLD	GSTEL	GY	т н	PT	HTC	HTEC	H	IF:	S	IHL		ILINK	. IN	ISURE	IRPC	IT
ITD	J	JMART	JMT	JUB	ILE JV	VD	KASET	KBS	3	KC	AR	KG	l	KKC	ŀ	KOOL	KWC	KYE
LALIN	LPH	MAJOR	MAKRO	) MAT	CH MA	ATI	M-CHAI	MD	<	MFI	EC	MJE	)	MK	MC	DDERN	MPG	NC
NCL	NDR	NEP	NOK	NU:	SA PA	TO	PCA	PDG	3	PI	F	PIC	)	PIMC		PL	PLAT	PLE
PMTA	PPM	PRIN	PSTC	QL	T R	CI	RCL	RICH	Н	RM	1L	RPC		SANK	o s	APPE	SAWAD	SCI
SCN	SCP	SEAOIL	SENA	SII	RI SI	KR	SLP	SMC	3	SM	IT	SORK	ON	SPA		SPC	SPCG	SPVI
SSC	STANLY		SUC	TAC		CC	TCMC	TEA	М	TF	D	TFC		TIC		TIW	TKN	TLUXE
TMD	TNP	TOPP	TPA	TP	AC TP	CH	TPIPL	TPOL		TRI	TN	TR	Г	TTI		TVI	TWP	U
UBIS	UMI	UPOIC	UT	UW	C VIE	ВНА	VPO	VTE		WIC	CE	WIII	<	WIN		XO		

#### **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 survey of the IOD 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 assessment 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 or when there is any change to the relevant information. Nevertheless, Krungsri Securities Public Company Limited does not confirm, verify, or certify the accuracy and completeness of such survey result.

# **Anti-corruption Progress Indicator 2016**

## Companies that have declared their intention to join CAC

Α	Al	AIE	AIR	AJ	ALUCON	AMATAV	AOT	APCO	AQUA	ARROW	ASIA	ASK	AU
BCH	BJC	BJCHI	BLAND	BR	BROCK	BRR	CEN	CGH	CHEWA	CHG	CHOTI	CHOW	CIG
COL	COM7	CPALL	CPF	CPR	CSC	EKH	EPCO	FC	FER	FPI	<b>FSMART</b>	GEL	GFPT
GGC	GIFT	GJS	GLOBAL	GOLD	GPSC	GREEN	GSTEL	GUNKUL	HARN	IFS	ILINK	INET	IRC
J	JMART	JMT	JUBILE	JUTHA	KASET	KBS	KCAR	KTECH	KWC	KYE	L&E	LEE	LIT
LVT	MAKRO	MATCH	MATI	MBAX	MC	MFEC	MIDA	MILL	ML	MTLS	NBC	NCL	NEP
NINE	NMG	NNCL	NTV	NUSA	NWR	OGC	PACE	PAF	PAP	PATO	PCSGH	PIMO	PK
PL	PLANB	POST	PRINC	PRO	PSTC	PYLON	QTC	ROH	ROJNA	RWI	SANKO	SAUCE	SC
SCCC	SCN	SEAOIL	SE-ED	SENA	SIRI	SMART	SPACK	SPPT	SPRC	SR	SRICHA	SST	STA
SUPER	SUSCO	SWC	SYMC	TAKUNI	TBSP	TFI	THE	TICON	TIP	TKN	TLUXE	TMILL	TMT
TNP	TPA	TRUE	TSE	TTI	TU	TVD	TVO	TVT	TWPC	U	UPA	UREKA	UWC
VGI	VIBHA	VIH	VNT	WAVE	WHA	WICE	WIIK						

### **Companies certified by CAC**

ADVANC	AKP	AMANAH	AP	ASP	AYUD	BAFS	BANPU	BAY	BBL	BCP	BKI	BLA	BROOK
BTS	BWG	CENTEL	CFRESH	CIMBT	CM	CNS	CPI	CPN	CSL	DCC	DEMCO	DIMET	DRT
DTAC	DTC	EASTW	ECL	EGCO	FE	FNS	FSS	GBX	GCAP	GLOW	HANA	HMPRO	HTC
ICC	IFEC	INTUCH	IRPC	IVL	K	KBANK	KCE	KGI	KKP	KSL	KTB	KTC	LANNA
LHBANK	LHK	LPN	MBK	MBKET	MCOT	MFC	MINT	MONO	MOONG	MSC	MTI	NKI	NSI
OCC	OCEAN	PB	PDI	PE	PG	PHOL	PLAT	PM	PPP	PPS	PRANDA	PREB	PRG
PSH	PSL	PT	PTG	PTT	PTTEP	PTTGC	Q-CON	QH	QLT	RATCH	RML	ROBINS	S&J
SABINA	SAT	SCB	SCC	SCG	SGP	SINGER	SIS	SITHAI	SMIT	SMPC	SNC	SNP	SORKON
SPC	SPI	SSF	SSI	SSSC	SVI	SYNTEC	TAE	TCAP	TCMC	TFG	TGCI	THANI	THCOM
THRE	THREL	TIPCO	TISCO	TKT	TMB	TMD	TNITY	TNL	TOG	TOP	TPCORP	TRU	TSC
TSTH	TTCL	TVI	UOBKH	WACOAL									

