

23 NOVEMBER 2020

THAILAND / UTILITIES - CONVENTIONAL

**B.GRIMM POWER BGRIM TB****BUY**

UNCHANGED

TARGET PRICE	THB63.00
CLOSE	THB48.00
UP/DOWNSIDE	+31.3%
TP vs CONSENSUS	+13.1%

**ตามแผน ตามเวลา****บริษัท ยืนยัน 3 พัฒนาการเชิงบวก**

ในระหว่างการประชุมทางโทรศัพท์หลังผลประกอบการ 3Q20 BGRIM ระบุถึงพัฒนาการเชิงบวก 3 ประการสำหรับแนวโน้มการเติบโตของกำไรของบริษัทฯ ใน 4Q20-2021 ประการแรก บริษัทฯ คาดว่าจะเริ่มนำเข้า LNG ได้ภายใน 1Q21 และได้รับคำเสนอขายระยะเวลา 10 ปีจากผู้ขาย 12 ราย สูตรการคำนวณราคา LNG สำหรับสัญญาดังกล่าวคิดจากราคาน้ำมัน Brent ทำให้ได้ราคา LNG อยู่ที่ USD6-7/mmbtu ประการที่สอง โครงการเพื่อการเติบโตใหม่ของ BGRIM ยังเป็นไปตามแผน แม้ว่าจะล่าช้าไปบ้างจากมาตรการปิดเมืองเพื่อควบคุมการแพร่ระบาดของ COVID-19 แผนการลงทุนดังกล่าวประกอบด้วยโครงการโรงงานไฟฟ้าพลังแสงอาทิตย์ในมาเลเซีย โรงงานไฟฟ้าพลังงานลมในเวียดนามและเกาหลีใต้ และการซื้อกิจการผู้ผลิตไฟฟ้ารายเล็ก (SPP) 3-4 รายในไทย ประการที่สาม BGRIM คงมุมมองที่ว่า SPP จะมีอัตรากำไรขั้นต้นดีขึ้นใน 4Q20-2021 จากต้นทุนก๊าซที่คาดว่าจะลดลง 10-20% y-y

**การนำเข้า LNG ยังเป็นปัจจัยหนุนสำคัญตั้งแต่ 2021 เป็นต้นไป**

หลังได้รับใบอนุญาตนำเข้า LNG จำนวนไม่เกิน 0.65mtpa ในเดือน พ.ค. 20 BGRIM ยังมีความมั่นใจเกี่ยวกับโอกาสในการเริ่มนำเข้า LNG ซึ่งอาจเริ่มได้ในต้นไตรมาส 1Q21 รวมต้นทุนทั้งหมด (ประกอบด้วยค่าขนส่งทางเรือ ศูนย์รับส่งสินค้า ค่าขนส่งทางท่อ และค่าประกันความเสี่ยง) BGRIM ระบุว่าราคาสุดท้ายสำหรับสัญญานำเข้า LNG อายุ 10 ปีจากผู้ขายหลาย ๆ รายจะอยู่ที่ USD6-7/mmbtu ซึ่งถูกกว่าราคาตามสัญญาขาย LNG ระยะยาวของ PTT (PTT TB, BUY, TP THB60) ในปัจจุบันอยู่ 20-30% เราคาดว่า BGRIM จะสามารถประหยัดต้นทุนได้สูงถึง 0.6b-1.2 พัน ลบ. ต่อปี หากบริษัทฯ สามารถซื้อ LNG ได้ที่ราคา USD1-2/mmbtu ต่ำกว่าราคาก๊าซในปัจจุบันที่ USD7-8/mmbtu

**โครงการเพื่อการเติบโตใหม่ยังอยู่**

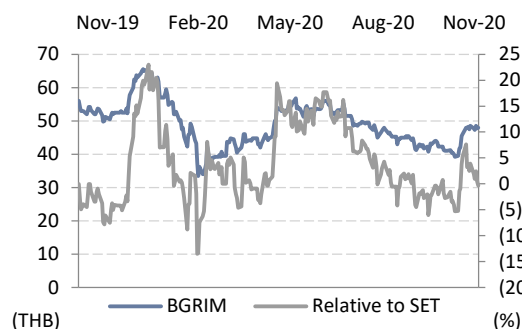
ผู้บริหารยืนยันว่า BGRIM ยังมีความหวังเกี่ยวกับโครงการเพื่อการเติบโตใหม่ของบริษัทฯ แผนการลงทุนดังกล่าวประกอบด้วยโรงงานไฟฟ้าพลังแสงอาทิตย์ขนาด 130-150MW ในมาเลเซีย โรงไฟฟ้าพลังงานลมขนาด 100-200MW ในเวียดนามและเกาหลีใต้ และโครงการ Solar Rooftops ในไต้หวันและฟิลิปปินส์ ในขณะที่โครงการโรงงานไฟฟ้าพลังงานถ่านหินขนาดใหญ่ที่ 1.5-2GW ในเวียดนามยังเป็นไปตามแผนและควรสรุปได้ในปี 2021

