# Stronger momentum in 2H



Maintain Rating: BUY | PO: 9.10 THB | Price: 7.30 THB

# Earnings fine-tuned, PO maintained

We fine-tuned our estimates and maintained our PO of Bt9.1/share. We see a stronger momentum for AP in 2H. We like AP on its diversified portfolio, strong landed property momentum, high backlog at the JV level and its undemanding valuations based on our 2020/21E.

# Operations update

AP's business strategy has proven successful in expanding its portfolio by having Mitsubishi as its key JV partner for most of its condo projects and growing landed property in a diversified segment. This was reflected in strong presales momentum of Bt20.8bn in 1H (up 20% YoY) and YTD presales of Bt26bn, which accounts for 67% of its Bt39bn presales target. Landed property presales remained firm at Bt522mn/week in 3Q-to-date. If we assume a 15% cancellation rate, the figure remains high at Bt444mn/week, up by 14% from 2Q.

# Strong presales and earnings in 4Q

We expect presales momentum to remain firm in 2H as AP will launch 17 landed property projects and two condo projects in 2H. AP's 2019 new launches will total 35 projects valued at Bt57bn. The Life Sathorn Sierra (Bt6.3bn) condo will be launched this weekend but we don't expect presales to be exciting. We should see stronger presales in 4Q with more launches of landed property and Rhythm Chaorenkrung (Bt4.7bn). While 3Q revenue should pick up QoQ, 4Q revenue should be the strongest quarter this year. This is supported by its high landed property backlog and transfers of condo projects. Note that AP has secured 90% of our 2019 revenue forecast.

# Solid growth in 2020E with high JV backlog

We expect pre-ex NI in 2019E to contract by 6%, however, there could be earnings upside from stronger transfers of condo under JV, Life One Wireless. A stronger growth of 20% is expected in 2020E, derived by higher equity income. AP has a high condo backlog for JV projects, which has secured over 95% for our JV revenue forecast for 2019E-2020E.

#### Estimates (Dec)

(Bt)	2017A	2018A	2019E	2020E	2021E
Net Income (Adjusted - mn)	3,157	3,865	3,619	4,367	5,054
EPS	1.00	1.23	1.15	1.39	1.61
EPS Change (YoY)	16.8%	22.4%	-6.4%	20.6%	15.7%
Dividend / Share	0.350	0.442	0.414	0.500	0.578
Free Cash Flow / Share	(0.622)	(0.759)	(0.593)	0.166	0.298

#### Valuation (Dec)

	2017A	2018A	2019E	2020E	2021E
P/E	7.27x	5.94x	6.35x	5.26x	4.54x
Dividend Yield	4.79%	6.06%	5.67%	6.85%	7.92%
EV / EBITDA*	16.13x	14.25x	14.30x	12.38x	10.94x
Free Cash Flow Yield*	-8.56%	-10.44%	-8.15%	2.28%	4.10%

<sup>\*</sup> For full definitions of *iQmethod*<sup>SM</sup> measures, see page 7.

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Analyst Certification on page 5. Price Objective Basis/Risk on page 5.

Equity | 02 September 2019

# **Key Changes**

(Bt)	Previous	Current
2019E EPS	1.17	1.15
2020E EPS	1.36	1.39
2021E EPS	1.62	1.61
2019E EBITDA (m)	3,362.8	3,208.8
2020E EBITDA (m)	3,727.3	3,706.9
2021E EBITDA (m)	4,147.5	4,194.8

Jiraporn Linmaneechote ^^^

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#### Stock Data

Price	7.30 THB
Price Objective	9.10 THB
Date Established	28-Mar-2019
Investment Opinion	B-1-7
52-Week Range	5.80 THB-9.55 THB
Mrkt Val / Shares Out (mn)	747 USD / 3,133.1
Market Value (mn)	22,872 THB
Average Daily Value (mn)	2.24 USD
Free Float	52.5%
BofAML Ticker / Exchange	XPPKF / SET
Bloomberg / Reuters	AP TB / AP.BK
ROE (2019E)	14.1%
Net Dbt to Eqty (Dec-2018A)	78.9%