#### N/A

2S	AAV	ABICO	ACAP	ACC	ADAM	AEC	<b>AEONTS</b>	AF	AFC	AGE	AH	AHC	AIT
AJA	AKR	ALLA	ALT	AMA	AMARIN	AMATA	AMC	ANAN	APCS	APEX	APURE	AQ	ARIP
AS	ASAP	ASEFA	ASIAN	ASIMAR	ASN	ATP30	AUCT	BA	BAT-3K	BCPG	BDMS	BEAUTY	BEC
BEM	BFIT	BGRIM	BGT	BH	BIG	BIZ	BKD	BLISS	BM	BOL	BPP	BSBM	BSM
BTC	BTNC	BTW	BUI	CBG	CCET	CCP	CGD	CHARAN	CHO	CHUO	CI	CITY	CK
CKP	CMO	CMR	CNT	COLOR	COMAN	CPH	CPL	CRANE	CRD	CSP	CSR	CSS	CTW
CWT	D	DCON	DCORP	DELTA	DIGI	DNA	DTCI	EA	EARTH	EASON	ECF	EE	<b>EFORL</b>
EIC	EMC	EPG	ERW	ESSO	ESTAR	ETE	EVER	F&D	FANCY	FMT	FN	FOCUS	FORTH
FTE	FVC	GC	GENCO	GL	GLAND	GRAMMY	GRAND	GTB	GYT	HFT	HOTPOT	HPT	HTECH
HYDRO	ICHI	ICN	IEC	IHL	III	INGRS	INOX	INSURE	IRCP	ΙΤ	ITD	ITEL	JAS
JCT	JSP	JTS	JWD	KAMART	KC	KCM	KDH	KIAT	KKC	KOOL	KTIS	KWG	LALIN
LDC	LH	LOXLEY	LPH	LRH	LST	LTX	M	MACO	MAJOR	MALEE	MANRIN	MAX	M-CHAI
MCS	MDX	MEGA	METCO	MGT	MJD	MK	MM	MODERN	MPG	MPIC	NC	NCH	NDR
NETBAY	NEW	NEWS	NFC	NOBLE	NOK	NPK	NPP	NVD	NYT	OHTL	OISHI	ORI	OTO
PAE	PDG	PERM	PF	PICO	PJW	PLANET	PRECHA	PMTA	POLAR	POMPUI	PPM	PRAKIT	PLE
PRIN	PRM	PTL	RAM	RCI	RCL	RICH	RICHY	RJH	ROCK	RP	RPC	RPH	RS
S	S11	SAFARI	SALEE	SAM	SAMART	SAMCO	SAMTEL	SAPPE	SAWAD	SAWANG	SCI	SCP	SDC
SE	SEAFCO	SELIC	SF	SFP	SGF	SHANG	SIAM	SIMAT	SKN	SKR	SKY	SLP	SMK
SMM	SMT	SOLAR	SPA	SPALI	SPCG	SPG	SPORT	SPVI	SQ	SSC	SSP	STANLY	STAR
STEC	STHAI	STPI	SUC	SUTHA	SVH	SVOA	SYNEX	Т	TACC	TAPAC	TASCO	TC	TCB
TCC	TCCC	TCJ	TCOAT	TEAM	TFD	TFMAMA	TGPRO	TH	THAI	THANA	THIP	THL	TIC
TIW	TK	TKS	TM	TMC	TMI	TMW	TNDT	TNH	TNPC	TNR	TOA	TOPP	TPAC
TPBI	TPCH	TPIPL	TPIPP	TPOLY	TPP	TR	TRC	TRITN	TRT	TRUBB	TSF	TSI	TSR
TSTE	TTA	TTL	TTTM	TTW	TUCC	TWP	TWZ	TYCN	UAC	UBIS	UEC	UKEM	UMI
UMS	UNIQ	UP	UPF	UPOIC	UT	UTP	UV	UVAN	VARO	VI	VNG	VPO	VTE
WG	WHAUP	WIN	WINNER	WORK	WORLD.	WP	WPH	WR	XΟ	YCI	YNP	YUASA	ZIGA

### **Disclaimer**

ZMICO

The disclosure of the Anti-Corruption Progress Indicators of a listed company on the Stock Exchange of Thailand, which is assessed by Thaipat Institute, is made in order to comply with the policy and sustainable development plan for the listed companies of the Office of the Securities and Exchange Commission. Thaipat Institute 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 Thaipat Institute that is 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, Krungsri Securities Public Company Limited does not confirm, verify, or certify the accuracy and completeness of the assessment result."

#### Reference

Disclosure: Companies participating in Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors (as of July 31, 2017) are categorised into:

- Companies that have declared their intention to join CAC
- Companies certified by CAC.