**กำไรสุทธิมีแนวโน้มโตดี**

เราคงคำแนะนำซื้อที่ราคาเป้าหมาย 63 บาท (SoTP) ในฐานะผู้ผลิตไฟฟ้ารายเล็กที่ใหญ่ที่สุดในประเทศ เรามองว่า BGRIM ยังเป็นหนึ่งในผู้ได้รับประโยชน์สูงจากต้นทุนก๊าซที่กำลังลดลงในประเทศไทย เนื่องจากกำลังการผลิตจาก SPP ของบริษัทฯ คิดเป็น 69.5% ของกำลังการผลิตรวมที่ 2.1GW ณ สิ้นไตรมาส 3Q20

**KEY STOCK DATA**

YE Dec (THB m)	2019	2020E	2021E	2022E
Revenue	44,132	47,104	50,033	58,580
Net profit	2,331	2,963	5,354	7,335
EPS (THB)	0.89	1.14	2.05	2.81
vs Consensus (%)	-	11.1	60.8	90.5
EBITDA	10,974	13,328	16,089	19,918
Core net profit	2,194	2,963	5,354	7,335
Core EPS (THB)	0.84	1.14	2.05	2.81
EPS growth (%)	19.1	35.1	80.7	37.0
Core P/E (x)	57.0	42.2	23.4	17.1
Dividend yield (%)	0.8	1.7	2.1	2.1
EV/EBITDA (x)	15.9	13.7	12.0	10.0
Price/book (x)	4.4	4.2	3.8	3.3
Net debt/Equity (%)	101.1	103.7	104.9	93.5
ROE (%)	9.3	10.3	17.1	20.8



Share price performance	1 Month	3 Month	12 Month
Absolute (%)	16.4	3.2	(10.7)
Relative to country (%)	1.4	(3.7)	2.6
Mkt cap (USD m)	4,126		
3m avg. daily turnover (USD m)	12.4		
Free float (%)	31		
Major shareholder	B. Grimm Power (Singapore) Pte Ltd (34%)		
12m high/low (THB)	69.25/27.25		
Issued shares (m)	2,606.90		

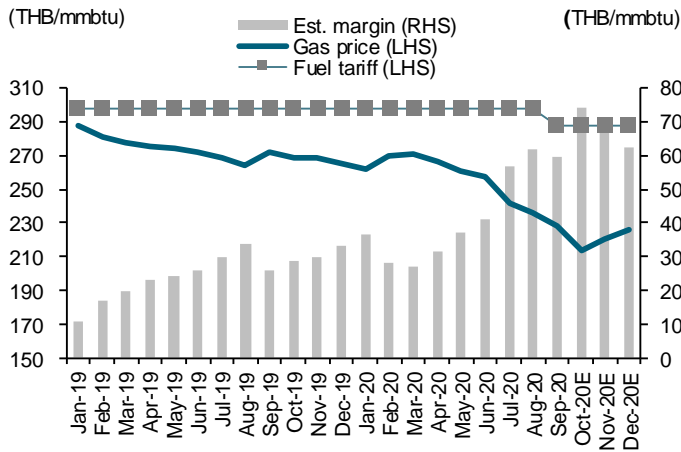
Sources: Bloomberg consensus; FSSIA estimates

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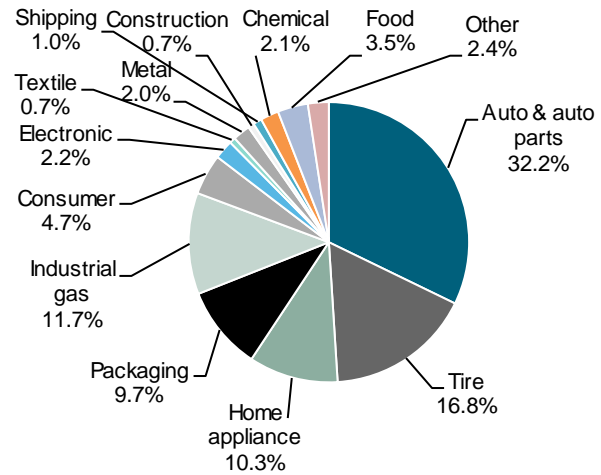
บทวิเคราะห์ฉบับนี้แปลมาจากบทวิเคราะห์ของ FSSIA ฉบับวันที่ 23 พฤศจิกายน 2020

Exhibit 1: Gas cost vs fuel tariff



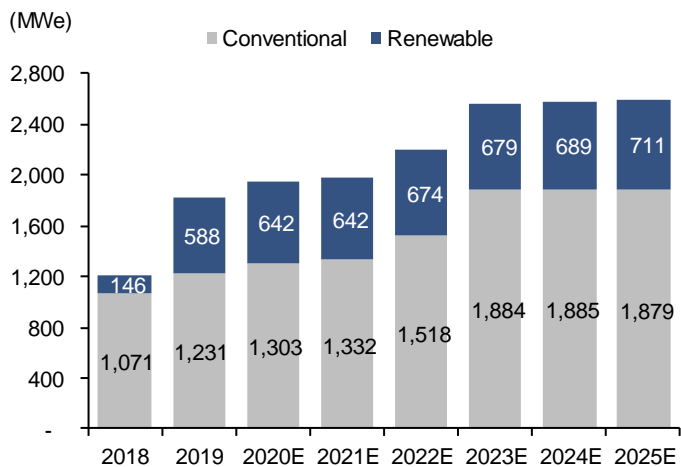
Sources: BGRIM; FSSIA estimates

Exhibit 2: Industrial user customer breakdown by industry (3Q20)