# *iQprofile*<sup>™</sup>AP (Thailand)

Key Income Statement Data (Dec)	2017A	2018A	2019E	2020E	2021E
(Bt Millions)					
Sales	21,595	27,219	26,754	27,769	30,259
Gross Profit	7,333	8,880	8,703	9,290	10,219
Sell General & Admin Expense	(4,543)	(5,731)	(5,582)	(5,680)	(6,130)
Operating Profit	2,790	3,150	3,121	3,609	4,089
Net Interest & Other Income	509	353	572	458	395
Associates	NA	NA	NA	NA	NA
Pretax Income	3,300	3,503	3,693	4,068	4,484
Tax (expense) / Benefit	(722)	(777)	(739)	(814)	(897)
Net Income (Adjusted)	3,157	3,865	3,619	4,367	5,054
Average Fully Diluted Shares Outstanding	3,146	3,146	3,146	3,146	3,146
Key Cash Flow Statement Data					
Net Income	3,089	3,861	3,619	4,367	5,054
Depreciation & Amortization	54	70	88	98	106
Change in Working Capital	(4,453)	(4,990)	(4,778)	(2,703)	(2,632)
Deferred Taxation Charge	NÁ	NÁ	NA	NA	NÁ
Other Adjustments, Net	(424)	(1,111)	(643)	(1,089)	(1,441)
Cash Flow from Operations	(1,735)	(2,170)	(1,715)	672	1,087
Capital Expenditure	(222)	(217)	(150)	(150)	(150)
(Acquisition) / Disposal of Investments	(766)	1,424	Ó	Ô	Ó
Other Cash Inflow / (Outflow)	(14)	5	(10)	(10)	(10)
Cash Flow from Investing	(1,002)	1,212	(160)	(160)	(160)
Shares Issue / (Repurchase)	Ó	0	Ò	Ò	Ó
Cost of Dividends Paid	(944)	(1,101)	(1,392)	(1,303)	(1,572)
Cash Flow from Financing	2,704	855	1,424	(512)	(927)
Free Cash Flow	(1,957)	(2,387)	(1,865)	`522	937
Net Debt	17,348	19,323	22,587	23,389	24,047
Change in Net Debt	3,694	1,976	3,264	803	658
Key Balance Sheet Data					
Property, Plant & Equipment	336	483	545	597	641
Other Non-Current Assets	5,205	4,947	5,611	6,722	8,186
Trade Receivables	390	383	376	391	426
Cash & Equivalents	1,054	951	500	500	500
Other Current Assets	36,951	42,631	47,180	50,112	53,041
Total Assets	43,936	49,395	54,213	58,321	62,794
Long-Term Debt	9,440	13,240	11,672	7,072	3,072
Other Non-Current Liabilities	372	417	417	417	417
Short-Term Debt	8,962	7,035	11,415	16,817	21,475
Other Current Liabilities	3,530	4,212	3,977	4,219	4,552
Total Liabilities	22,303	24,904	27,481	28,526	29,516
Total Equity	21,633	24,491	26,732	29,795	33,278
Total Equity & Liabilities	43,936	49,395	54,213	58,321	62,794
iQmethod <sup>SM</sup> - Bus Performance*	40,000	40,000	04,210	00,021	02,704
Return On Capital Employed	5.8%	5.7%	5.2%	5.5%	5.8%
Return On Equity	15.4%	16.8%	14.1%	15.4%	16.0%
Operating Margin	13.2%	11.8%	12.0%	13.3%	13.9%
EBITDA Margin	13.2%	11.8%	12.0%	13.3%	13.9%
iQmethod <sup>sM</sup> - Quality of Earnings*	13.2 /0	11.070	12.0 /0	10.0 /0	10.070
Cash Realization Ratio	-0.5x	-0.6x	-0.5x	0.2x	0.2x
Asset Replacement Ratio	-0.5x 4.1x	-0.0x 3.1x	-0.5x 1.7x	1.5x	1.4x
Tax Rate (Reported)	21.9%	22.2%	20.0%	20.0%	20.0%
Net Debt-to-Equity Ratio	80.2%	78.9%	84.5%	78.5%	72.3%
Interest Cover	00.2% 18.5x	76.9% 25.6x	04.5% 13.2x	12.0x	12.3% 11.1x
	10.38	2J.UX	13.28	12.01	11.1X
* For full definitions of 10 method 5M measures, see page					

<sup>\*</sup> For full definitions of *IQ*method<sup>SM</sup> measures, see page 7.

