

Cagamas Berhad

National Mortgage Corporation of Malaysia

Investor Presentation

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- **Section 1** Company Overview
- Section 2 Business Overview
- **Section 3** Financial Highlights
- Section 4 Key Credit Strengths
- **Section 5** Malaysian Property Market Outlook





SECTION 1 Company Overview







Background



Entity Name	Cagamas Berhad	
Shareholders	Cagamas Holdings Berhad (100%)	
Credit Rating	A3 Stable (Moody's)	
Date of Incorporation	2 December 1986	
Objectives	 Established by Bank Negara Malaysia to support the national agenda of increasing home ownership and promoting the development of Malaysia's capital markets 	
	Development and promotion of Islamic finance within Malaysia	
	 Through the issuance of conventional and Islamic securities, Cagamas funds the purchase of housing loans and house financings through its Purchase With Recourse (PWR) and Purchase Without Recourse (PWOR) schemes 	
Business Model	 By doing this, Cagamas is able to provide liquidity to financial institutions at a competitive cost, encouraging them to provide additional housing loans and house financings to new applicants at an affordable price 	
	 The PWR and PWOR schemes have now been expanded to include other loans and financings such as hire purchase / leasing receivables and personal loans and financings 	



Cagamas at a Glance (cont.)



	ecent Awards and Accolades		
Transaction	Awards Won		
	 Best Issuer of the Year for Corporate, 2015 		
	Most Outstanding Securitisation House, 2013		
 Cagamas Berhad 	 Sukuk Issuer of the year, 2011 		
	 Islamic Issuer of the year, 2008 		
	Best Foreign Currency Bond Deal of the Year 2014 in Southeast Asia, 2014		
 Cagamas Global RMB 1.5 billion Tiger Emas bonds 	Best Renminbi (Offshore) Offering, 2014		
- Cagaillas Giobai Kwib 1.5 billion Tiger Ellias bolids	 Market Pioneer Award for the World's 1st RMB-bond by a Mortgage Corporation, 2014 		
 Cagamas MYR 1.0 billion one and three year Sukuk 	Best Corporate Sukuk , 2015		
 Cagamas MYR 3.8 billion multi-tenor Sukuk 	 Best Deal-Highly Commended, Malaysia, 2014 		
 Cagamas MYR500 million multi-tenor Sukuk Wakala Bil Istithmar 	 Highly Commended / Most Innovative Deal, 2013 		
	 Islamic Deal of the Year and Islamic Issuer of the year, 2011 		
Cagamas MYR1.0 billion Sukuk al-Amanah Li al-Istithmar	Best Islamic Deal, Malaysia, 2011		
(Sukuk ALIm)	Decision of the Year 2010 Country Deal of the Year, 2010		
	RAM Malaysia Innovation of the Year, 2010		
 Cagamas MYR230 million Variable Rate Sukuk Commodity 	Best Islamic Commodity-linked Murabaha, 2011		
Murabahah	Begin of the Year, 2010 Deals of the Year, 2010		
	Islamic Jessi Tawarruq Deal of the Year, 2009		
 Cagamas MYR915 million Sukuk Commodity Murabahah 	Decision fine Year 2009 Most Innovative Deal of the Year 2009		

Most Innovative Deal of the Year, 2009



Strategies and Key Objectives



Strategies and Key Objectives

- ✓ To be acknowledged as a leader in the provision of financial support in Malaysia's efforts to meet the housing needs of Malaysians
- \checkmark To be the pace-setter for the development of the bond and sukuk market within Malaysia
- ✓ To attain recognition on a national and international level for its work as a pioneer with a successful business model for others wishing to establish a successful secondary mortgage liquidity facility and mortgage-backed securitisation offerings

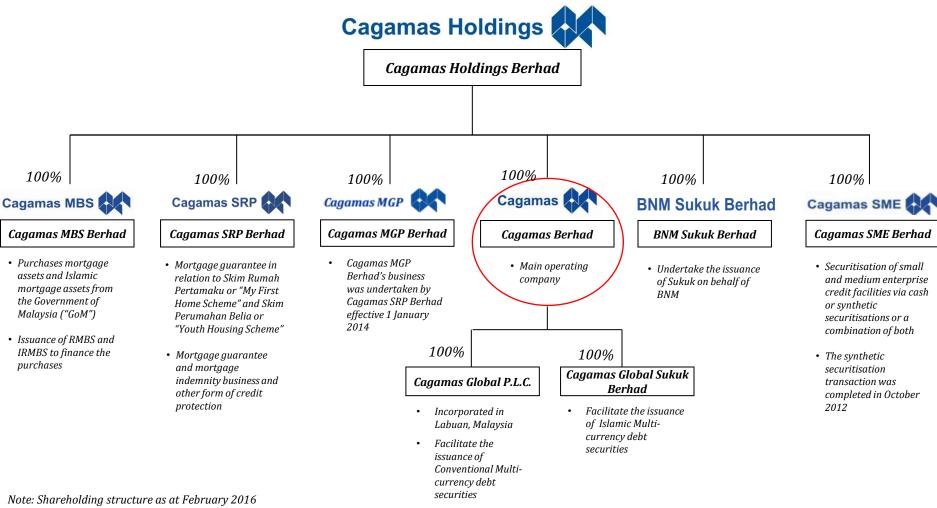
How Cagamas	 Providing innovative facilities at a competitive cost to primary home lenders
meets its	 Widening and deepening the scope of securitisation with innovative instruments
Objectives	 Nurturing and maintaining a competent workforce of the highest integrity and professionalism
	 Harnessing technology to enhance productivity and efficiency
	 Valuing staff for their commitment and loyalty
	Corporate culture: inculcating a caring and responsible corporate culture
	Continuing to help Malaysians gain access to competitive house financing
Future Plans	 Developing risk and capital management solutions to assist financial institutions especially in light of Basel III
	 Enhancing product offering participation in Development Financial Institutions to further spur the growth of SMEs
	 Providing competitively priced funding through diversification of funding sources and widening of investor base
	 Exploring opportunities to replicate Cagamas' business model in SE Asia to complement Malaysian financial institutions expanding abroad