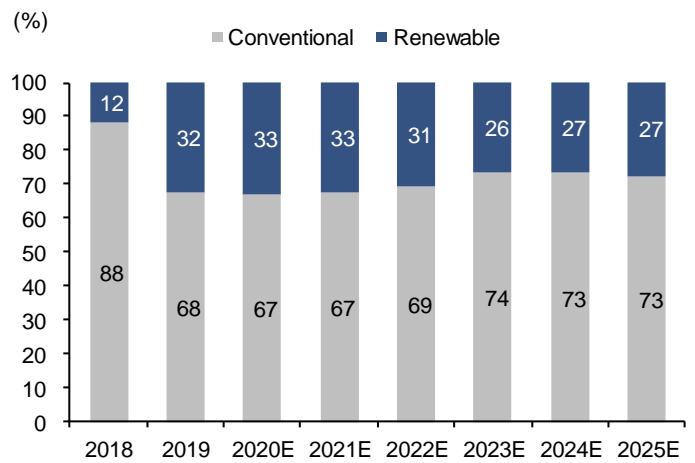
Sources: BGRIM

Exhibit 3: Capacity breakdown (conventional vs renewable)



Sources: BGRIM; FSSIA estimates

Exhibit 4: Capacity breakdown (conventional vs renewable) (%)



Sources: BGRIM; FSSIA estimates

Exhibit 5: Capacity growth

Year	Equity capacity	Growth	Growth	Project
	(MW)	(MW)	(%)	
2016	974			ABP5, BOWIN
2017	988	14	1	XXHP (SNN, SGD)
2018	1,217	229	23	ABPR3-5 SPPs, WVO solar farm
2019	1,819	602	49	Solar farms in Vietnam, Nam Che, SPP1, ABP1 extension, WTE
2020E	1,945	126	7	ATP, Ray solar farm
2021E	1,974	29	1	BOTHONG wind farms, BPAM extension, Hybrid U-Tapao
2022E	2,192	218	11	BPLC1, ABP1, ABP2, SPP1 SPP replacements, Tadsakoi, Nam Khao 4
2023E	2,563	371	17	BGPR1, BGPR2 SPPs, Nam Khao 2, Hybrid U-Tapao
2024E	2,574	11	0	Nam Khao 3
2025E	2,590	16	1	Nam Khao 1, 5
<b>Total equity capacity</b>	<b>2,590</b>	<b>1,616</b>		
CAGR from 2016-2023		1,589	27.4	
CAGR from 2019-2023		1,346	9.0	
CAGR from 2016-2025		1,616	11.5	

Sources: BGRIM; FSSIA estimates

## Financial Statements

B.Grimm Power

Profit and Loss (THB m) Year Ending Dec	2018	2019	2020E	2021E	2022E
Revenue	36,585	44,132	47,104	50,033	58,580
Cost of goods sold	(26,217)	(31,293)	(31,892)	(31,943)	(36,319)
<b>Gross profit</b>	<b>10,368</b>	<b>12,839</b>	<b>15,212</b>	<b>18,090</b>	<b>22,261</b>
Other operating income	-	-	-	-	-
Operating costs	(1,409)	(1,865)	(1,884)	(2,001)	(2,343)
<b>Operating EBITDA</b>	<b>8,960</b>	<b>10,974</b>	<b>13,328</b>	<b>16,089</b>	<b>19,918</b>
Depreciation	(3,515)	(4,660)	(5,152)	(5,468)	(5,683)
Goodwill amortisation	0	0	0	0	0
<b>Operating EBIT</b>	<b>5,444</b>	<b>6,314</b>	<b>8,175</b>	<b>10,621</b>	<b>14,235</b>
Net financing costs	(2,961)	(2,493)	(2,636)	(2,636)	(2,636)
Associates	182	101	216	220	224
Recurring non operating income	649	253	416	420	424
Non recurring items	21	138	0	0	0
<b>Profit before tax</b>	<b>3,153</b>	<b>4,212</b>	<b>5,955</b>	<b>8,405</b>	<b>12,023</b>
Tax	(177)	(235)	(188)	(340)	(589)
<b>Profit after tax</b>	<b>2,976</b>	<b>3,977</b>	<b>5,767</b>	<b>8,065</b>	<b>11,434</b>
Minority interests	(1,113)	(1,646)	(2,805)	(2,711)	(4,099)
Preferred dividends	0	0	0	0	0
Other items	-	-	-	-	-
<b>Reported net profit</b>	<b>1,863</b>	<b>2,331</b>	<b>2,963</b>	<b>5,354</b>	<b>7,335</b>
<b>Non recurring items &amp; goodwill (net)</b>	<b>(21)</b>	<b>(138)</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Recurring net profit</b>	<b>1,842</b>	<b>2,194</b>	<b>2,963</b>	<b>5,354</b>	<b>7,335</b>
<b>Per share (THB)</b>					
Recurring EPS *	0.71	0.84	1.14	2.05	2.81
Reported EPS	0.71	0.89	1.14	2.05	2.81
DPS	0.40	0.37	0.80	1.00	1.00
Diluted shares (used to calculate per share data)	2,607	2,607	2,607	2,607	2,607
<b>Growth</b>					
Revenue (%)	16.2	20.6	6.7	6.2	17.1
Operating EBITDA (%)	8.8	22.5	21.4	20.7	23.8
Operating EBIT (%)	(0.6)	16.0	29.5	29.9	34.0
Recurring EPS (%)	6.7	19.1	35.1	80.7	37.0
Reported EPS (%)	(12.4)	25.1	27.1	80.7	37.0
<b>Operating performance</b>					
Gross margin inc depreciation (%)	18.7	18.5	21.4	25.2	28.3
Gross margin of key business (%)	-	-	-	-	-
Operating EBITDA margin (%)	24.5	24.9	28.3	32.2	34.0
Operating EBIT margin (%)	14.9	14.3	17.4	21.2	24.3
Net margin (%)	5.0	5.0	6.3	10.7	12.5
Effective tax rate (%)	6.0	5.7	3.3	4.1	5.0
Dividend payout on recurring profit (%)	56.6	44.0	70.4	48.7	35.5
Interest cover (X)	2.1	2.6	3.3	4.2	5.6
Inventory days	12.9	11.4	11.2	11.3	10.6
Debtor days	53.8	54.9	59.7	64.5	63.1
Creditor days	70.1	139.0	210.9	212.7	200.1
Operating ROIC (%)	7.4	7.9	9.6	10.7	12.4
ROIC (%)	6.7	6.6	8.2	9.3	10.9
ROE (%)	9.7	9.3	10.3	17.1	20.8
ROA (%)	5.6	5.2	6.4	7.9	9.8
* Pre exceptional, pre-goodwill and fully diluted					
<b>Revenue By Division (THB m)</b>					
Electricity generation	36,576	44,128	47,104	50,033	58,580
Others business	9	4	0	0	0