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# **Company Sector**

Real Estate/Property

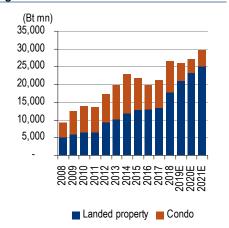
# **Company Description**

AP is one of the top seven residential developers in Thailand. Its concentration is mainly in Bangkok Metropolitan Area. AP's brand names are well-recognized among homebuyers. Its strategy is to acquire land only when it plans to develop a new project within a year. Economic condition and political stability are key concerns since they affect demand/ presales. No ADRs

#### **Investment Rationale**

Our view on AP is premised on expected sustainable growth profile, which is supported by the contributions from its joint venture investment. AP continued to show strong presales, which can be attributed to its successful strategy in growing its portfolio in landed property with more diversified locations. AP's valuations are also not demanding on our 2020/21 estimates.

Figure 1: AP - Revenue breakdown



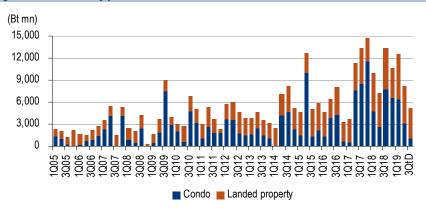
Source: Company, Phatra Securities estimates

# Stock Data

Price to Book Value 0.9x

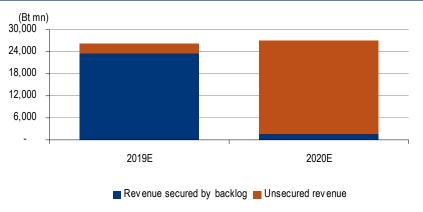


Figure 2: AP - Quarterly presales



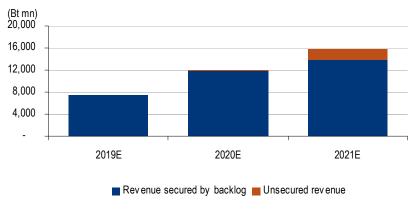
Source: Company, Phatra Securities estimates

Figure 3: AP - Revenue secured by backlog on hand



Source: Company, Phatra Securities estimates

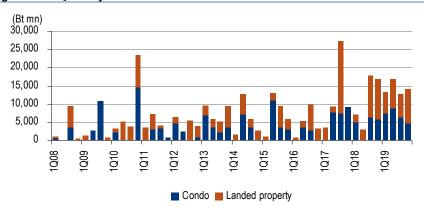
Figure 4: AP - JV revenue is highly secured by backlog on hand



Source: Company, Phatra Securities estimates



Figure 5: AP - Quarterly launches



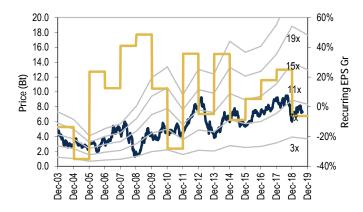
Source: Company, Phatra Securities estimates