Cagama



Cagamas Berhad is a wholly owned subsidiary of Cagamas Holdings Berhad and remains the core revenue and profit generator for Cagamas Group



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Shareholding Structure for Cagamas Holdings



> Shareholders Demographics:

BNM 20%	Comn	nercial Banks 73%	Investment Banks 7%		
Shareholders as at February 2016					
BANK NEGARA MALAYSIA CENTRAL BANK OF MALAYSIA	Shareholding: 20.0%	Standard Standard Chartered	Shareholding: 3.1%		
🔁 СІМВ	Shareholding: 16.5%	AFFINBANK	Shareholding: 2.9%		
Maybank	Shareholding: 14.2%		Shareholding: 2.2%		
RHB+	Shareholding: 8.6%	OCBC Bank	Shareholding: 2.0%		
AmBank	Shareholding: 8.0%	Bank of Tokyo-Mitsubishi UFJ	Shareholding: 0.5%		
PUBLIC BANK	Shareholding: 7.0%	Scotiabank	Shareholding: 0.2%		
HONG LEONG BANK	Shareholding: 6.0%				
HSBC (X)	Shareholding: 4.1%	The Royal Bank of Scotland	Shareholding: 0.2%		
ALLIANCE BANK	Shareholding: 3.7%	Deutsche Bank	Shareholding: 0.2%		
Note: The remaining shareholding of	0.6% are from other financial institution.	S	Cagamas		

Shareholders of Cagamas Holdings Berhad with links to Government of Malaysia/Ministry of Finance



Government of Malaysia/Ministry of Finance 100.00% Yayasan Pelaburan **Bumiputra** 100.00% 100.00% Permodalan **Employees** Khazanah National Berhad **Provident Fund*** National 12.80% 16.89% 29.50% 41.00% **CIMB** Group **RHB** Capital Holding 99.99% 100.00% 43.70% **Bank Negara** Malayan Banking **RHB Bank Group CIMB Bank Berhad** Malaysia** **Berhad** 20.00% 14.20% 8.60% 16.50% Cagamas **Holdings Berhad** Note: 100.0% Government agency under MoF Cagamas ** Statutory body wholly owned by Government of Berhad Malaysia and reports to MoF Cagamas 10 National Mortgage Corporation of Malaysia



SECTION 2 Business Overview

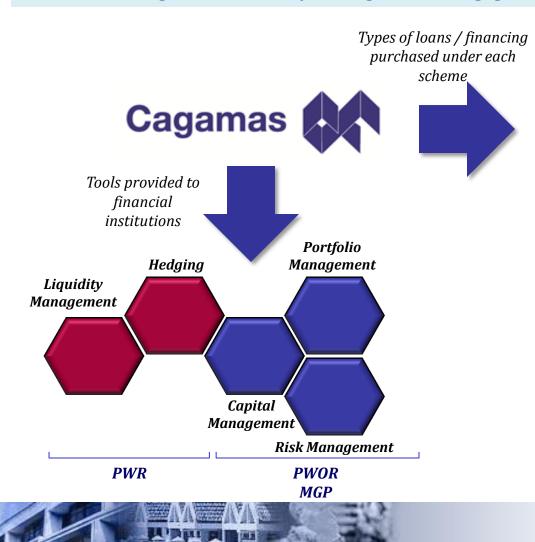




Business Overview



Cagamas is primarily engaged in the purchasing of loans and financings from financial and non-financial institutions under the Purchase with Recourse (PWR), Purchase without Recourse (PWOR) and guaranteeing housing loans and house financings under Mortgage Guarantee Programme (MGP) schemes



Purchase with Recourse (PWR)

- Housing Loans
- Islamic House Financings
- Commercial and Industrial Property Financings
- Hire Purchase and Leasing Debts
- Islamic Hire Purchase / Islamic Leasings
- Personal Loans
- Islamic Personal Financings
- Rahn Financings

Purchase without Recourse (PWOR)

- Housing Loans
- Islamic House Financings
- Hire Purchase
- Islamic Hire Purchase / Islamic Leasings

Mortgage Guarantee Programme (MGP)*

- Housing Loans
- Islamic House Financing
- Skim Rumah Pertamaku /My First Home Scheme
- Skim Perumahan Belia / Youth Housing Scheme