Sources: B.Grimm Power; FSSIA estimates

## Financial Statements

B.Grimm Power

Cash Flow (THB m) Year Ending Dec	2018	2019	2020E	2021E	2022E
Recurring net profit	1,842	2,194	2,963	5,354	7,335
Depreciation	3,515	4,660	5,152	5,468	5,683
Associates & minorities	182	101	216	220	224
Other non-cash items	-	-	-	-	-
Change in working capital	(528)	11,276	(861)	(1,231)	791
<b>Cash flow from operations</b>	<b>5,012</b>	<b>18,231</b>	<b>7,470</b>	<b>9,811</b>	<b>14,032</b>
Capex - maintenance	(100)	(100)	(100)	(100)	(100)
Capex - new investment	0	(14,341)	(13,900)	(16,900)	(17,900)
Net acquisitions & disposals	(625)	(272)	0	0	0
Other investments (net)	(3,675)	(959)	216	220	224
<b>Cash flow from investing</b>	<b>(4,401)</b>	<b>(15,672)</b>	<b>(13,784)</b>	<b>(16,780)</b>	<b>(17,776)</b>
Dividends paid	(1,043)	(965)	(1,486)	(2,086)	(2,607)
Equity finance	0	0	0	0	0
Debt finance	7,324	(2,494)	0	0	0
Other financing cash flows	(10,889)	9,384	2,371	2,272	3,652
<b>Cash flow from Financing</b>	<b>(4,608)</b>	<b>5,925</b>	<b>886</b>	<b>186</b>	<b>1,045</b>
Non-recurring cash flows	-	-	-	-	-
Other adjustments	0	0	0	0	0
<b>Net other adjustments</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Movement in cash</b>	<b>(3,997)</b>	<b>8,484</b>	<b>(5,428)</b>	<b>(6,783)</b>	<b>(2,699)</b>
Free cash flow to firm (FCFF)	3,566.27	5,189.03	(3,676.89)	(4,332.91)	(1,107.36)
Free cash flow to equity (FCFE)	(2,954.42)	9,448.48	(3,942.19)	(4,697.70)	(92.10)

### Per share (THB)

FCFF per share	1.37	1.99	(1.41)	(1.66)	(0.42)
FCFE per share	(1.13)	3.62	(1.51)	(1.80)	(0.04)
Recurring cash flow per share	2.12	2.67	3.20	4.24	5.08

