



2011 Leader: Building Material & Fixtures Sector

Ranked Gold Class: 2011, 2010, 2009, 2008

DJSI member since: 2004

Ranking by SAM

CIMB Securities – Thai Corporate Day Four Season's Hotel, Bangkok Feb 10, 2012

Agenda

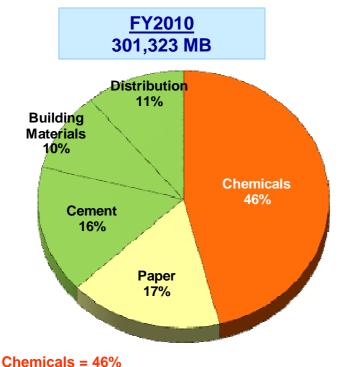


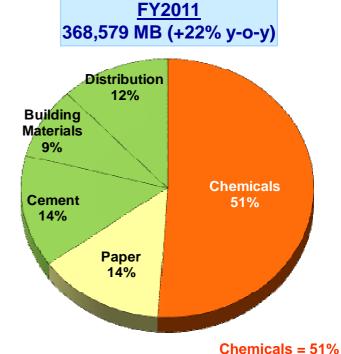
- Snapshot
- Strategy
- Sustainability
- Business Updates
- Appendix

Segments Revenue from Sales



Slide 3



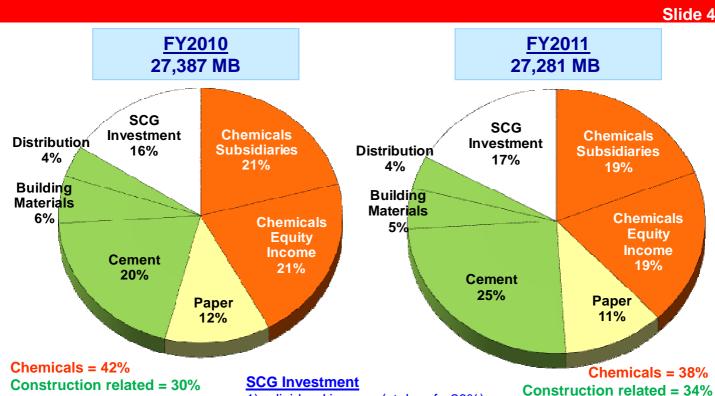


Construction related = 37%

Construction related = 35%

SegmentsRecurring Profit for the Period





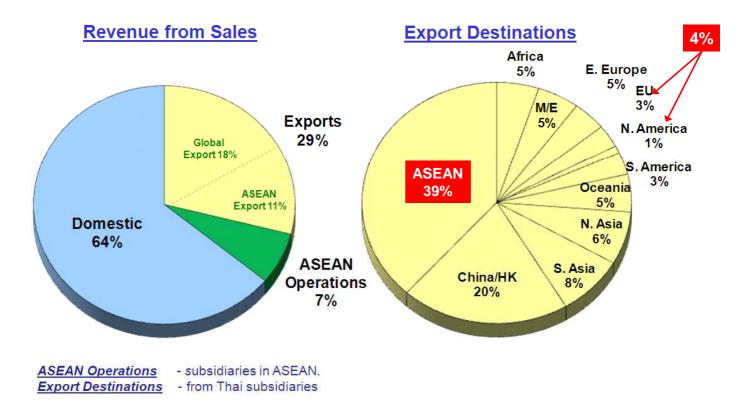
1) dividend income (stake of <20%)

2) equity income (stake of 20% to 50%)

Export Destinations FY2011

ASEAN was 39% of exports, versus 4% for both EU and N. America.

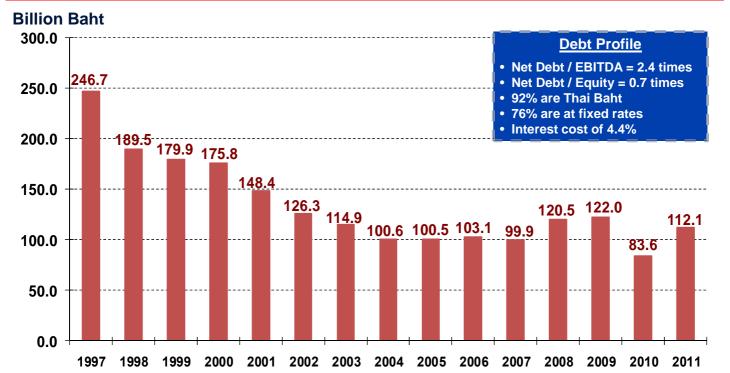




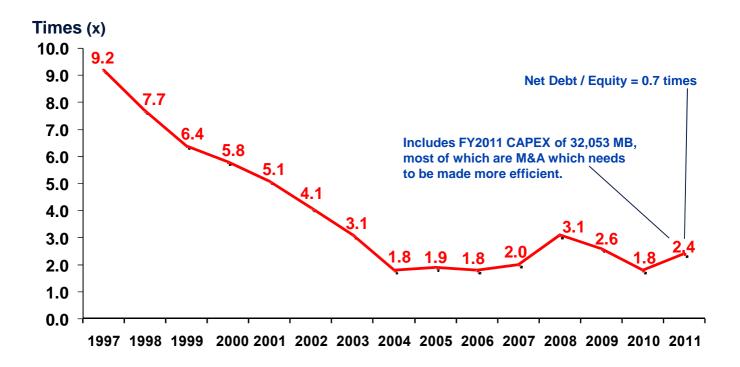
Net Debt

Includes cash of 50,288 MB (\$1.6 Billion)



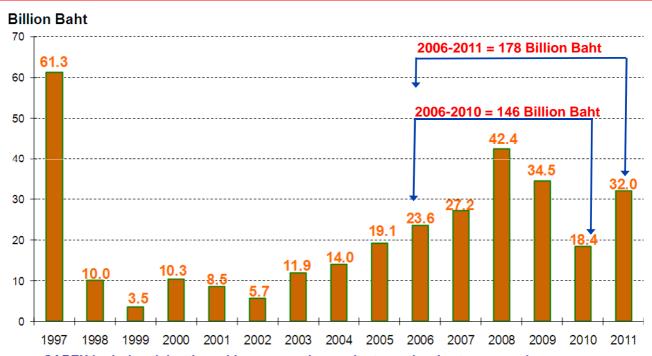






CAPEX & Investments





- CAPEX includes debottlenecking, expansion projects, and major turnaround.
- Investments are acquisitions and purchase of shares.