# **Krungsri Securities Public Company Limited**

# Headquarters

898 Ploenchit Tower, 3rd Floor, Ploenchit Road, Lumpini

Pathumwan, Bangkok 10330 Tel: 0-2659-7000 Fax: 0-2658-5699 Internet Trading: 0-2659-7777

#### **Branches**

#### **Emporium**

662 Emporium Tower, Fl. 10, Sukhumvit 24 Road Klongton, Klongtoey, Bangkok 10110 Tel: 0-2695-4500 Fax: 0-2695-4599

#### Central Bangna

589/151 Central City Tower 1 Office, Fl. 27 Bangna-Trad Road, Bangna, Bangkok 10260 Tel: 0-2763-2000 Fax: 0-2399-1448

#### Rama II

111/917-919 Rama II Road, Smaedum, Bangkhuntien, Bangkok 10150 Tel: 0-2013-7145 Fax: 0-2895-9557

#### Vibhavadi-rangsit

Bank of Ayudhya Public Company Limited 123 Suntowers (B) Building, Vibhavadirangsit Road, Jompol, Jatujak, Bangkok 10900 Tel: 0-2273-8388 Fax: 0-2273-8399

#### Chonburi

64/17 Sukhumvit Road, Tambol Bang Plasoi, Amphur Muang, Chonburi 20000 Tel: 0-3312-6580 Fax: 0-3312-6588

#### Hat Yai Branch

90-92-94 Nipat U Tit Nueng Road,Tambol Hat Yai, Amphur Hat Yai, Songkhla 90110 Tel: 0-7422-1229 Fax: 0-7422-1411

#### **Nakhon Pathom**

67/1 Ratchadamnoen Road, Tambol Phra Pathom Jaedee, Amphur Muang, Nakhon Pathom 73000 Tel: 0-3427-5500-7 Fax: 0-3421-8989

#### Suphanburi

249/171-172 Moo 5 Tambol Ta Rahad, Amphur Muang, Suphanburi, 72000 Tel: 0-3596-7981 Fax: 0-3552-2449

#### Nakhon Ratchasima

168 Chomphon Road, Tambol Nai Muang, Amphur Muang Nakhon Ratchasima, Nakhon Ratchasima 30000 Tel: 0-4425-1211-4 Fax: 0-4425-1215

#### Khon Kaen

114 Sri Chan Road, Tambol Nai Muang, Amphur Muang, Khon Kaen 40000 Tel: 0-4322-6120 Fax: 0-4322-6180

#### **Chiang Mai**

70 Chang Phuak Road, Tambol Sri Phum Amphur Muang, Chiang Mai 50200 Tel: 0-5321-9234-6 Fax: 0-5321-9247

## **Chiang Rai**

231-232 Thamalai Road, Tambol Wiang, Amphur Muang, Chiang Rai 57000 Tel: 0-5371-6489 Fax: 0-5371-6490

#### Phitsanulok

275/1 Phichaisongkram Road, Tambol Nai Muang, Amphur Muang, Phitsanulok 65000 Tel: 0-5530-3360 Fax: 0-5530-2580

Analyst Team	Sector Coverage	Central line: 662-659-7000	E-mail
Naphat Chantaraserekul, Head of Research	Energy, Petrochemical, Strategy	ext. 5000	naphat.chantaraserekul@krungsrisecurities.com
Kittisorn Pruitipat, CFA, FRM	Property, ICT, Contractor	ext. 5019	kittisorn.pruitipat@krungsrisecurities.com
Jesada Techahusdin, CFA	Banking, Consumer Finance, Insurance	ext. 5004	jesada.techahusdin@krungsrisecurities.com
Sunthorn Thongthip	Food, Transportation, Strategy	ext. 5009	sunthorn.thongthip@Krungsrisecurities.com
Worrapong Tuntiwutthipong	Electronic, Automotive, Commerce	ext. 5016	worrapong.tuntiwutthipong@krungsrisecurities.com
Karun Intrachai	Renewable Energy, Food	ext. 5010	karun.intrachai@krungsrisecurities.com
Teerapol Udomvej	Healthcare, Tourism	ext. 5012	teerapol.udomvej@krungsrisecurities.com
Kitti Pitakteerabandit	Transportation, Media	ext. 5008	kitti.pitakteerabandit@krungsrisecurities.com
Artit Jansawang	Mid - Small cap, MAI	ext. 5005	artit.jansawang@krungsrisecurities.com
Kaushal Ladha, CFA, Assistant Analyst	Strategy		
Nalinee Praman, Assistant Analyst	Mid - Small cap, MAI		
Chaiyot Jiwagkul	Technical	ext. 5006	chaiyot.jiwagkul@krungsrisecurities.com
Definition of Ratings		Fax 662-658-5643	

**Definition of Ratings OUTPERFORM** - Stoo

- Stocks with an expected capital gain above 10% in the next 12 months for small-caps, above 5% for big-caps

NEUTRAL - Stocks with an expected capital gain between -10% and +10% in the next 12 months for small-caps, -5% to +5% for big-caps

UNDERPERFORM - Stocks with an expected capital gain below 10% in the next 12 months for small-caps, below 5% for big-caps

www.krungsrisecurities.com