MGP offers "first loss" protection on a mortgage porfolio while the mortgage assets remain on the originator's books

* Under Cagamas SRP Berhad

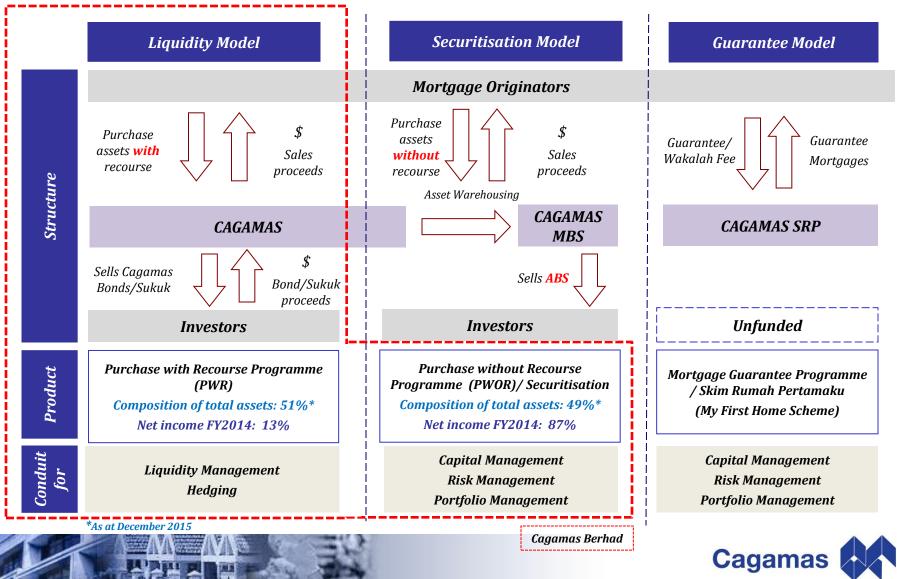


Business Model



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Cagamas purchases loans and financing under 2 schemes - Purchase with Recourse and Purchase without Recourse





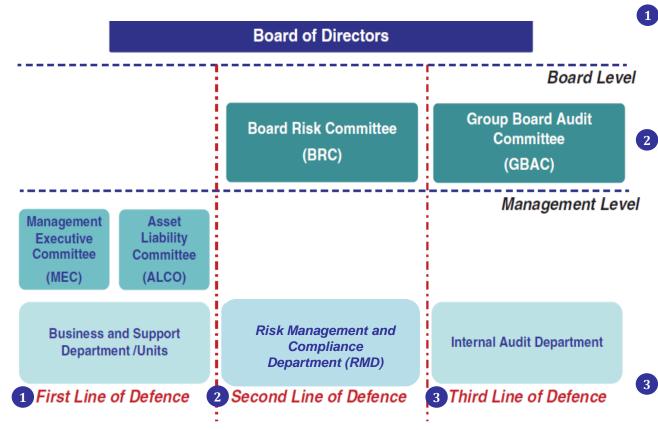
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Cagamas is governed by the following regulations under the respective authorities





Cagamas takes a holistic and enterprise-wide view in managing risk. The Cagamas Board of Directors approved the ERM which details the scopes of responsibility and accountability of the respective parties involved. In line with the ERM Framework, Cagamas employs three lines of defence when managing risk.



The business units within Cagamas are the first line of defence, and have the primary responsibility of identifying, mitigating and managing risks within their line of business. They also ensure that their day-to-day activities are conducted in line with established risk policies and procedures, and that no limits are exceeded.

- An independent Risk Management and Compliance Department (RMD) acts as Cagamas' second line of defence by providing specialised resources to proactively manage risks. This includes assessment of risk exposures and the coordination of risk management on an enterprise-wide basis. The RMD is also responsible for ensuring that risk policies are implemented accordingly. The Compliance Unit within the RMD oversees the statutory compliance framework of the Group, by ensuring that a comprehensive compliance programme is in place and regular audits are conducted to monitor adherence.
- The Internal Audit Department (IAD) is Cagamas' third line of defence and is responsible for independently reviewing the adequacy and effectiveness of risk management processes, the system of internal controls and compliance with risk policies.





ASSET & LIABILITY COMMITTEE (ALCO)

Proactive asset and liability management to mitigate risks and optimise profitability

Identified Risk	Risk Control
Market Risk &	Match-Funding Policy
Liquidity Risk	Duration Gap
	Liquidity Gap Limit
	Liquidity Ratio
Funding Risk	• Interbank borrowing and repurchase agreement (REPO) as 'Approved Interbank Institution' ¹
	Intraday credit facility from BNM as 'RENTAS' ² member
	Strong shareholders' funds as additional source for liquidity needs
	 Cagamas Debt programme - MYR40 billion MTN/IMTN, MYR20 billion CP/ICP and USD5 billion Conventional/Sukuk Multi-Currency MTN Programme
	• Issuance and distribution of its own debt securities as 'Registered Person' under CMSA ³
	• Facility Agent of its own debt securities as a 'FAST' ⁴ member
Credit Risk - Investment	Prudent Investment Policy
	Stringent Credit Concentration Limit Exposure
	Regular Credit Review