Consolidated EBITDA



Slide 9



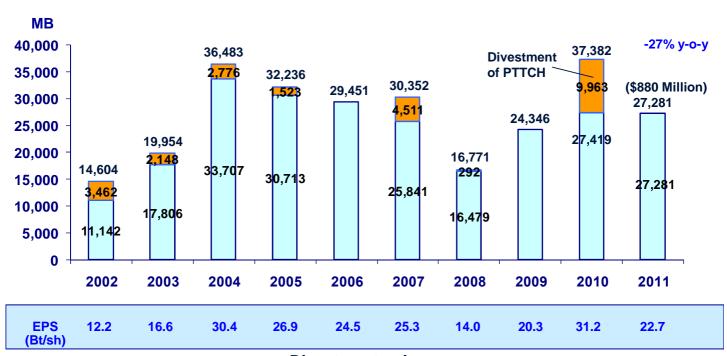
- Dividend from associated companies

- EBITDA from Operations

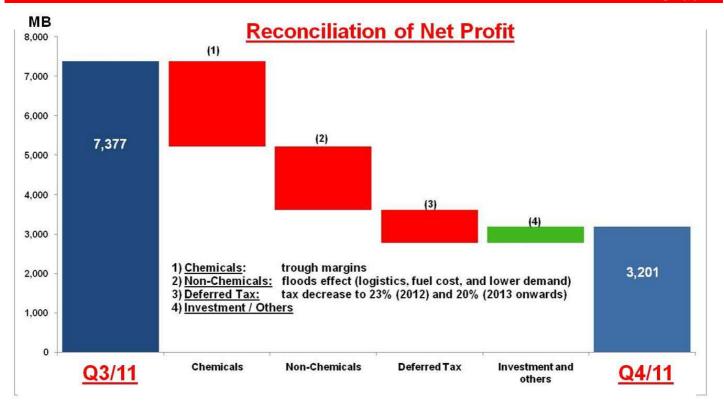
Note: EBITDA includes dividend received

Consolidated Profitability





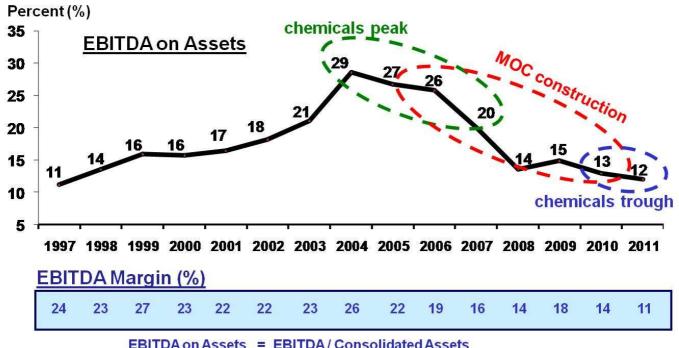




EBITDA on Assets, and EBITDA Margin



Slide 12



EBITDA on Assets = EBITDA / Consolidated Assets

EBITDA margin = EBITDA from Operations / Consolidated Sales

- Snapshot
- Strategy
- Sustainability
- Business Updates
- Appendix

Strategy



GROWTH

- 1) ASEAN expansion in existing businesses
- 2) High Value Added Products & Services (HVA)

DISCIPLINE

"Cash return on investment" hurdle of 15%

Dividend payout policy of 40-50%



2011 - 2015

2006 - 2010

- **CAPEX of 146,000 MB**
- Cash-flow financed
- Mostly green field

- CAPEX of +150,000 MB
- Cash-flow financed
- Cash on hand of 50,288 MB
- Mostly M&A

...continued expansion of <u>core businesses</u>.

SCG's incremental capacity: From investment during 2006 – 2010



(Capacity at year end = '000 tons)		Т	otal Ca	ip.		Increase		Project Cost					
	2007	2008	2009	2010	2011	2007	- 2011	SCG Stake	CAPEX (MB)				
Chemicals Upstream (Cracker)						Сар	Times						
Ethylene (subsidary)	800	800	800	1,700	1,700	900	2.1 x	→ 67% →	45,600 MB				
Propylene (subsidary)	400	400	400	1,200	1,200	800	3.0 x	J-0/% \	(\$1.2 Bill)				
Chemicals Downstream													
HDPE (subsidiary)	780	780	780	1,180	1,180	400	1.5 x	100%	17,100 MB				
PP (subsidiary)	320	320	320	720	720	400	2.3 x		(\$450 mill)				
PVC (45% stake in TPC)	820	790	870	940	940	120	1.2 x	45%	2,200 MB				
LLDPE (Dow JV)	300	300	300	650	650	350	2.2 x	50%	2,100 MB				
Specialty Elastomers (Dow JV)	C	-	Apr	start 🗕	220	220	-	50%	3,000 MB				
Propylene Oxide (Dow JV)	-	-	Oct	start -	> 390	390	-	50%	2,400 MB				
MMA (Mitsubishi Rayon JV)	85	85	85	175	175	90	2.1 x	170/	0.500.45				
Cast Sheets (Mitsubishi Ravon JV)		L <u>-</u>	20	20	20	20		_20		_20		47%	2,500 MB
<u>Paper</u>													
Printing & Writing Paper	365	565	565	565	565	200	1.5 x	100%	7,300 MB				
Packaging Paper	1,660	1,660	1,880	1,880	1,880	220	1.1 x	70%	5,200 MB				
Box	550	637	692	741	795	245	1.4 x	70%	3,200 MB				
Cement													
Cambodia Grey Cement (MT)	23	24	24	24	24	1	1.04x	90%	3,000 MB				
Building Products													
Ceramic Tiles (M sqm)	95	122	122	122	149	54	1.6 x	54% to 100%	6,800 MB				
Ceiling & Wall product (M sqm)	34	50	57	57	65	31	1.9 x	100%	3,200 MB				
Lightweight concrete (M sam)	3	3	3	15	15	12	4.0 x	68%	1.600 MB				



	<u>Thailand</u>	<u>ASEAN</u>
Downstream Chemicals 7.2 million tons	1	1
Packaging Paper 1.9 million tons	1	1
Cement 24 million tons	1	2
Building Products 149 mill sqm of ceramics	1	1

NOTE: includes recent acquisition of Chandra Asri Petrochemical



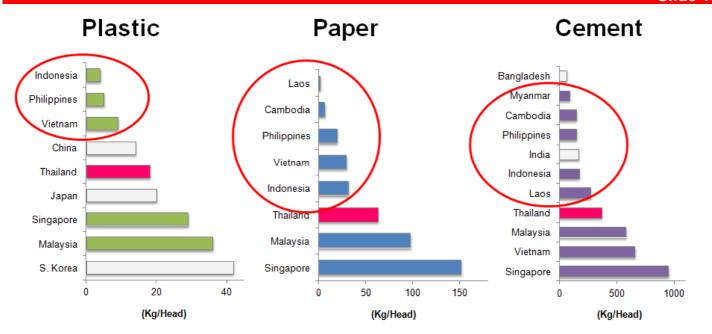
ASEAN accounts for 13% of assets, and 24% of staffs.



- Cement (RMC)







Low Consumption per Capita in ASEAN

NOTE: figures for 2011

Indonesian acquisitions (2011 - recently)

Indonesia is a key strategic ASEAN country with a large population base and high growth potential.