Balance Sheet (THB m) Year Ending Dec	2018	2019	2020E	2021E	2022E
Tangible fixed asset (gross)	82,381	100,752	114,752	131,752	149,752
Less: Accumulated depreciation	(20,031)	(28,620)	(33,773)	(39,241)	(44,923)
<b>Tangible fixed assets (Net)</b>	<b>62,350</b>	<b>72,132</b>	<b>80,979</b>	<b>92,511</b>	<b>104,829</b>
<b>Intangible fixed assets (Net)</b>	<b>10,320</b>	<b>10,908</b>	<b>10,908</b>	<b>10,908</b>	<b>10,908</b>
Long-term financial assets	-	-	-	-	-
Invest. In associates & subsidiaries	1,807	1,535	1,535	1,535	1,535
Cash & equivalents	15,179	23,663	18,235	11,452	8,753
A/C receivable	6,122	7,156	8,260	9,433	10,807
Inventories	979	969	987	989	1,124
Other current assets	1,542	1,706	1,820	1,934	2,264
<b>Current assets</b>	<b>23,822</b>	<b>33,493</b>	<b>29,303</b>	<b>23,807</b>	<b>22,947</b>
Other assets	2,337	3,625	3,625	3,625	3,625
<b>Total assets</b>	<b>100,636</b>	<b>121,693</b>	<b>126,350</b>	<b>132,387</b>	<b>143,844</b>
Common equity	19,253	28,144	29,621	32,889	37,617
Minorities etc.	8,486	10,533	13,338	16,049	20,148
<b>Total Shareholders' equity</b>	<b>27,739</b>	<b>38,677</b>	<b>42,958</b>	<b>48,938</b>	<b>57,765</b>
Long term debt	63,269	55,596	55,596	55,596	55,596
Other long-term liabilities	1,439	1,588	1,589	1,589	1,589
<b>Long-term liabilities</b>	<b>64,708</b>	<b>57,184</b>	<b>57,184</b>	<b>57,184</b>	<b>57,184</b>
A/C payable	5,581	18,254	18,603	18,633	21,185
Short term debt	1,996	7,175	7,175	7,175	7,175
Other current liabilities	612	403	430	456	534
<b>Current liabilities</b>	<b>8,189</b>	<b>25,832</b>	<b>26,208</b>	<b>26,265</b>	<b>28,895</b>
<b>Total liabilities and shareholders' equity</b>	<b>100,636</b>	<b>121,693</b>	<b>126,350</b>	<b>132,387</b>	<b>143,844</b>
Net working capital	2,450	(8,826)	(7,965)	(6,734)	(7,525)
Invested capital	79,264	79,374	89,083	101,846	113,372

\* Includes convertibles and preferred stock which is being treated as debt

### Per share (THB)

Book value per share	7.39	10.80	11.36	12.62	14.43
Tangible book value per share	3.43	6.61	7.18	8.43	10.25

### Financial strength

Net debt/Equity (%)	180.6	101.1	103.7	104.9	93.5
Net debt/total assets (%)	49.8	32.1	35.2	38.8	37.6
Current ratio (x)	2.9	1.3	1.1	0.9	0.8
CF interest cover (x)	0.0	10.5	4.8	5.6	7.8

Valuation	2018	2019	2020E	2021E	2022E
<b>Recurring P/E (x) *</b>	<b>67.9</b>	<b>57.0</b>	<b>42.2</b>	<b>23.4</b>	<b>17.1</b>
<b>Recurring P/E @ target price (x) *</b>	<b>89.2</b>	<b>74.9</b>	<b>55.4</b>	<b>30.7</b>	<b>22.4</b>
Reported P/E (x)	67.2	53.7	42.2	23.4	17.1
Dividend yield (%)	0.8	0.8	1.7	2.1	2.1
Price/book (x)	6.5	4.4	4.2	3.8	3.3
Price/tangible book (x)	14.0	7.3	6.7	5.7	4.7
EV/EBITDA (x) **	20.5	15.9	13.7	12.0	10.0
EV/EBITDA @ target price (x) **	24.9	19.5	16.7	14.4	12.0
EV/invested capital (x)	2.3	2.2	2.1	1.9	1.8

\* Pre-exceptional &amp; pre-goodwill are fully diluted \*\* EBITDA includes associate income and recurring non operating income