1. Cagamas status as "Approved Interbank Institution" enable direct access to interbank money market as stipulated in The Malaysian Code of Conduct for Principals and Brokers in the Wholesale Money Market and Foreign Exchange Markets

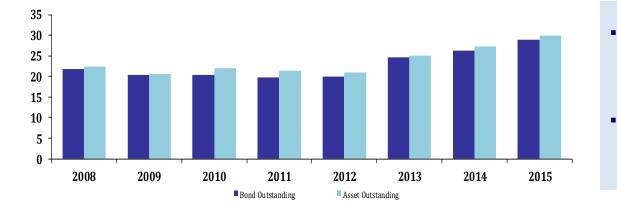
2. Real Time Electronic Transfer of Funds and Securities is a real time gross settlement system for transfer and settlement of interbank funds and scriptless securities transactions

- 3. The Capital Markets and Services Act 2007 issued by the Securities Commission of Malaysia in relation to dealing with fund raising activities
- 4. Fully Automated System for Issuing/ Tendering



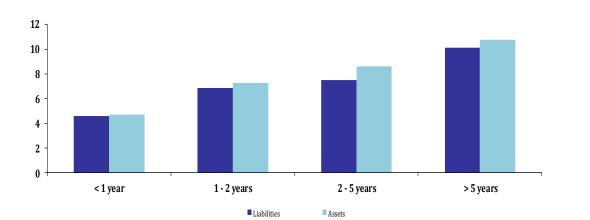


Outstanding Bonds/Sukuk and Assets since 2008 (as at December 2015)



- Cagamas practices a strict match-funding policy where all asset purchases are funded by bonds/Sukuk of matching size, duration and self-sufficient in cash flows
- Cagamas also imposes a duration gap limit to manage liquidity and interest/profit rate risk

Maturity Profile of Assets and Bonds/Sukuk (as at December 2015)



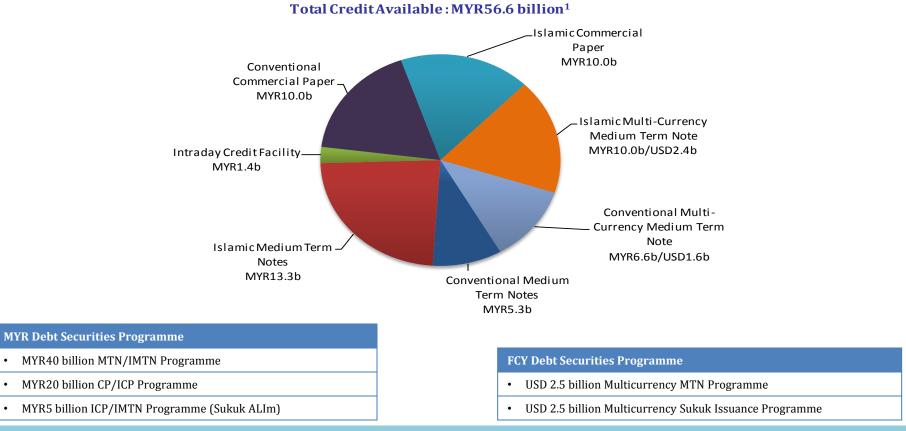
- The maturities of the assets and liabilities are also matched as close as possible
- Cagamas also places limits on maximum shortfall against shareholders' funds and liquidity ratio to ensure sufficient funds to meet maturing liabilities





Cagamas has access to intraday credit facility provided by Bank Negara Malaysia

Available Credit (As at February 2016)



In addition to these, a minimum of 50% of Cagamas' fixed income investments are in government/government-guaranteed issues which can be used to obtain funding via REPO

Note 1: USD/MYR exchange rate of 4.2000 (as of 29 February 2016)



Objectives:

- Widening the Company's investors base and network
- Diversify funding sources
- > Achieve competitively priced funding from international liquidity pool
- Funding of potential purchase of non MYR assets
- > Developmental role in deepening and broadening the Malaysian and international debt capital market
- Reduce over reliance on single benchmark for pricing
- Reduce overcrowding effect in domestic market

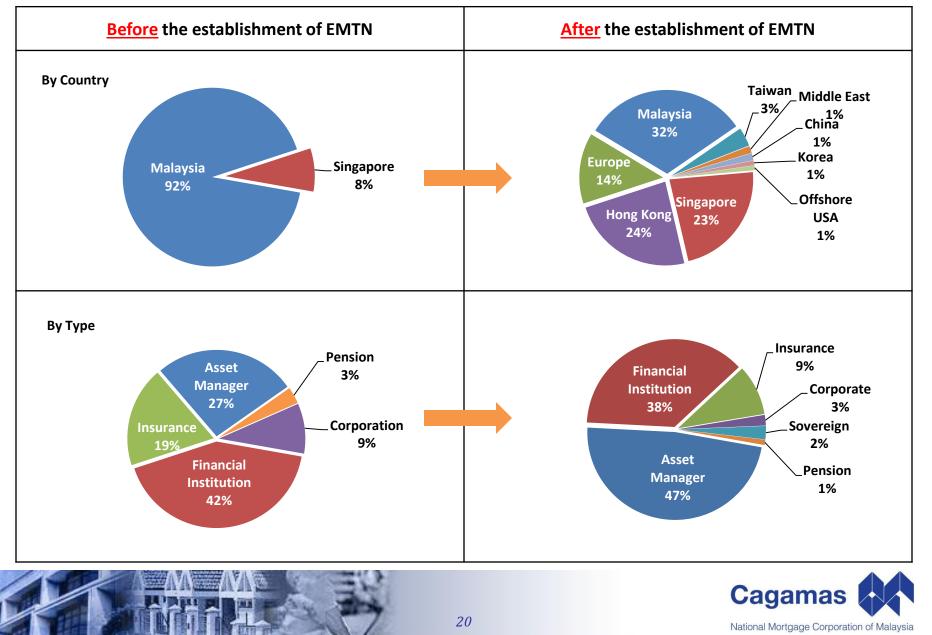
Programme Features:

