

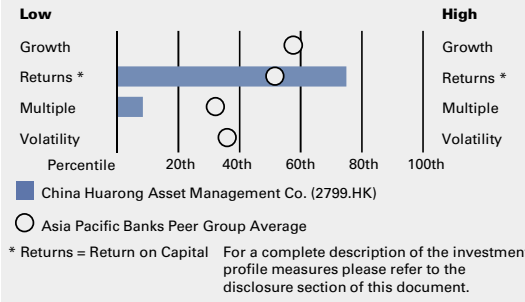
ACTION

Buy**China Huarong Asset Management Co.****Return Potential: 34%**

Equity Research

Leading AMC with an integrated platform, above-peer ROAE; initiate Buy**Source of opportunity**

We initiate China Huarong Asset Management (Huarong) at Buy, with a 12-month target price of HK\$4.1, implying 34% upside. Huarong is China's largest financial asset management company (AMC) in terms of total assets, as of 2014, with the highest net profit and ROAE among the four national AMCs. Leveraging its traditional strengths in the distressed asset management (DAM) business and promoting group synergies, Huarong aims to become a leading financial holding company. We believe it is well-positioned to deliver strong earnings growth through the economic cycle on its comprehensive financial services platform and improving group synergies.

Investment Profile**Catalyst**

We forecast Huarong's NPAT to grow 35%/24%/17% in 2015E/16E/17E, or at 25% 2014-17E CAGR, driven by: **(1) strong revenue growth from DAM** at 29% 2014-17E CAGR on the back of 32% distressed asset balance expansion, offsetting gradually lower returns, **(2) stable revenue growth of 15% CAGR at financial services and asset management units** as interest rate cuts and financial market conditions may result in slower growth in banking, leasing and securities business, and **(3) lower impairment charges** in 2016E/17E on restructuring debts, factoring in gradual slowdown of restructuring debts growth to a more sustainable level and stable provision/loan ratio at c.7%.

Valuation

Our 12-month SOTP-based target price of HK\$4.1 implies 1.3X 2015E P/B. We see valuation as attractive with Huarong trading at 1.0X 2015E P/B given 17%/2.5% ROE/ROA on average during 2015E-17E, stronger growth profile and less balance sheet risk than banks. Its closest comparable Cinda is trading at 0.81X 2015E P/B.

Key risks

A sharp GDP/property market slowdown could lead to higher credit risks for DAM, banking and leasing assets. Further, we see rising competition from the other 3 national AMCs, provincial AMCs, and other financial institutions.

INVESTMENT LIST MEMBERSHIP

Asia Pacific Buy List

Coverage View: Neutral

Nan Li, CFA
+86(10)6627-3021 nan.li@ghsl.cn Beijing Gao Hua Securities Company Limited

Yvonne Qian
+86(10)6627-3463 yvonne.qian@ghsl.cn Beijing Gao Hua Securities Company Limited

Jessica Wu
+86(10)6627-3487 jessica.wu@ghsl.cn Beijing Gao Hua Securities Company Limited

Key data	Current
Price (HK\$)	3.06
12 month price target (HK\$)	4.10
Market cap (HK\$ mn / US\$ mn)	119,554.8 / 15,421.5
Foreign ownership (%)	--

	12/14	12/15E	12/16E	12/17E
EPS (Rmb)	0.38	0.40	0.46	0.53
EPS growth (%)	13.8	5.0	13.7	16.6
EPS (diluted) (Rmb)	0.33	0.37	0.46	0.53
EPS (basic pre-ex) (Rmb)	0.38	0.40	0.46	0.53
P/E (X)	NM	6.3	5.6	4.8
P/B (X)	NM	1.0	0.9	0.8
EV/EBITDA (X)	NM	NM	NM	NM
Dividend yield (%)	NM	3.6	4.4	5.1
ROE (%)	19.1	17.1	16.8	17.3
CROCI (%)	NM	NM	NM	NM

Price performance chart

Share price performance (%)	3 month	6 month	12 month
Absolute	--	--	--
Rel. to Hang Seng China Ent. Index	--	--	--

Source: Company data, Goldman Sachs Research estimates, FactSet. Price as of 12/02/2015 close.