**Figure 6: Property Comp** 

		Price I	Market cap	Core	EPS gro	wth	Co	re PER ()	()	Υ	'ield (%)		PBV (x)	RO	E	Housin	g P/E
		(Bt)	(US\$ mn)	2018A	2019E	2020E	2018A	2019E	2020E	2018A	2019E	2020E	2019E	2019E	2020E	2019E	2020E
AP Thailand	AP	7.30	750	25.0%	-6.3%	20.6%	5.95	6.35	5.26	6.06	5.67	6.85	0.86	14.1%	15.4%	6.35	5.26
Supalai	SPALI	19.70	1,379	-9.5%	9.4%	13.0%	7.32	6.69	5.91	4.86	5.38	6.09	1.11	17.6%	17.8%	6.69	5.91
Land and Houses	s LH	10.80	4,217	1.9%	-5.8%	14.4%	13.78	14.63	12.79	6.94	6.86	6.65	2.50	17.4%	19.3%	3.34	2.81
Quality Houses	QH	2.94	1,029	14.4%	-8.8%	4.9%	8.30	9.10	8.68	7.48	6.74	7.14	1.15	12.9%	12.9%	(15.59)	(12.61)
LPN Develop	LPN	6.15	294	28.7%	-0.8%	0.7%	6.64	6.69	6.64	9.76	9.55	9.75	0.68	10.3%	10.0%	6.69	6.64
Pruksa Holding	PSH	19.40	1,387	10.2%	-10.2%	0.5%	7.04	7.84	7.81	7.99	7.12	7.20	0.98	12.8%	12.2%	7.84	7.81
Sansiri*	SIRI	1.38	649	-29.5%	-2.3%	2.8%	9.63	9.86	9.59	7.12	6.50	6.26	0.66	6.7%	6.7%	9.86	9.59
Ananda Develop	' ANAN	3.24	353	111.2%	-30.7%	22.4%	4.51	6.52	5.32	5.63	6.72	5.91	0.65	10.1%	11.7%	6.52	5.32
SC Asset*	SC	2.64	361	31.8%	0.7%	21.6%	6.19	6.14	5.06	6.06	6.51	7.91	0.64	11.3%	11.1%	6.14	5.06
Average				7.4%	-5.4%	11.2%	9.89	10.44	9.37	6.81	6.64	6.79	1.57	13.3%	14.0%	3.44	3.23

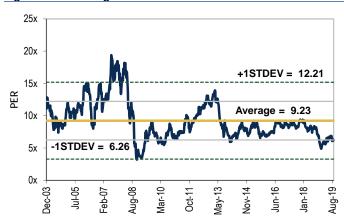
Source: Companies, Phatra Securities estimates (\*Bloomberg consensus for non-rated stocks)

Figure 7: AP – P/E Band



Source: SET, Phatra Securities estimates

Figure 8: AP - Trailing P/E



Source: SET, Phatra Securities estimates

# Price objective basis & risk

# AP (Thailand) (XPPKF)

Our 12-month price objective (PO) of Bt9.1/share is based on the average valuations of 1) FY19 P/E of 8.0x, which is a 7% discount to peers and 15% discount of the 10-year trailing P/E of mid-cap property companies - we think this is justified by its current weaker revenue visibility and earnings contraction in 2019E. and 2) the sum of discounted cash flow (DCF) valuation and value of joint venture investment at book value. Note that we apply 20% on DCF valuations to reflect sector headwinds. We use discount rate of 9.0%, which already factored in 20% premium on market risk premium and terminal growth rate of 2%. While the P/E target will usually focus more on short-term earnings, we also use a DCF to reflect the backlog on hand for future revenue.

Downside risks to our PO are worse-than-expected presales momentum, weaker-than-expected GDP growth, higher-than-expected competition among developers, lower-than-expected presales, tighter mortgage financing policy from commercial banks, rising construction cost and a stronger-than-expected increase in interest rates.

# **Analyst Certification**

I, Jiraporn Linmaneechote, hereby certify that the views expressed in this research report accurately reflect my personal views about the subject securities and issuers. I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or view expressed in this research report.

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# **ASEAN - Property Coverage Cluster**