Boral Indonesia - Ready-mixed concrete

- Indonesia's leading producer of ready-mixed concrete (RMC) with a capacity of 2.2 million cubic metre, with 40 plants across Java and Sumatra.
- Includes other highly valued assets, such as concrete pipes, precast concrete operations, strategic quarries, and key limestone reserves for other expansion.

Chandra Asri Petrochemicals (CAP)

- Acquired 30% stake from Temasek Holdings, and CAP.
- CAP is a world scale integrated chemical complex, producing PE, PP, styrene monomer and other olefins products.
- Indonesia has attractive demographics, high growth, and ample demand.
- Significant synergies today, and future opportunities tomorrow.

Kokoh - Distributor of building materials

Network of 22 distribution centre and +10,000 wholesalers and retailers.

KIA - Ceramic tiles producer

- Market share of 10% and capacity of 27 M sqm.
- SCG's total capacity has increased to 149 M sqm (from 122).



Vietnamese box plant, valued 750 MB

 Alcamax has a capacity of 53,000 tons and has a leading Vietnamese market share with clients who are both large multinational and leading domestic producers.

Vietnamese White Cement Grinding Plant, valued 200 MB

Buu Long is a dominant producer of white cement in Vietnam.

Expansion of modular homes in Thailand, valued 2,900 MB

- SCG Heim's capacity was expanded to 1,000 homes per year, from 200 earlier.
- SCG Heim is joint venture with Sekisui Heim of Japan.

HVA Strategy

HVA = High Value Added Products & Services



50% by 2015

Slide 22

Subsidiaries' HVA

- Stake > 50%
- Consolidated accounting
- KPI = "HVA on Revenue from Sales"

Associates' HVA

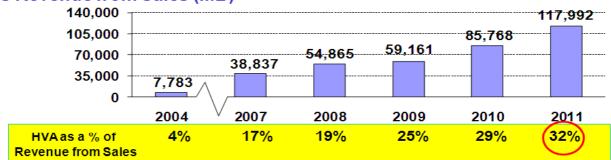
- Stake < 50%</p>
- Not consolidated (equity income)
- JV with global majors, benefiting from competitive earnings

HVA's key performance indicators

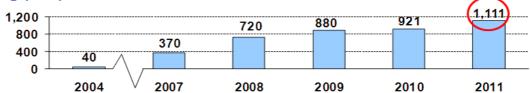


Slide 23





2/ R&D Spending (MB)



3/ R&D and Product Design Team (staffs / Jan/12)







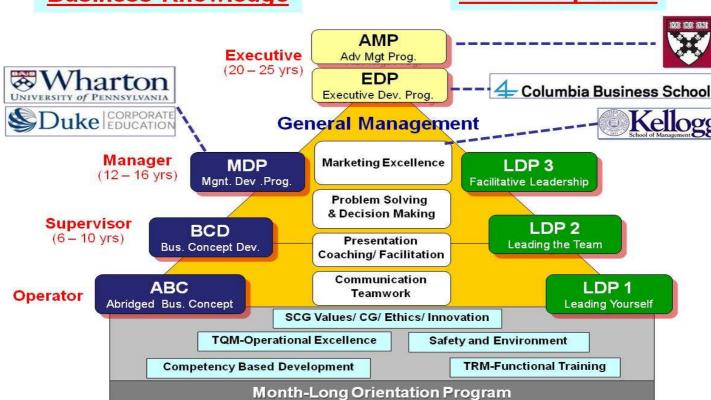
Systematic Training Roadmap

Competent staffs are key.



Business Knowledge

Leadership Skills



Corporate Scholarships

Began in 1973, with +400 scholarships granted.



MBA Scholarships

	'08	'09	'10	'11
US Harvard	-	-	-	-
Chicago	-	-	-	-
Stanford	-	-	-	-
Wharton	2	1	1	-
MIT	2	2	2	1
Columbia	1	-	-	2
UC Berkeley	-	-	-	-
NYU Stern	-	-	-	1
Kellogg	2	2	3	-
Dartmouth	-	-	-	-
Michigan	-	1	1	-
Duke	-	-	1	1
IMD	-	-	-	-
(EU) LBS	-	1	-	-
INSEAD	-	-	1	-
ISB (India)	-	-	-	-
Tsinghua	-	-	-	-
ASIA CEIBS	-	-	-	-
HKUST	-	-	-	1
Sasin	-	1	1	-
Total	7	8	10	6

Engineering Scholarships

	'08	'09	'10	'11		'08	'09	'10	'11
MIT	-	1	-	-	EU Cambridge	-	-	-	-
US Stanford	-	-	-	-	Imperial College	2	1	1	-
UC Berkeley	-	-	-	-	Oxford	-	1	-	-
Illinois	1	-	-	-	RWTHAachen	-	1	-	-
Califonia Tech	-	-	-	-	U. of London	-	-	1	-
Georgia Tech	-	3	1	-	CU-Warwick	-	-	1	-
Carnegie Mellon	-	-	2	2	Queen Mary (UK)	-	-	1	-
Michigan	-	1	-	-	Queen's U. Belfast (UK)	-	-	1	-
Cornell	-	-	-	-	U. Of Southampton			1	
UT Austin	-	-	-	-	(UK)	_		'	
North Western	-	-	-	-	Brunel U. (UK)	-	1	-	-
U. Southern California	-	1	-	-	UEC, Birmingham (UK)	-	1	-	-
Penn State U.	-	1	1	-	U. Manchester (UK)	1	-	-	-
John Hopkins U.	-	-	-	-	U. Aberdeen (Scotland)	1	1	-	-
Virginia Polytech	-	-	-	-	U. Dundee (Scotland)	2	1	-	-
U. Washington	-	-	1	-	IFP School (FR)	-	-	1	-
Western Michigan U.	-	1	-	-	Domus Academy (GER)	1	1	-	-
U. Massachusetts,	_	1	_	_	U. Tokyo	-	-	-	-
Lowell					ASIA Kyoto U.	-	-	-	-
U. Wisconsin-Madison	-	1	-	-	Tokyo Tech	-	-	-	-
U. North Carolina	1	-	-	-	Waseda U. (JAP)	-	1	-	1
U. Portland State	1	-	-	-	Ceramics Tech. (JAP)	-	-	1	-
Purdue U.	1	-	-	-	AIT	-	-	1	-
Current 53 stud				is).	Total	11	19	14	3

Agenda



- Snapshot
- Strategy
- Sustainability
- Business Updates
- Appendix



- Ranked <u>Global Sector Leader</u> (Building Materials & Fixtures) in 2011 by SAM.
- From 2008-2011, SCG also was ranked "Gold Class" and has been a member of the DJSI since 2004.
- DJSI represents the top 10% of the largest 2,500 stocks in the Dow Jones Global Total Stock Market Index, based on long-term Economic, Environmental and Social criterias.
- DJSI was established in 1999, and is the first truly global index to track sustainability initiatives of listed companies.
- More than 60 global funds in 16 countries allocate their asset portfolio in accordance to the DJSI.
- For further details: www.sustainability-index.com