Sources: B.Grimm Power; FSSIA estimates

## Corporate Governance report of Thai listed companies 2019

EXCELLENT LEVEL										
AAV	ADVANC	AIRA	AKP	AKR	AMA	AMATA	AMATAV	ANAN	AOT	AP
ARROW	BAFS	BANPU	BAY	BCP	BCPG	BOL	BRR	BTS	BTW	BWG
CFRESH	CHEWA	CHO	CK	CKP	CM	CNT	COL	COMAN	CPALL	CPF
CPI	CPN	CSS	DELTA	DEMCO	DRT	DTAC	DTC	EA	EASTW	ECF
EGCO	GBX	GC	GCAP	GEL	GGP	GGC	GOLD	GPSC	GRAMMY	GUNKUL
HANA	HARN	HMPRO	ICC	ICHI	III	ILINK	INTUCH	IRPC	IVL	JKN
JSP	K	KBANK	KCE	KKP	KSL	KTB	KTC	KTIS	LH	LHFG
LIT	LPN	MAKRO	MALEE	MBK	MBKET	MC	MCOT	MFEC	MINT	MONO*
MTC	NCH	NCL	NKI	NSI	NVD	NYT	OISHI	OTO	PAP	PCSGH
PDJ	PG	PHOL	PJW	PLANB	PLANET	PORT	PPS	PR9	PREB	PRG
PRM	PSH	PSL	PTG	PTT	PTTEP	PTTGC	PYLON	Q-CON	QH	QTC
RATCH	ROBINS**	RS	S	S & J	SABINA	SAMART	SAMTEL	SAT	SC	SCB
SCC	SCCC	SCN	SDC	SEAFCO	SEAOIL	SE-ED	SELIC	SENA	SIS	SITHAI
SNC	SORKON	SPALI	SPI	SPRC	SSSC	STA	STEC	SVI	SYNTEC	TASCO
TCAP	THAI	THANA	THANI	THCOM	THIP	THREL	TIP	TISCO	TK	TKT
TMB	TMILL	TNDT	TOA	TOP	TRC	TRU	TRUE	TSC	TSR	TSTH
TTA	TTCL	TTW	TU	TVD	TVO	U	UAC	UV	VGI	VIH
WACOAL	WAVE	WHA	WHAUP	WICE	WINNER					
VERY GOOD LEVEL										
2S	ABM	ADB	AF	AGE	AH	AHC	AIT	ALLA	ALT	AMANA
AMARIN	APCO	APCS	AQUA	ARIP	ASAP	ASIA	ASIAN	ASIMAR	ASK	ASN
ASP	ATP30	AUCT	AYUD	B	BA	BBL	BDMS	BEC	BEM	BFIT
BGC	BGRIM	BIZ	BJC	BJCHI	BLA	BPP	BROOK	CBG	CEN	CENDEL
CGH	CHG	CHOTI	CHOW	CI	CIMBT	CNS	COLOR	COM7	COTTO	CRD
CSC	CSP	DCC	DCON	DDD	DOD	EASON	ECL	EE	EPG	ERW
ESTAR	ETE	FLOYD	FN	FNS	FORTH	FPI	FPT	FSMART	FSS	FVC
GENCO	GJS	GL	GLOBAL	GLOW**	GULF	HPT	HTC	HYDRO	ICN	IFS
INET	INSURE	IRC	IRCP	IT	ITD***	ITEL	J	JAS*	JCK	JCKH
JMART	JMT	JWD	KBS	KCAR	KGI	KIAT	KOOL	KWC	KWM	L&E
LALIN	LANNA	LDC	LHK	LOXLEY	LRH	LST	M	MACO	MAJOR	MBAX
MEGA	METCO	MFC	MK	MODERN	MOONG	MPG	MSC	MTI	NEP	NETBAY
NEX	NINE	NOBLE	NOK	NTV	NWR	OCC	OGC	ORI	OSP	PATO
PB	PDG	PDI	PL	PLAT	PM	PPP	PRECHA	PRIN	PRINC	PSTC
PT	QLT	RCL	RICHY	RML	RWI	S11	SAAM	SALEE	SAMCO	SANKO
SAPPE	SAWAD	SCG	SCI	SCP	SE	SFP	SIAM	SINGER	SIRI	SKE
SKR	SKY	SMIT	SMK	SMP	SMT	SNP	SONIC	SPA	SPC	SPCG
SPVI	SR	SRICHA	SSC	SSF	SST	STANLY	STPI	SUC	SUN	SUSCO
SUTHA	SWC	SYMC	SYNEX	T	TACC	TAE	TAKUNI	TBSP	TCC	TCMC
TEAM	TEAMG	TFG	TFMAMA	THG	THRE	TIPCO	TITLE	TIW	TKN	TKS
TM	TMC	TMD	TMI	TMT	TNITY	TNL	TNP	TNR	TOG	TPA
TPAC	TPBI	TPCORP	TPOLY	TRITN	TRT	TSE	TSTE	TVI	TVT	TWP
TWPC	UBIS	UEC	UMI	UOBKH	UP	UPF	UPOIC	UT	UWC	VNT
WIIK	XO	YUASA	ZEN	ZMICO						
GOOD LEVEL										
A	ABICO	ACAP***	AEC	AEONTS	AJ	ALUCON	AMC	APURE	AS	ASEFA
AU	B52	BCH	BEAUTY	BGT	BH	BIG	BLAND	BM	BR	BROCK
BSBM	BSM	BTNC	CCET	CCP	CGD	CHARAN	CHAYO	CITY	CMAN	CMC
CMO	CMR	CPL	CPT	CSR	CTW	CWT	D	DIMET	EKH	EMC
EPCO	ESSO	FE	FTE	GIFT	GLAND	GLOCON	GPI	GREEN	GTB	GYT
HTECH	HUMAN	IHL	INGRS	INOX	JTS	JUBILE	KASET	KCM	KKC	KWG
KYE	LEE	LPH	MATCH	MATI	M-CHAI	MCS	MDX	META	MGT	MJD
MM	MVP	NC	NDR	NER	NNCL	NPK	NUSA	OCEAN	PAF	PF
PICO	PIMO	PK	PLE	PMTA	POST	PPM	PROUD	PTL	RCI	RJH
ROJNA	RPC	RPH	SF	SGF	SGP	SKN	SLP	SMART	SOLAR	SPG
SQ	SSP	STI	SUPER	SVOA	TCCC	THE	THMUI	TIC	TIGER	TNH
TOPP	TPCH	TPIPP	TPLAS	TQM	TTI	TYCN	UTP	VCOM	VIBHA	VPO
WIN	WORK	WP	WPH	ZIGA						
Score Range	Number of Logo					Description				
90-100						Excellent				
80-89						Very Good				
70-79						Good				
60-69						Satisfactory				
50-59						Pass				
Less than 50	No logo given					-				

**Disclaimer:**

The disclosure of the survey results 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 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 results may be changed after that date. FSS International Investment Advisory Company Limited does not confirm nor certify the accuracy of such survey results.