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nvestment rating	Company	ticker	Bloomberg symbol	Analyst
BUY				
	AP (Thailand)	XPPKF	AP TB	Jiraporn Linmaneechote
	Ascendas REIT	ACDSF	AREIT SP	Donald Chua
	Ayala Land, Inc.	AYAAF	ALI PM	Ping Javier, CFA
	Bumi Serpong Damai	BSPDF	BSDE IJ	Donald Chua
	Capitaland	CLLDF	CAPL SP	Donald Chua
	CapitaLand Commercial Trust	CMIAF	CCT SP	Donald Chua
	CapitaLand Mall Trust	CPAMF	CT SP	Donald Chua
	Central Pattana Public Co., Ltd.	XENRF	CPN TB	Jiraporn Linmaneechote
	Frasers Centrepoint Trust	FRZCF	FCT SP	Donald Chua
	Land & Houses	LDXHF	LH TB	Jiraporn Linmaneechote
	Land & Houses -F	LDHOF	LH/F TB	Jiraporn Linmaneechote
	Megaworld Corporation	MGAWF	MEG PM	Ping Javier, CFA
	Quality Houses	QHPSF	QH TB	Jiraporn Linmaneechote
	Robinsons Land Corporation	RBLAF	RLC PM	Ping Javier, CFA
	Summarecon Agung TBK PT	PSAHF	SMRA IJ	Donald Chua
	Supalai	XPAYF	SPALI TB	Jiraporn Linmaneechote
	UOL Group	UOLGF	UOL SP	Donald Chua
NEUTRAL	·			
	Mapletree Commercial Trust	MPCMF	MCT SP	Donald Chua
	Mapletree Logistics Trust	MAPGF	MLT SP	Donald Chua
	Prime US REIT	XPURF	PRIME SP	Donald Chua
	Siam City	SAMUF	SCCC TB	Jiraporn Linmaneechote
	Tesco Lotus Retail Growth Property Fund	XXZLF	TLGF TB	Sirichai Chalokepunrat
JNDERPERFORM			<u> </u>	
-	Alam Sutera Realty TBK PT	XUSTF	ASRI IJ	Donald Chua
	Ciputra Development TBK PT	PTCDF	CTRA IJ	Donald Chua
	Frasers Property Ltd	FSRPF	FPL SP	Donald Chua
	Keppel REIT	KREVF	KREIT SP	Donald Chua
	LPN Devp Pub Co	LDVPF	LPN TB	Jiraporn Linmaneechote
	Mapletree Industrial Trust	MAPIF	MINT SP	Donald Chua
	Pruksa Holding Pcl.	PKARF	PSH TB	Jiraporn Linmaneechote
	SM Prime Holdings, Inc.	SPHXF	SMPH PM	Ping Javier, CFA
	Suntec REIT	SURVF	SUN SP	Donald Chua
RSTR	Carros (NEI)	001111	3011 01	2 State Office
NO III	CDL Hospitality Trusts	CDHSF	CDREIT SP	Donald Chua
	City Developments	CDEVF	CIT SP	Donald Chua



## *iQ*method<sup>SM</sup> Measures Definitions

**Business Performance** Numerator Denominator

NOPAT = (EBIT + Interest Income) \* (1 - Tax Rate) + Goodwill Amortization Total Assets - Current Liabilities + ST Debt + Accumulated Goodwill Return On Capital Employed

Amortization

Return On Equity Shareholders' Equity Net Income Operating Margin Operating Profit Sales

Expected 5-Year CAGR From Latest Actual Earnings Growth N/A Free Cash Flow Cash Flow From Operations - Total Capex N/A

**Quality of Earnings** 

Cash Realization Ratio Cash Flow From Operations Net Income Asset Replacement Ratio Depreciation Capex Tax Rate Tax Charge Pre-Tax Income Net Debt = Total Debt, Less Cash & Equivalents Net Debt-To-Equity Ratio **Total Equity** Interest Expense **EBIT** 

Interest Cover

Valuation Toolkit

Price / Earnings Ratio **Current Share Price** Diluted Earnings Per Share (Basis As Specified) Price / Book Value **Current Share Price** Shareholders' Equity / Current Basic Shares

Annualised Declared Cash Dividend Dividend Yield **Current Share Price** 

Free Cash Flow Yield Market Cap. = Current Share Price \* Current Basic Shares Cash Flow From Operations - Total Capex

Enterprise Value / Sales EV = Current Share Price \* Current Shares + Minority Equity + Net Debt + Sales

Other LT Liabilities

EV / EBITDA Enterprise Value Basic EBIT + Depreciation + Amortization

IQmethod <sup>34</sup> is the set of BofA Merrill Lynch standard measures that serve to maintain global consistency under three broad headings: Business Performance, Quality of Earnings, and validations. The key features of iQmethod are: A consistently structured, detailed, and transparent methodology. Guidelines to maximize the effectiveness of the comparative valuation process, and to identify some common pitfalls.

IQdatabase\* is our real-time global research database that is sourced directly from our equity analysts' earnings models and includes forecasted as well as historical data for income statements, balance sheets, and cash flow statements for companies covered by BofA Merrill Lynch.