DJSI Sector OverviewBuilding Materials & Fixtures



Slide 28

SUSTAINABILITY LEADERS

As of September 8, 2011

Company	Country	Industry Leader	DJSI World		DJSI Europe		DJSI North America		DJSI Asia/Pacific	
		Leader	Universe	Member	Universe	Member	Universe	Member	Universe	Member
Number of Companies			45	8	10	3	5	1	10	3
ASAHI GLASS CO LTD	Japan		4	4	J. J.		Į.		4	4
BORAL LTD	Australia	100	4						4	4
CRH PLC	Ireland		4	4	4	4				
HOLCIM LTD	Switzerland		4	4	4	4				
LAFARGE SA	France	8	4	4	4	4				8
OWENS CORNING	United States of America		1	4						
SIAM CEMENT PCL	Thailand	1	4	4						
TOTO LTD	Japan		4	1					4	1
WEYERHAEUSER CO	United States of America		4	4			1	V		

SCG eco value

Thailand's first eco label, accounting for 13% of sales or approx 47,000 MB.



SCG's eco Products & Services

3R Policy

Reduce / Reuse & Recycle / Replenish



Youth Development

Education / Science / Arts

Green Procurement

Greening the Supply Chain

Governance Social Activity

Waste & Water

Zero Waste to Landfill / Recycle



Community Well-being



Sports

Badminton / Football / Golf

Energy & Climate
WHG / Biomass / Green Building





Economy



Biodiversity

Mining / Check Dams

SCG eco value

Product & Service / Process

SCG eco value Examples



Slide 30



Cool Roofing System

40% Energy Reduction

Reflects heat and reduces air-conditioning usage by 40%





COTTO Sanitary Ware and Fittings

Reduces Water Usage by 25%

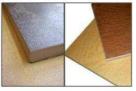


Cerafino Solar Roof Tiles

Solar Power

Produces 15W/tile from solar energy roof tiles

Reduces Water Usage by 25% Brass usage reduces by 60%



Heat Insulation STAYCOOL

Recycled Contents > 80%

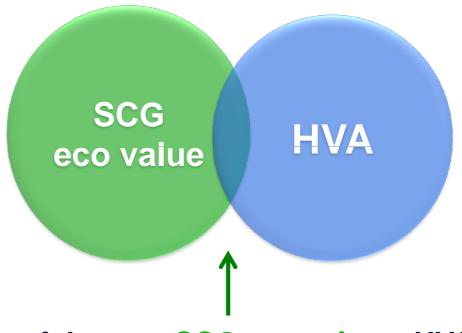
Reduces heat and contents use more than 80% of recycled materials



More than 60% of contents are recycled materials

Future of SCG eco value and HVA





Most of the new SCG eco value = HVA

Agenda



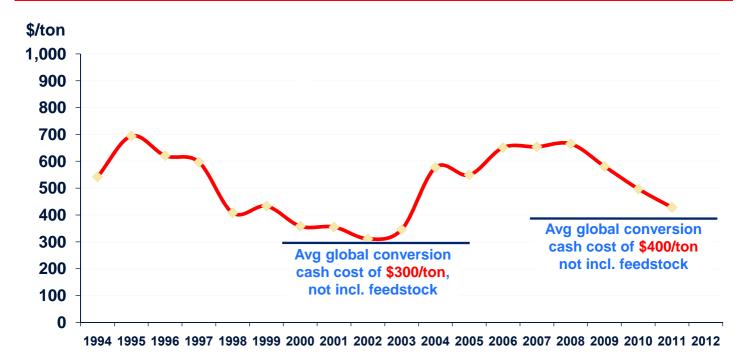
- Snapshot
- Strategy
- Sustainability
- Business Updates
- Appendix

Historical Margin: HDPE - Naphtha

Trough floor is supported by conversion cash cost.

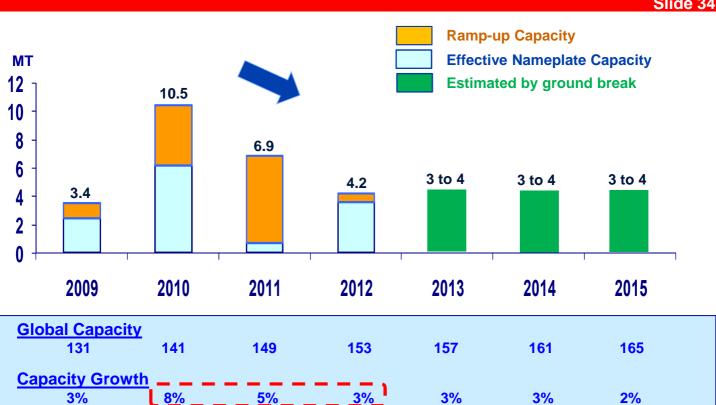


Slide 33



Global Ethylene Supply Growth



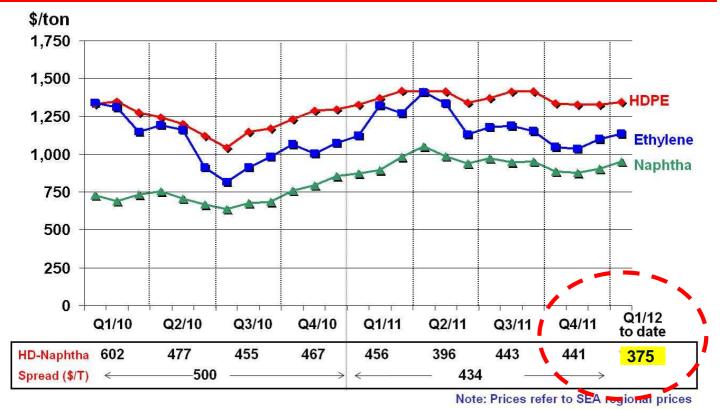


HDPE – Naphtha

Trough margins till the end of 2012.



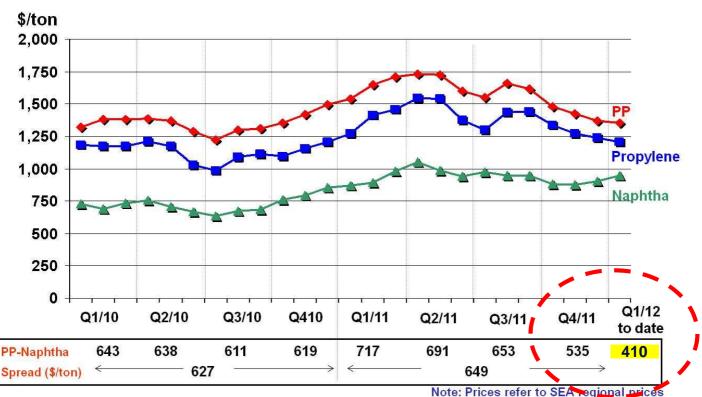
Slide 35



PP - Naphtha

PP margins are expected to outperformed HDPE.