\* CGR scoring should be considered with news regarding wrong doing of the company or director or executive of the company such unfair practice on securities trading, fraud, and corruption SEC imposed a civil sanction against insider trading of director and executive; \*\* delisted

Source: Thai Institute of Directors Association (IOD); FSSIA's compilation

## Anti-corruption Progress Indicator

CERTIFIED										
ADVANC	AIE	AKP	AMANAHA	AP	APCS	AQUA	ARROW	ASK	ASP	AYUD
BAFS	BANPU	BAY	BBL	BCH	BCP	BCPG	BGRIM	BJCHI	BKI	BLA
BROOK	BRR	BSBM	BTS	BWG	CEN	CENTEL	CFRESH	CGH	CHEWA	CIG
CIMBT	CM	COM7	CPALL	CPF	CPI	CPN	CSC	DCC	DEMCO	DIMET
DRT	DTAC	DTC	EASTW	ECL	EGCO	FE	FNS	FSS	GBX	GC
GCAP	GEL	GFPT	GGC	GJS	GOLD	GPSC	GSTEEL	GUNKUL	HANA	HARN
HMPRO	HTC	ICC	IFS	INET	INSURE	INTUCH	IRPC	IVL	K	KASET
KBANK	KBS	KCAR	KCE	KGI	KKP	KSL	KTB	KTC	KWC	L&E
LANNA	LHK	LPN	LRH	M	MAKRO	MALEE	MBAX	MBK	MBKET	MC
MCOT	MFC	MINT	MONO	MOONG	MSC	MTI	NBC	NINE	NKI	NMG
NNCL	NSI	OCC	OCEAN	OGC	PAP	PATO	PB	PCSGH	PDG	PDI
PDJ	PE	PG	PHOL	PL	PLANB	PLANET	PLAT	PM	PPP	PPS
PREB	PRG	PRINC	PSH	PSTC	PT	PTG	PTT	PTTEP	PTTGC	PYLON
Q-CON	QH	QLT	QTC	RATCH	RML	S & J	SABINA	SAT	SC	SCB
SCC	SCCC	SCG	SCN	SE-ED	SELIC	SENA	SGP	SIRI	SIS	SITHAI
SMIT	SMK	SMPC	SNC	SNP	SORKON	SPACK	SPC	SPI	SPRC	SRICHA
SSF	SSI	SSSC	SST	STA	SUSCO	SVI	SYNTEC	TASCO	TCAP	TFG
TFI	TFMAMA	THANI	THCOM	THIP	THRE	THREL	TIP	TIPCO	TISCO	TKT
TMB	TMD	TMILL	TMT	TNITY	TNL	TNP	TNR	TOG	TOP	TPA
TPCORP	TRU	TRUE	TSC	TSTH	TTCL	TU	TVD	TVI	TWPC	U
UBIS	UEC	UKEM	UOBKH	VGI	VIH	VNT	WACOAL	WHA	WICE	WIIK
DECLARED										
2S	ABICO	AF	AI	AIRA	ALT	AMA	AMARIN	AMATA	ANAN	B
BM	BPP	BUI	CHG	CHO	CHOTI	CHOW	CI	CMC	COL	DDD
DELTA	EFORL	EPCO	ESTAR	ETE	FPI	FTE	ICHI	INOX	IRC	ITEL
JAS	JSP	JTS	KWG	LDC	LIT	META	MFEC	MPG	NEP	NOK
NWR	ORI	PRM	PSL	ROJNA	RWI	SAAM	SAPPE	SCI	SEOIL	SHANG
SKR	SPALI	STANLY	SYNEX	TAE	TAKUNI	TMC	TOPP	TPP	TRITN	TVO
UV	UWC	WHAUP	XO	YUASA	ZEN					

Level	
Certified	This level indicates practical participation with thoroughly examination in relation to the recommended procedures from the audit committee or the SEC's certified auditor, being a certified member of Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) or already passed examination to ensure independence from external parties.
Declared	This level indicates determination to participate in the Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC)

### Disclaimer:

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, FSS International Investment Advisory Company Limited does not confirm, verify, or certify the accuracy and completeness of the assessment results.

Note: Companies participating in Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors (as of June 24, 2019) are categorised into: 1) companies that have declared their intention to join CAC, and; 2) companies certified by CAC.

Source: The Securities and Exchange Commission, Thailand; \* FSSIA's compilation

## GENERAL DISCLAIMER

### ANALYST(S) CERTIFICATION

#### Suwat Sinsadok FSS International Investment Advisory Securities Co., Ltd

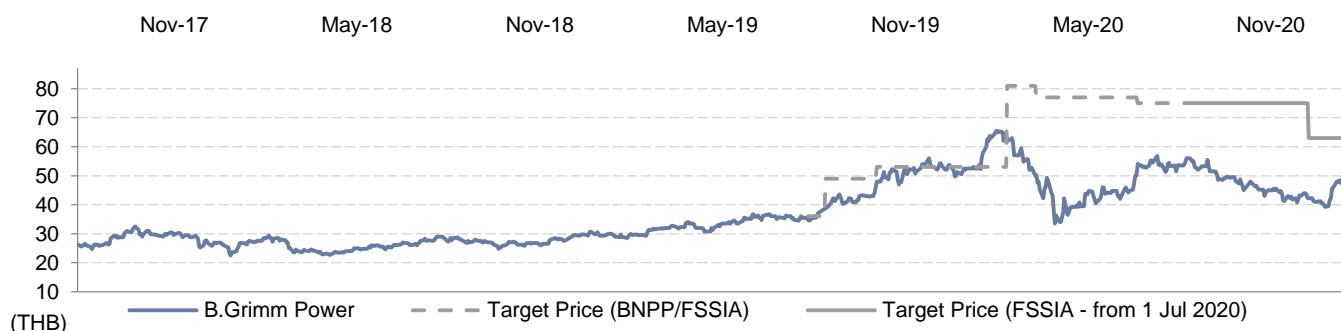
The individual(s) identified above certify(ies) that (i) all views expressed in this report accurately reflect the personal view of the analyst(s) with regard to any and all of the subject securities, companies or issuers mentioned in this report; and (ii) no part of the compensation of the analyst(s) was, is, or will be, directly or indirectly, related to the specific recommendations or views expressed herein.