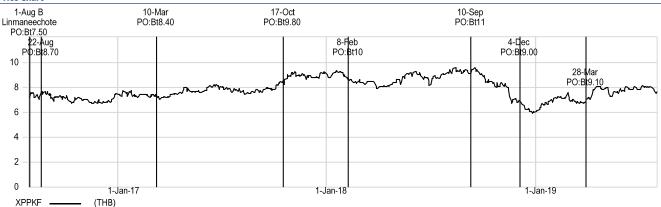
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# **Disclosures**

# Important Disclosures

#### **XPPKF Price Chart**



B: Buy, N: Neutral, U: Underperform, PO: Price Objective, NA: No longer valid, NR: No Rating

The Investment Opinion System is contained at the end of the report under the heading "Fundamental Equity Opinion Key". Dark grey shading indicates the security is restricted with the opinion suspended. Medium grey shading indicates the security is under review with the opinion withdrawn. Light grey shading indicates the security is not covered. Chart is current as of July 31, 2019 or such later date as indicated.

#### Equity Investment Rating Distribution: Real Estate/Property Group (as of 30 Jun 2019)

Coverage Universe	Count	Percent	Inv. Banking Relationships*	Count	Percent
Buy	47	55.29%	Buy	19	40.43%
Hold	15	17.65%	Hold	5	33.33%
Sell	23	27.06%	Sell	3	13.04%
	SI I I S ( SSS )	2010)			

#### Equity Investment Rating Distribution: Global Group (as of 30 Jun 2019)

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Coverage Universe	Count	Percent	Inv. Banking Relationships*	Count	Percent
Buy	1516	51.23%	Buy	942	62.14%
Hold	687	23.22%	Hold	431	62.74%
Sell	756	25.55%	Sell	380	50.26%

<sup>\*</sup> Issuers that were investment banking clients of BofA Merrill Lynch or one of its affiliates within the past 12 months. For purposes of this Investment Rating Distribution, the coverage universe includes only stocks. A stock rated Neutral is included as a Hold, and a stock rated Underperform is included as a Sell.

FUNDAMENTAL EQUITY OPINION KEY: Opinions include a Volatility Risk Rating, an Investment Rating and an Income Rating. VOLATILITY RISK RATINGS, indicators of potential price fluctuation, are: A - Low, B - Medium and C - High. INVESTMENT RATINGS reflect the analyst's assessment of a stock's: (i) absolute total return potential and (ii) attractiveness for investment relative to other stocks within its Coverage Cluster (defined below). There are three investment ratings: 1 - Buy stocks are expected to have a total return of at least 10% and are the most attractive stocks in the coverage cluster; 2 - Neutral stocks are expected to remain flat or increase in value and are less attractive than Buy rated stocks and 3 - Underperform stocks are the least attractive stocks in a coverage cluster. Analysts assign investment ratings considering, among other things, the 0-12 month total return expectation for a stock and the firm's guidelines for ratings dispersions (shown in the table below). The current price objective for a stock should be referenced to better understand the total return expectation (depreciation).

Investment rating	Total return expectation (within 12-month period of date of initial rating)	Ratings dispersion guidelines for coverage cluster*
Buy	≥ 10%	≤ 70%
Neutral	≥ 0%	≤ 30%
Underperform	N/A	≥ 20%

<sup>\*</sup> Ratings dispersions may vary from time to time where BofA Merrill Lynch Research believes it better reflects the investment prospects of stocks in a Coverage Cluster.

INCOME RATINGS, indicators of potential cash dividends, are: 7 - same/higher (dividend considered to be secure), 8 - same/lower (dividend not considered to be secure) and 9 - pays no cash dividend. Coverage Cluster is comprised of stocks covered by a single analyst or two or more analysts sharing a common industry, sector, region or other classification(s). A stock's coverage cluster is included in the most recent BofA Merrill Lynch report referencing the stock.

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# **Corporate Governance Report of Thai Listed Companies 2018**

#### 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 of 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 data appearing in the Corporate Governance Report of Thai Listed Companies. As a result, the survey result may be changed after that date. Phatra Securities Public Company Limited ("Phatra") does not confirm nor certify the accuracy of such survey result. In addition, the list only includes companies under Phatra's coverage except those specified.