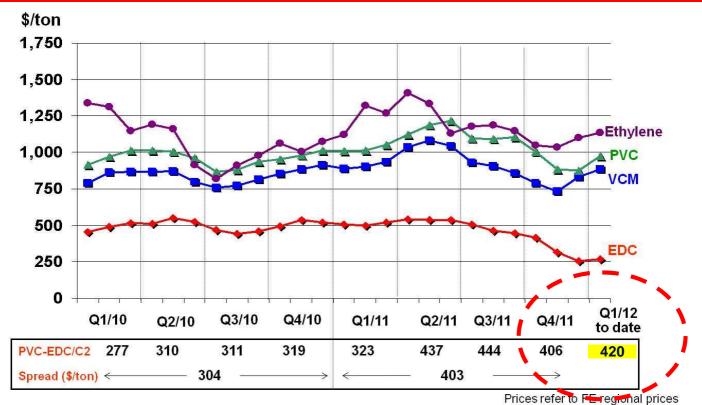


PVC

Benefiting from building activities in Asia.



Slide 37

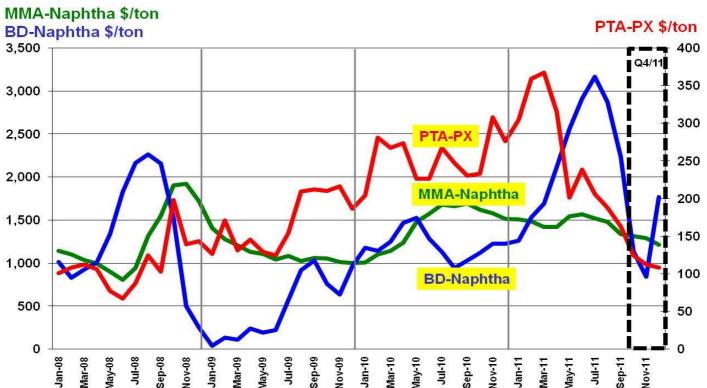


Price Gaps of Associates

MMA-Naphtha: Decreased demand from electronics. **BD-Naphtha:** Affected by lower natural rubber prices.

PTA-PX: Slow demand of polyester and excess Chinese supply.







- Trough margins for PE and PP are forecasted to remain for most of 2012.
- Tremendous margins leverage is expected in 2013 from the lack of new supply following the 2008 financial crisis.
- PTA business expects to see continued margins challenges.
- Recovery of margins for the MMA and Butadiene towards mid-2012, driven Asian demand growth.

Chemicals Project Updates



Slide 40

Vietnam Complex:

- Completion of JV Agreement on Feb 9/12.
- Completion of Feedstock Supply Agreement on Feb 9/12.
- Finalization of complex configuration and financing in 2013.

Chandra Asri: Finalize upgrades decision towards...

- Debottleneck capacity.
- Operational excellence for process control, and cost saving initiatives.
- Increased integration between cracker and downstream plants.
- Accelerate development of HVA.

Thai Plastic and Chemicals:

 Obtained shareholders approval for the purchase of an approx 30% additional shares from CPB Equity and founders on Jan 25/12.

SCG Chemicals' cracker capacity



Slide 41

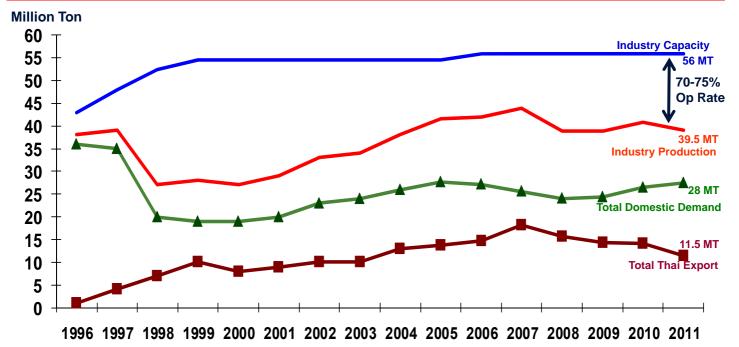
	Location	Start-up	Stake	Olefins Capacity (ton)				
	Location	Start-up	Stake	Ethylene	Propylene	Total		
1) MOC Complex	Thailand	2010	67%	900	800	1,700		
2) ROC Complex	Thailand	2000	64%	800	400	1,200		
3) Chandra Asri	Indonesia	1995	30%	600	320	920		
4) Long Son Project (under plan)	Vietnam	2017 - 2018 tentative	46%	-	-	1,400		
	•	•		•		5,220		

Domestic Cement Industry

Forecasted domestic demand growth of 5% in 2012.



Slide 42



Total Domestic Growth Rate (% y-o-y)

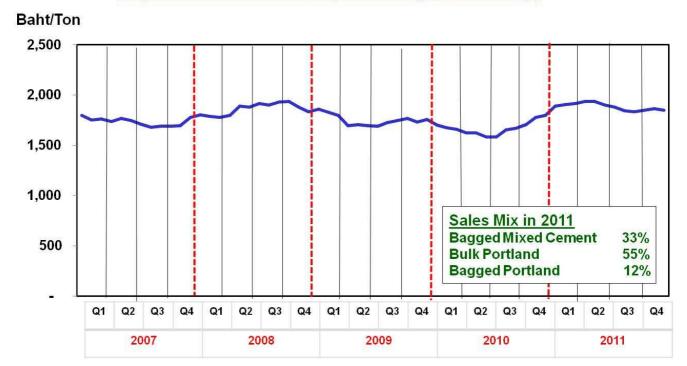
- 10% -45% 15% -8% -1% 23% 6% 11% 9% -2% -6% -6% 1% 10% 3%

Domestic Cement PricesWas approximately \$60/ton in Q4/11.