	Multicurrency Medium Term Note Programme			
Туре	Conventional	Islamic		
Programme Size	USD 2.5 billion	USD 2.5 billion		
Tenor	Perpetual			
Rating	A3 by Moody's Investors Service, Inc.			
Issue format	nat Regulation S			
Governing laws	English Law			

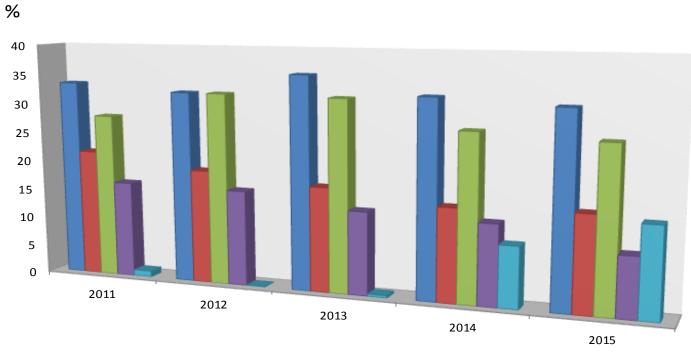








Investor's profile based on outstanding debt securities



Banking Instit	utions 📕 Insura	nce Companies	Provident/Pension	Funds 🗖 O	thers* 🗖 Non-Re	esident
	Banking Institutions	Insurance Companies	Provident/ Pension Funds	Others*	Non-Resident	
2015	32%	16%	27%	10%	15%	
2014	33%	16%	28%	13%	10%	
2013	36%	17%	32%	14%	1%	

* Others – Local Corporations, Government-Linked Companies and Trust Funds



TOP 10 MYR PDS Secondary Trading Performance for 2015 (excluding Government Guaranteed)



	Ranking	Issuer	Rating	Trade Amount (MYR '000)	
	1	Cagamas Berhad	AAA	5,305	
	2	Projek Lebuhraya Usahasama Berhad	AAA	4,382	
	3	Danga Capital Berhad	AAA	2,693	
	4 Sarawak Energy Berhad5 BGSM Management Sdn Berhad		AA1	2,652	
			AA3	2,605	
	6	Aman Sukuk Berhad	AAA	2,060	
	7	Telekom Malaysia Berhad	AAA	2,030	
	8	Malakoff Power Berhad	AA	1,912	
	9	YTL Power International Berhad	AA1	1,796	
	10	Edaran SWM Sdn Berhad	AA3	1,597	

Source: Bursa Malaysia Electronic Trading Platform as at December 2015





Cagamas debt securities continue to be included in widely followed global indices

INDICES	MYR	HKD	RMB	USD
HSBC Asian Local Bond Index (ALBI)	√			
HSBC Asian Local Bond Index (ALBI)		✓		
Markit iBoxx ALBI Index		✓		
HSBC Offshore Renminbi Bond Index			✓	
Barclays Capital Offshore Renminbi (CNH) Bond Index			✓	
FTSE-BOCHK Offshore RMB Bond Index Series			✓	
FTSE-BOCHK Offshore RMB Investment Grade Bond Index			✓	
Citi Dim Sum (Offshore CNY) Bond Index			✓	
Markit iBoxx ALBI Index			✓	
Barclays Global Aggregate Index				√
J.P Morgan Asia Credit Index (JACI)				√
Citi World Broad Investment-Grade (WorldBIG) Index				J
Citi Asian Broad Bond Index (ABBI)				J
Markit iBoxx Asian USD Dollar Bond Index				\checkmark





SECTION 3 *Financial Highlights*

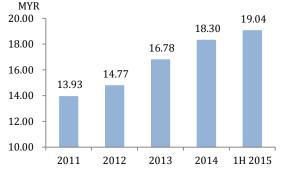




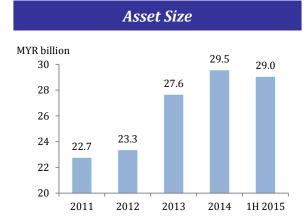


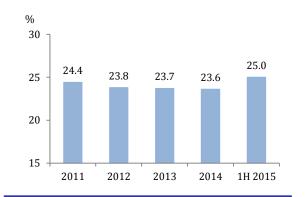
Healthy asset growth with sustained profitability