ADVANC	ANAN	AOT	AP	BANPU	BCPG	СК	CPF
CPN	DTAC	EGCO	GFPT	GGC	HMPRO	INTUCH	IRPC
IVL	KBANK	КТВ	KTC	LPN	MINT	MONO	MTC
OISHI	PSH	PTT	PTTEP	PTTGC	QН	RATCH	ROBINS
SC	SCB	SCC	SCCC	SPALI	SPRC	STEC	TCAP
THANI	TISCO	TMB	TOP	TRUE	TTCL	TU	

# N/A - Companies without survey result available

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	THBEV	OSP	DIF	PR9	TLGF	TFFIF		
							l	l



BBL	BDMS	BEC	BGRIM	ВЈС	CBG	CENTEL	CHG
CPALL	EPG	ERW	GLOBAL	GLOW	GULF	ITD	JAS
LH	М	MAJOR	MALEE	MEGA	SAWAD	SIRI	TFG
TIPCO	TWPC	VNT					



# Companies with Good CG Scoring

AEONTS BCH BH ESSO STPI UNIQ WORK
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<sup>\*</sup> By alphabetical order under Phatra's Coverage

#### **DW Disclosure:**

Phatra Securities Public Company Limited ("Phatra") under its proprietary trading desk, may, from time to time, issue derivative warrants that have underlying securities contained in the table below. Should Phatra be the issuer of the derivative warrants, Phatra may act as the market maker for such derivative warrants. As a result, investors should be aware that Phatra may have a conflict of interest that could affect the objectivity of this research report.

ADVANC	AMATA	AOT	AP	BANPU	BCH	BEAUTY	BEM	BGRIM	BJC	BTS	CENTEL	CHG
CK	CKP	CPALL	CPN	DTAC	EA	ERW	ESSO	GLOBAL	GPSC	GULF	HMPRO	IRPC
IVL	JAS	KCE	KTC	MAJOR	MINT	MTC	OSP	PSL	PTG	PTT	PTTEP	PTTGC
ROBINS	RS	S50H19	SAWAD	STA	STEC	TASCO	THANI	TKN	TOP	TRUE	WHA	

# **Anti-Corruption Progress Indicator of Thai Listed Companies 2018**

# **Disclosure**

The disclosure of evaluation of Thai Listed Companies with respect to anti-corruption, Thailand's Private Sector Collective Action Coalition Against Corruption ("CAC"), is an initiative under the Securities and Exchange Commission (SEC)'s Sustainability Development Roadmap for Listed Companies which emphasizing good corporate governance, corporate social responsibility and firm commitment to fighting graft. The Indicator, comprising three level assessment of Certified, Declared and N/A, is a result which demonstrate the commitment at management and organizational levels that adopted the policy to refrain from corruption. Certified: The company is certified, Declared: The company has participated, and N/A: Declaration expired or not participate.

The survey result is as of the data appearing in the website of the SEC. As a result, the survey result may change thereafter. Phatra Securities Public Company Limited ("Phatra") does not confirm nor certify the accuracy of such survey result. In addition, the list only includes companies under Phatra's coverage except those specified.

#### Anti-Corruption Progress Indicator: List of Companies (under Phatra's coverage)

Certified															
ADVANC	BANPU	ВСН	ВСР	BCPG	CENTEL	CPALL	CPF	CPN	DTAC	GFPT	GGC	GLOW	HMPRO	IRPC	IVL
KBANK	KTC	М	MALEE	MINT	MONO	PSH	PTT	PTTEP	PTTGC	QH	RATCH	ROBINS	SC	SCB	SCC
SCCC	SIRI	SPRC	TCAP	TFG	THANI	TIPCO	TISCO	TMB	TOP	TRUE	TU	VNT			
Declared															
ANAN	BJC	JAS													
N/A															
AEONTS	AOT	AP	BBL	BDMS	BEC	BGRIM	ВН	CBG	CHG	CK	DIF	EGCO	EPG	ERW	ESSO
GLOBAL	GULF	INTUCH	ITD	КТВ	LH	LPN	MAJOR	MEGA	MTC	OISHI	SAWAD	SPALI	STEC	STPI	THBEV
TLGF	TTCL	TWPC	UNIQ	WORK	OSP	TFFIF	PR9								