Slide 43

Avg Domestic Price of Grey Cement (Net ex-factory)



Cement Exports



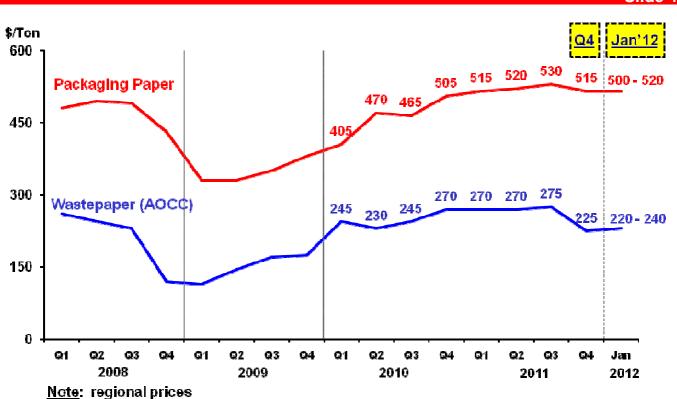




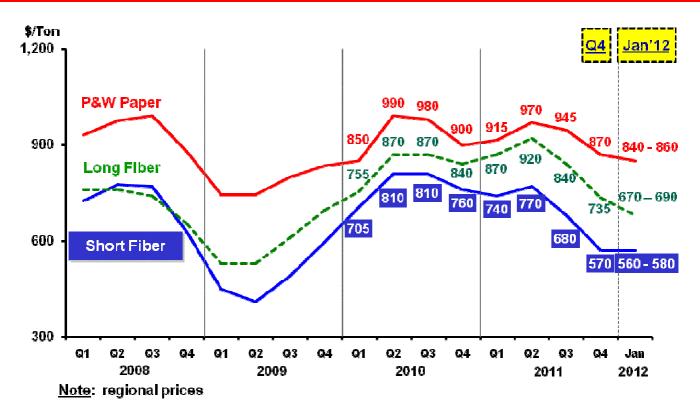
- Continued efforts on regional expansions in Indonesia, and Vietnam, while Cambodia and Myanmar looks interesting.
- Domestic demand in FY2012 is expected to grow 5%.
- The contributing factor is the significant growth in infrastructure sector from flood protection policy, coupled with strong growth in commercial and industrial sector as well as moderate expansion in residential sector.

Packaging Paper









Paper Q4/11 Outlook



- Full recovery from the flood is not expected until mid-2012.
- Packaging paper expects improved seasonal paper consumption despite demand softness during the Chinese New Year. Wastepaper prices should rebounded slightly from \$200-220/Ton
- Printing & Writing paper sees mild recovery in paper domestic demand compared to Q4/11, while the regional oversupply coupled with softening demand will continue to pressure paper prices.



Thank You

<u>Agenda</u>

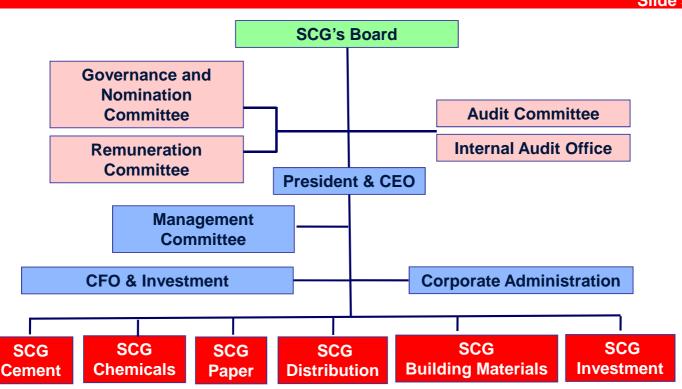


- Financial Updates
- Medium-Term Outlook & Strategy
- Business Updates
- Sustainability
- Appendix

- Founded in 1913.
- Listed on the SET since 1975.
- Market cap of \$13.4 Billion (local share price of 345 Bt/sh), and free float of approx 70%.
- Roots in cement, with expansions into building materials, distribution, paper, and chemicals.
- Currently employ approx 37,200 staffs.
- Asset of 374.7 Billion Baht (\$12.1 Billion)
- Key figures (FY2011):
 - Net Sales 368.6 Billion Baht (\$11.9 Billion)
 - EBITDA 46.3 Billion Baht (\$ 1.5 Billion)
 - Net Profit 27.3 Billion Baht (\$ 0.9 Billion)

SCG's Organization Chart

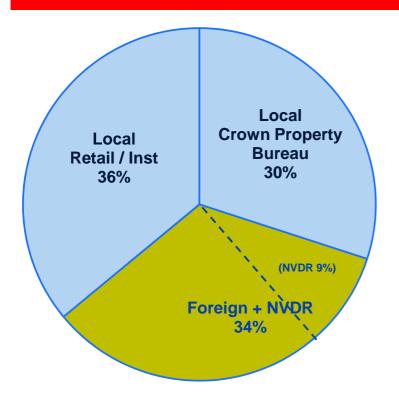




SCG's Shareholders



Slide 53



Local 66%	
Institution / Retail	36%
 Crown Property Bureau 	30%
Foreign 34%	
Foreign Board	25%
– NVDR	9%
Jan 25	5, 2012

SCG's Operational History



Slide 54

1913 – 1970's

1970's - 1980's

1980's - 1990's

Organic growth in construction material

Takeover of "ailing" industries Entry into new industries

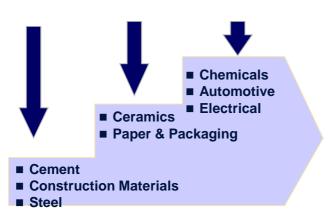


1998 - 2003

Restructure

Regional

Innovation



Core businesses today

- **SCG Chemicals**
- **SCG Cement**
- **SCG Building Materials**
- **■SCG Paper**
- **SCG** Distribution
- **SCG** Investment

Capacity at the End of 2011



Slide 55

Chemicals - Naphtha Cracker (consolidate	d)	Chemicals - Associates (equity accounting)				
Ethylene	1,700,000 tons	Dow Chemicals JV (50%)				
Propylene	1,200,000 tons	- LLDPE	650,000 tons			
Chemicals - Downstream (consolidated)		- Propylene Oxide	390,000 tons			
HDPE	1,180,000 tons	- Specialty Elastomer	220,000 tons			
LDPE + LLDPE	200,000 tons	- PS	120,000 tons			
PP	720,000 tons	- SM	300,000 tons			
PVC (Thailand, Indo, Vietnam)	940,000 tons	- Synthetic Latex	18,000 tons			
Cement (consolidated)		Mitsui Chemicals JV (20% - 50%)	1			
Grey Cement (Thai + Cambodia)	24 million tons	- PTA (50%)	1,440,000 tons			
Ready-Mixed Concrete	19 million metre ³	- PET (20%)	100,000 tons			
Building Products (consolidated)		- PP Compound (46%)	86,000 tons			
Ceramic Tiles (Thai, Indo, Phil)	149 M sqm	Mitsubishi Rayon JV (47%)				
Roofing Tiles (Thai, Cam, Phil, Viet)	87 M sqm	- MMA	175,000 tons			
Ceiling & Wall Products	65 M sqm	- Cast Sheets	20,000 tons			
Autoclaved Lightweight Concrete	15 M sqm	Chandra Asri JV (30%)				
Paper (consolidated)		- Ethylene	600,000 tons			
Packaging Paper (Thai, Phil, Viet)	1.88 million tons	- Propylene	320,000 tons			
Box (Thai, Malay, Sing, Viet)	795,000 tons	- HDPE / LLDPE	320,000 tons			
Printing & Writing Paper	565,000 tons	- PP	480,000 tons			
Short Fibre Pulp	425,000 tons	- SM	340,000 tons			