Profit Before Tax MYR million 1H 2015



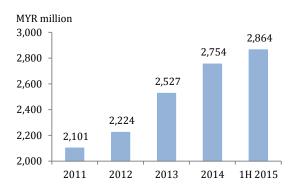
Net Tangible Asset per share

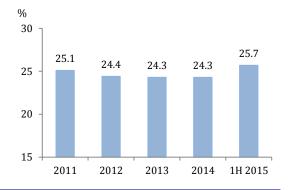




Core Capital Ratio

Shareholders' Fund





Risk Weighted Capital Ratio





SECTION 4 Key Credit Strengths

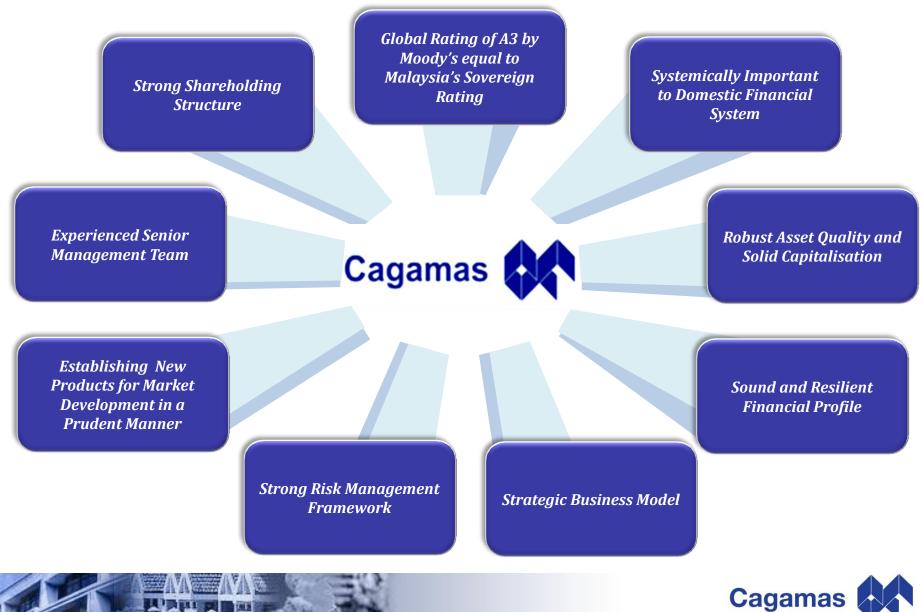




Key Credit Strengths

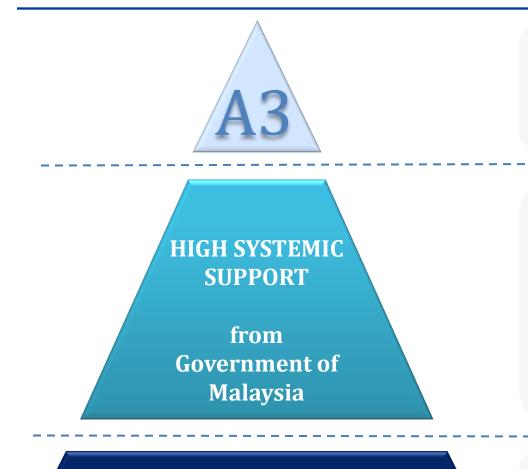


National Mortgage Corporation of Malaysia



Global Rating of A3 by Moody's Equal to Malaysia's Sovereign Rating





STRONG CREDIT PROFILE

Sovereign Equivalent Rating

- Special policy role
 - Supporting the national objective to increase home ownership & promote development of Malaysia debt capital market
- Close linkages with BNM and the Government
- High systemic importance in Malaysian financial sectors
 - ✓ Significant linkages with other FIs and prominent

role in the debt capital market

- Strong Capitalisation
- Good Asset Quality
 - ✓ Above industry average
- Stable Profitability



Systemically Important to Domestic Financial System



Cagamas plays a systemically important role in the domestic financial system, underscored by its dual function as liquidity provider and as a leading issuer of conventional debt securities and Sukuk



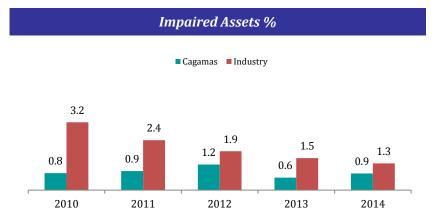
- Provide credit and portfolio risk management solutions
- Provide capital management solutions
- Conduit to remove systemic risk in the financial sector
- Conduit for best practices & setting up of standards development of conforming financing standards
- Cagamas Group has issued papers worth MYR292 billion to the financial market and has successfully redeemed MYR256 billion with not even a single technical default as at Feb 2016
- Highest traded AAA issuer in Malaysia



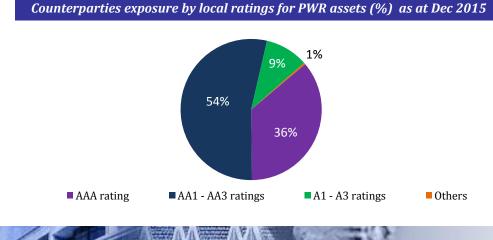


Cagamas' asset quality is robust, premised on its exposure to highly rated PWR counterparties and the provision of loans/financings with non-discretionary salary deduction at source as a key feature of its PWOR portfolio