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### History of change in investment rating and/or target price

#### B.Grimm Power (BGRIM TB)



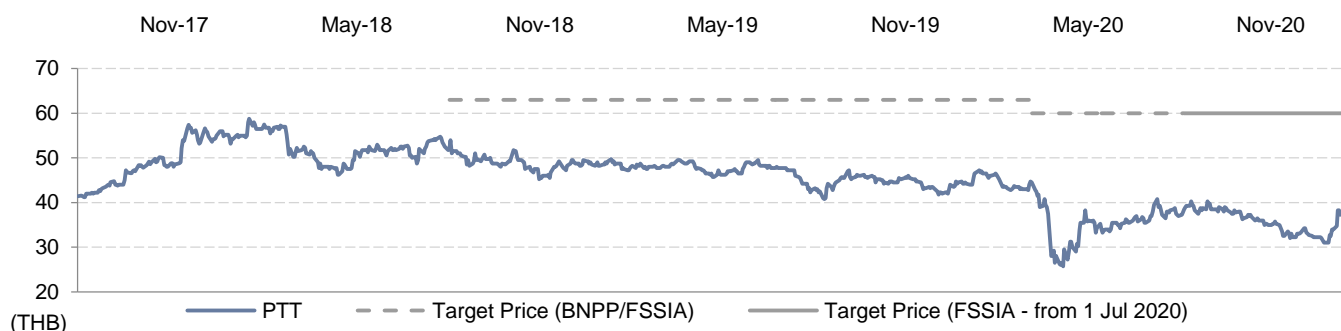
Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
13-Aug-2019	BUY	36.00	31-Jan-2020	BUY	81.00	26-Jun-2020	BUY	75.00
28-Aug-2019	BUY	49.00	25-Feb-2020	BUY	77.00	15-Oct-2020	BUY	63.00
11-Oct-2019	BUY	53.00	22-May-2020	BUY	75.00			

Suwat Sinsadok Started covering this stock from 13-Aug-2019

Price and TP are in local currency

Source: FSSIA estimates

#### PTT (PTT TB)



Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
09-Oct-2018	BUY	63.00	21-Feb-2020	BUY	60.00	-	-	-

Suwat Sinsadok Started covering this stock from 09-Oct-2018

Price and TP are in local currency

Source: FSSIA estimates

Company	Ticker	Price	Rating	Valuation & Risks
B.Grimm Power	BGRIM TB	THB 48.00	BUY	The downside risks to our SoTP-based TP include 1) lower-than-expected demand for electricity in Thailand, 2) a lower crude price, and 3) unplanned shutdowns of its SPPs.
PTT	PTT TB	THB 38.25	BUY	Risks to our SoTP-based valuation are the oil price and potential earnings downsides from government intervention.

Source: FSSIA estimates

**Additional Disclosures**

Target price history, stock price charts, valuation and risk details, and equity rating histories applicable to each company rated in this report is available in our most recently published reports. You can contact the analyst named on the front of this note or your representative at Finansia Syrus Securities Public Company Limited

FSSIA may incorporate the recommendations and target prices of companies currently covered by FSS Research into equity research reports, denoted by an 'FSS' before the recommendation. FSS Research is part of Finansia Syrus Securities Public Company Limited, which is the parent company of FSSIA.

All share prices are as at market close on 20-Nov-2020 unless otherwise stated.

**RECOMMENDATION STRUCTURE****Stock ratings**

Stock ratings are based on absolute upside or downside, which we define as  $(\text{target price}^* - \text{current price}) / \text{current price}$ .

BUY (B). The upside is 10% or more.

HOLD (H). The upside or downside is less than 10%.

REDUCE (R). The downside is 10% or more.

Unless otherwise specified, these recommendations are set with a 12-month horizon. Thus, it is possible that future price volatility may cause a temporary mismatch between upside/downside for a stock based on market price and the formal recommendation.

\* In most cases, the target price will equal the analyst's assessment of the current fair value of the stock. However, if the analyst doesn't think the market will reassess the stock over the specified time horizon due to a lack of events or catalysts, then the target price may differ from fair value. In most cases, therefore, our recommendation is an assessment of the mismatch between current market price and our assessment of current fair value.

**Industry Recommendations**

**Overweight.** The analyst expects the fundamental conditions of the sector to be positive over the next 12 months.

**Neutral.** The analyst expects the fundamental conditions of the sector to be maintained over the next 12 months.

**Underweight.** The analyst expects the fundamental conditions of the sector to be negative over the next 12 months.

**Country (Strategy) Recommendations**

**Overweight (O).** Over the next 12 months, the analyst expects the market to score positively on two or more of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

**Neutral (N).** Over the next 12 months, the analyst expects the market to score positively on one of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

**Underweight (U).** Over the next 12 months, the analyst does not expect the market to score positively on any of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.