SCG's ASEAN Branding









SCG eco value: eco process

eco = Ecology + Economy

Balance and Sustainable relationship of economy, society and ecology

value

Value for stakeholders, society and environment received from innovative products and services











Reduced water usage



Reduced CO₂

Commitment Towards Sustainability





- One of the founding member of "<u>World Business Council for Sustainable Development</u>" (WBCSD) since 2000.
- Active participate in 2 member projects:
 - Cement Sustainable Initiative CSI
 - Sustainable Forestry Products Industry SFPI

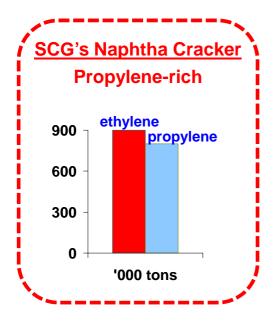


- World-scale integrated producers of upstream (2 crackers totaling 2.9 MT of olefins) and 6.3 MT of downstream chemicals at the subsidiary and associated levels.
- Successful partnership with world-class leaders such as Dow Chemicals, Mitsui Chemicals, and Mitsubishi Rayon.
- New partnership with Chandra Asri Petrochemicals in Indonesia.
- Strategic subsidiaries in Vietnam, and Indonesia.
- ASEAN market leader with a diverse portfolio of commodities and HVA products.
- High production efficiency and reliability by using leading and commercially proven technologies for all processes.
- Exports to over 110 countries worldwide.

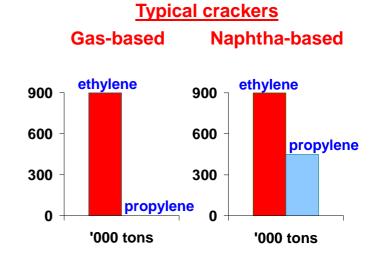
SCG Chemicals

The second naphtha cracker is propylene-rich.





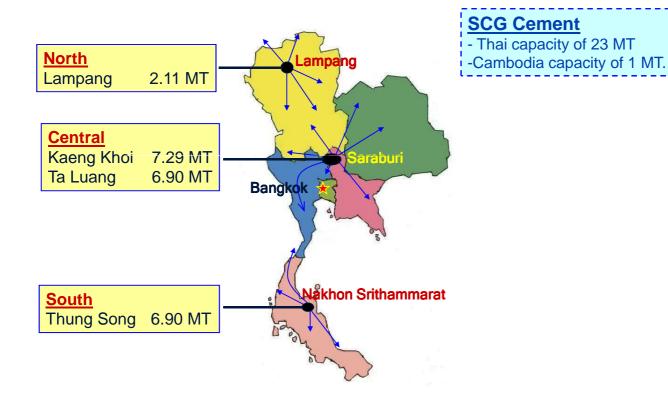




SCG Cement

Nationwide network, and domestic market share of approximately 40%.





SCG Cement

Waste-Heat Power Generator Program



- Utilize heat from the production process to turn steam turbines for generation of electricity, thereby lowering electrical consumption from the grid.
- Total investment of 5,750 MB, with return on investment of approx 25% or 1,600 MB per annum.

Phase 1	2,000 MB	Thailand	-started in Q1/08
Phase 2	350 MB	Cambodia	-started in Q2/09
Phase 3	3,400 MB	Thailand	-started in Q4/09
total	5,750 MB		

SCG Paper

Integrated and competitive operator of Packaging Paper and P&W Paper.



- Plants in Thailand, Vietnam, Philippines, Malaysia, and Singapore.
- Packaging paper capacity (1.9 million tons) is ASEAN's largest, and is integrated into box plants for customized products with Rengo of Japan as a successful partner.
- Printing & Writing operations (0.57 million tons) are supported by internal pulp production from tree farms.
- Quality printing and writing products includes:

"Idea Green" - 30% less virgin pulp via recycled pulp.

"Idea Work" - high grade photocopy paper.

"Idea Max" - lightweight (70 gram), high performance with dual-side usage.

"Green Read" - non-reflective paper for ease of reading.

SCG Paper



Slide 64

Printing & Writing Paper

Internal Eucalyptus Pulp





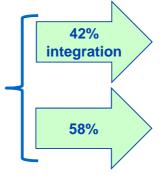
Printing & Writing Paper





Packaging Paper





Internal Sales -Corrugated Box

External Sales
-Containerboard
-Paperboard





SCG Building Materials

World's largest ceramics tiles producer, with diversified building product offerings.



Broad range of product offering

- Manufacturer of roofing, fiber cement, and autoclaved lightweight concrete products, in addition to sanitary ware and fitting (jv with TOTO), and landscaping services.
- Global sales to +50 countries.

Integrated solutions provider

- Roofing Center
- Cotto tile studio
- Cotto speed bathroom
- Modular house (jv with Sekisui Heim)

Environmentally-friendly products and services

- Non-asbestos fiber cement products
- SCG Eco Value label
- Revenue from high-value added products accounts for more than 40% of existing sales.

SCG Distribution

Primarily logistics, global trading, and domestic distribution



- Leading supply chain solution provider, whereby non-SCG clients accounts for approx 40% of total sales.
- Global international trading coverage is provided by the 35 global offices in 24 countries.
- Domestic logistics service provider to +200 clients, with +30 MT hauled in FY2011.
- Network of more than 450 exclusive domestic distributors nationwide.

Kokoh's 22 distribution centre in Indonesia



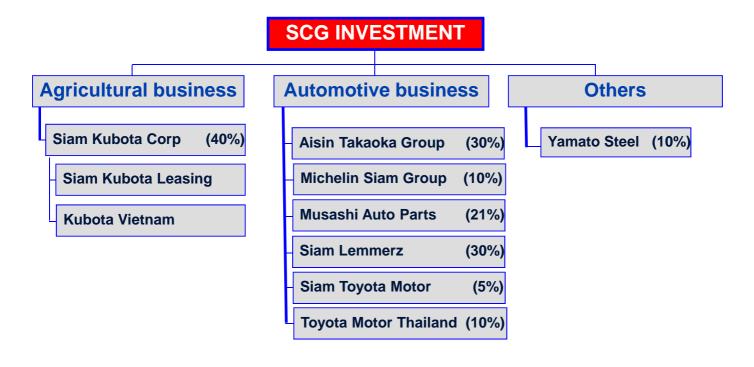
Slide 67



SCG Investment

Contribution in FY2011 was approx 1,009 MB in equity income, and another 2,346 MB from dividend income.