- As at December 2015, more than 85% of the Company's counterparties under the PWR scheme carried at least AA ratings. There has been zero impairment losses for PWR assets
- The company's PWOR portfolio is considered healthy given that these receivables are subject to non-discretionary salary deductions at source. Cagamas' ratio of loans/financings that are 90 days past due came up to 0.9% as at end-December 2014, lower than the Malaysian banking system's gross impaired loan/financing ratio of 1.3% for residential property mortgages
- The ratio of its PWR and PWOR receivables stood at about **51:49**



Source: Bank Negara Malaysia (Industry)





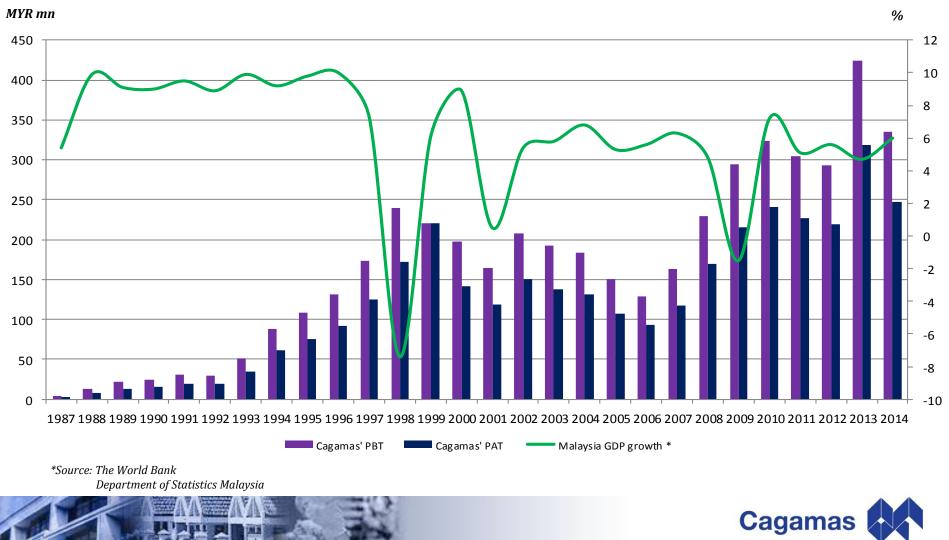






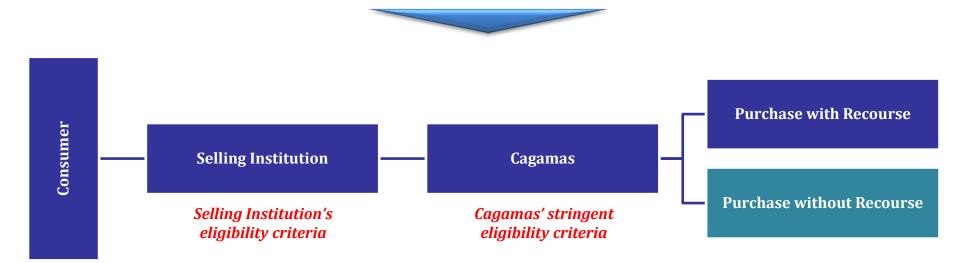
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Cagamas consistently achieves strong and resilient profit since its inception, demonstrating that business is managed in both prudent and profitable manner





Since the commencement of operations in 1987, Cagamas has been a global role model of how emerging countries can establish successful secondary mortgage liquidity facilities



- The Selling Institution will have applied its own eligibility criteria in granting the loan / financing to the consumer
- Cagamas will have applied its own stringent eligibility criteria in determining that the loan / financing to be purchased from the Selling Institution is of sufficient quality to maintain the high quality of Cagamas assets

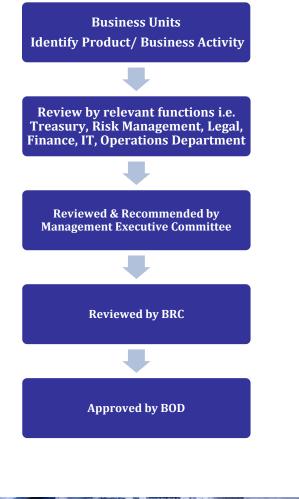
The success of Cagamas' business model has been recognised by other countries as well as the World Bank and the Asian Development Bank







The strong risk management framework is a major contributor to the highly successful Cagamas business model

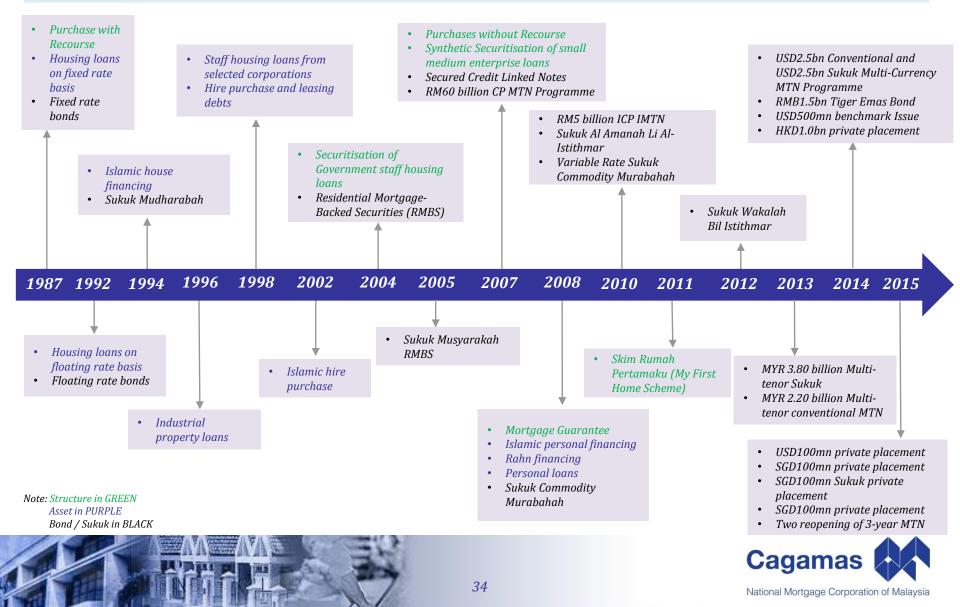


- Rigorous New Product Approval Process governing the end-to-end process for obtaining approval for all businesses/products.
- Identification of new products or variation of existing products by the Business Units;
- Robust process include setting up of a working committee to ensure new product is in line with the Company's objectives;
- Research and development shall be undertaken during the establishment to include essence of the product, risk profile of the product, impact on consumers/markets, legal, regulatory, tax, accounting and compliance requirements.





Cagamas has strong expertise with 28 years of successful operations





Cagamas has an experienced senior management team, with an average of more than 20 years of industry experience

Senior Management Team

Chung Chee Leong President / Chief Executive Officer

Years in Industry: 31 years Years in BNM: 29 years



Norazilla Md Tahir Chief Financial Officer

Years in Industry: 22 years



Audrey Wong Chief Risk Officer

Years in Industry: 20 years



Azizi Ali Senior Vice President, Islamic Business

Years in Industry: 28 years



Badrulnizam Bahaman Senior Vice President, Core Business

Years in Industry: 21 years



S. Shanmuganathan Senior Vice President, Operations and Services

Years in Industry: 28 years



Abdul Halim Salleh Senior Vice President, Treasury & Capital Markets

Years in Industry: 20 years



Mazlina Saidi Senior Vice President, Human Capital & Administration

Years in Industry: 30 years





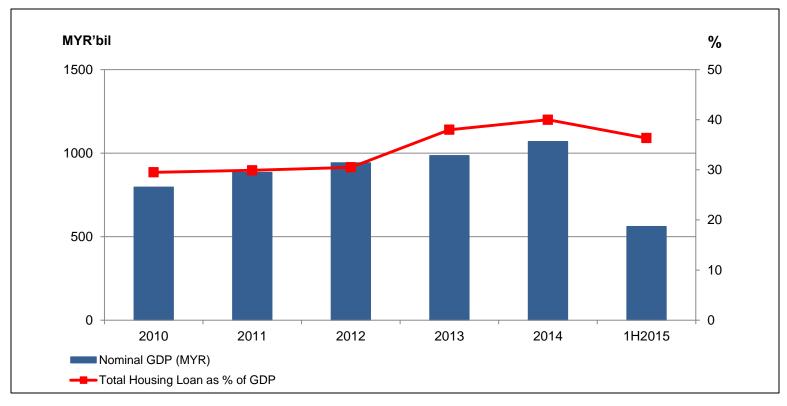
SECTION 5 Malaysian Property Market Outlook







Growth of mortgage debt as a significant contributor to Malaysian GDP of 36% in 1H2015



Source: Central Bank of Malaysia, Annual Report (Various years)

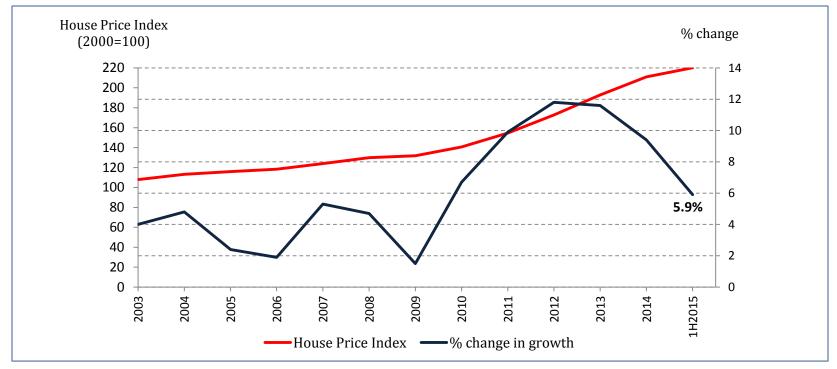




Malaysia House Price Index



- House prices recorded slower growth at 5.9% in 1H2015 (9.4% in Q42014)
- This is due to post effect from cooling measures implemented by Government of Malaysia and Central Bank to curb the increase in property prices



Source: National Property Information Centre







Thank You

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