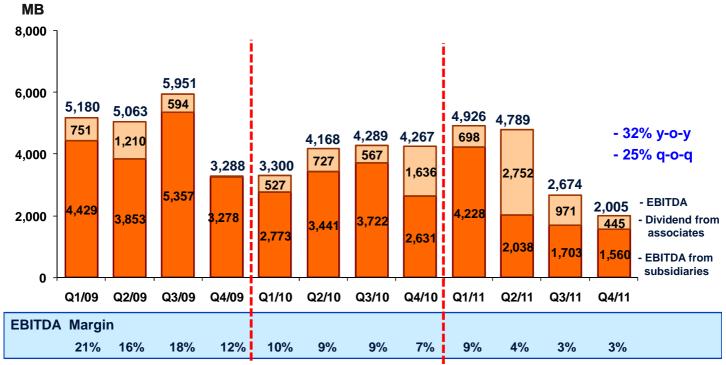




Chemicals EBITDA



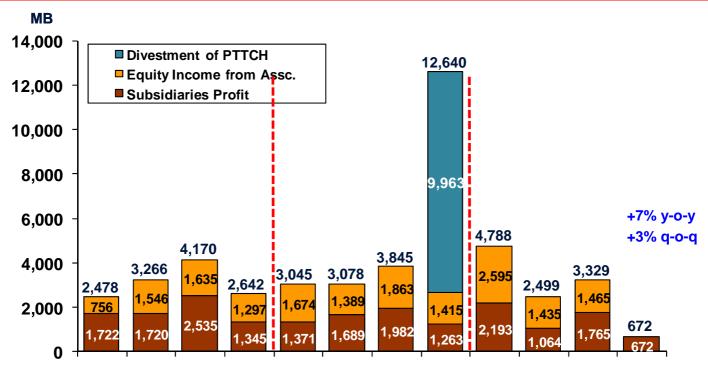
Slide 69



Note: EBITDA = EBITDA from operations + dividend from associated companies

Chemicals Profitability



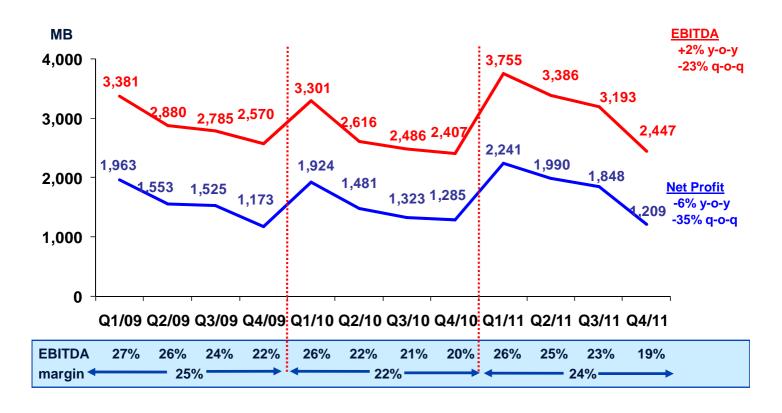


Q1/09 Q2/09 Q3/09 Q4/09 Q1/10 Q2/10 Q3/10 Q4/10 Q1/11 Q2/11 Q3/11 Q4/11

Cement Financials

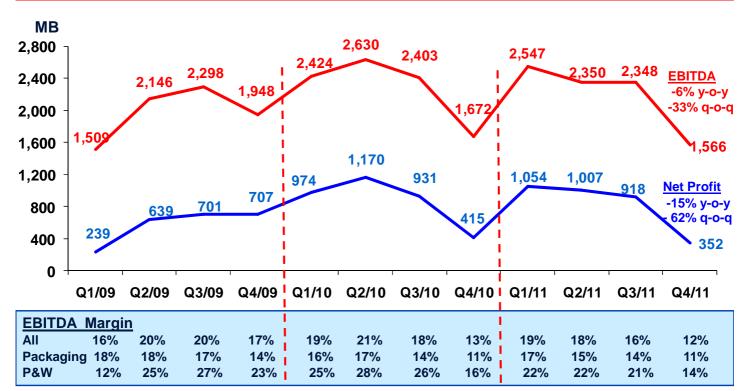


Slide 71



Paper Financials

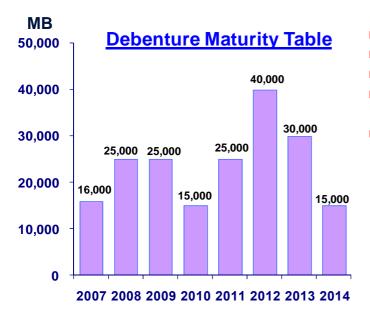




Debenture Profile



Slide 73



- Retail investors only.
- Unsecured, unsubordinated.
- No debt covenant.
- Thai Baht, fixed rate, and mostly 4-yr maturity tenure.
- Current "A" rating by Fitch (local).

NOTE: Debentures amount to110,000 MB, as of Q4/11.

Segmented Financials



2009 2010

Sales (MB)	2008	2009	2010	2011
Consolidated	293,230	238,664	301,323	368,579
Chemicals	136,527	101,115	144,317	192,929
Paper	47,110	42,729	51,714	54,839
Cement	49,999	46,661	48,954	54,249
Building Materials	23,351	26,873	30,719	34,171

` '					, ,				
Consolidated	293,230	238,664	301,323	368,579	Consolidated	285,776	315,986	359,219	374,653
Chemicals	136,527	101,115	144,317	192,929	Chemicals	138,504	165,947	165,087	176,614
Paper	47,110	42,729	51,714	54,839	Paper	51,089	48,271	50,127	52,542
Cement	49,999	46,661	48,954	54,249	Cement	60,770	60,680	61,018	60,180
ilding Materials	23,351	26,873	30,719	34,171	Building Materials	22,654	22,992	24,796	35,804

Assets (MB)

EBITDA (MB)	2008	2009	2010	2011
Consolidated	38,783	47,116	45,949	46,253
Chemicals	12,598	19,482	16,024	14,394
Paper	6,660	7,901	9,129	8,811
Cement	11,272	11,616	10,810	12,781
Building Materials	4,085	4,907	5,489	5,060

Profit for the Period (MB)	2008	2009	2010	2011
Consolidated	16,771	24,346	37,382	27,281
Chemicals	6,136	12,556	22,609	11,190
Paper	1,658	2,286	3,490	3,331
Cement	6,006	6,214	6,014	7,288
Building Materials	778	1,617	1,872	1,476

2008

EBITDA Margin (%)	2008	2009	2010	2011
Consolidated	12%	18%	14%	11%
Chemicals	7%	17%	9%	5%
Paper	14%	18%	18%	16%
Cement	23%	25%	22%	24%
Building Materials	16%	18%	17%	14%

EBITDA / Assets (%)	2008	2009	2010	2011
Consolidated	14%	15%	13%	12%
Chemicals	9%	12%	12%	8%
Paper	13%	16%	16%	17%
Cement	19%	19%	19%	21%
Building Materials	18%	21%	20%	14%