China Huarong Asset Management Co.: Summary Financials

Profit model (Rmb mn)	12/14	12/15E	12/16E	12/17E	Balance sheet (Rmb mn)	12/14	12/15E	12/16E	12/17E
Total revenue	51,060.5	68,204.3	80,824.0	92,424.7	Cash & equivalents	26,945.3	40,271.7	60,847.1	57,229.1
Cost of goods sold	--	--	--	--	Accounts receivable	--	--	--	--
SG&A	(5,435.3)	(7,022.8)	(8,566.5)	(9,633.0)	Inventory	0.0	0.0	0.0	0.0
R&D	--	--	--	--	Other current assets	87,103.5	100,169.0	115,194.4	132,473.5
Other operating profit/(expense)	(6,225.6)	(9,162.2)	(8,177.5)	(7,281.8)	Total current assets	114,048.8	140,440.7	176,041.5	189,702.6
EBITDA	35,913.0	47,835.3	59,268.3	69,976.4	Net PP&E	3,990.7	4,190.2	4,399.7	4,619.7
Depreciation & amortization	0.0	0.0	0.0	0.0	Net intangibles	0.0	0.0	0.0	0.0
EBIT	35,913.0	47,835.3	59,268.3	69,976.4	Total investments	106,818.3	132,056.2	156,249.8	182,266.9
Interest income	--	--	--	--	Other long-term assets	375,663.3	492,685.5	615,517.6	731,442.1
Interest expense	(17,903.7)	(23,822.2)	(29,745.5)	(35,664.2)	Total assets	600,521.1	769,372.6	952,208.6	1,108,031.4
Income/(loss) from uncons. subs.	72.1	90.2	108.2	129.8	Accounts payable	0.0	0.0	0.0	0.0
Others	(1,307.2)	(1,437.9)	(1,581.7)	(1,739.9)	Short-term debt	26,283.1	28,911.4	31,802.5	34,982.8
Pretax profits	16,774.2	22,665.3	28,049.3	32,702.1	Other current liabilities	372,902.3	427,290.0	506,452.8	594,220.2
Income tax	(3,743.6)	(5,099.7)	(6,311.1)	(7,358.0)	Total current liabilities	399,185.4	456,201.4	538,255.4	629,203.0
Minorities	(2,373.9)	(3,200.1)	(3,960.2)	(4,617.2)	Long-term debt	48,002.1	115,205.1	184,328.2	211,977.4
Net income pre-preferred dividends	10,656.7	14,365.5	17,778.0	20,727.0	Other long-term liabilities	69,801.5	83,641.8	100,232.2	120,119.9
Preferred dividends	(0.7)	0.0	0.0	0.0	Total long-term liabilities	117,803.6	198,846.9	284,560.4	332,097.3
Net income (pre-exceptionals)	10,656.0	14,365.5	17,778.0	20,727.0	Total liabilities	516,989.0	655,048.3	822,815.8	961,300.3
Post-tax exceptionals	0.0	0.0	0.0	0.0	Preferred shares	0.0	0.0	0.0	0.0
Net income	10,656.0	14,365.5	17,778.0	20,727.0	Total common equity	69,408.2	98,788.0	112,302.8	127,932.1
EPS (basic, pre-exception) (Rmb)	0.38	0.40	0.46	0.53	Minority interest	14,124.0	15,536.4	17,090.0	18,799.0
EPS (basic, post-exception) (Rmb)	0.38	0.40	0.46	0.53	Total liabilities & equity	600,521.1	769,372.6	952,208.6	1,108,031.4
EPS (diluted, post-exception) (Rmb)	0.33	0.37	0.46	0.53	BVPS (Rmb)	2.12	2.53	2.87	3.27
DPS (Rmb)	0.06	0.09	0.11	0.13					
Dividend payout ratio (%)	15.2	22.5	24.5	24.5					
Free cash flow yield (%)	--	--	--	--					
Growth & margins (%)	12/14	12/15E	12/16E	12/17E	Ratios	12/14	12/15E	12/16E	12/17E
Sales growth	36.8	33.6	18.5	14.4	CROCI (%)	NM	NM	NM	NM
EBITDA growth	42.9	33.2	23.9	18.1	ROE (%)	19.1	17.1	16.8	17.3
EBIT growth	42.9	33.2	23.9	18.1	ROA (%)	2.1	2.1	2.1	2.0
Net income growth	23.1	34.8	23.8	16.6	ROACE (%)	25.2	20.6	17.8	17.1
EPS growth	13.8	5.0	13.7	16.6	Inventory days	NM	NM	NM	NM
Gross margin	NM	NM	NM	NM	Receivables days	NM	NM	NM	NM
EBITDA margin	70.3	70.1	73.3	75.7	Payable days	NM	NM	NM	NM
EBIT margin	70.3	70.1	73.3	75.7	Net debt/equity (%)	516.8	471.2	514.2	534.3
					Interest cover - EBIT (X)	2.0	2.0	2.0	2.0
Cash flow statement (Rmb mn)	12/14	12/15E	12/16E	12/17E	Valuation	12/14	12/15E	12/16E	12/17E
Net income pre-preferred dividends	10,656.7	14,365.5	17,778.0	20,727.0	P/E (analyst) (X)	NM	6.3	5.6	4.8
D&A add-back	0.0	0.0	0.0	0.0	P/B (X)	NM	1.0	0.9	0.8
Minorities interests add-back	0.0	0.0	0.0	0.0	EV/EBITDA (X)	NM	NM	NM	NM
Net (inc)/dec working capital	0.0	0.0	0.0	0.0	EV/GCI (X)	--	NM	NM	NM
Other operating cash flow	0.0	0.0	0.0	0.0	Dividend yield (%)	NM	3.6	4.4	5.1
Cash flow from operations	--	--	--	--					
Capital expenditures	0.0	0.0	0.0	0.0					
Acquisitions	0.0	0.0	0.0	0.0					
Divestitures	0.0	0.0	0.0	0.0					
Others	0.0	0.0	0.0	0.0					
Cash flow from investments	--	--	--	--					
Dividends paid (common & pref)	0.0	0.0	0.0	0.0					
Inc/(dec) in debt	0.0	0.0	0.0	0.0					
Common stock issuance (repurchase)	0.0	16,151.3	0.0	0.0					
Other financing cash flows	0.0	0.0	0.0	0.0					
Cash flow from financing	--	--	--	--					
Total cash flow	--	--	--	--					

Note: Last actual year may include reported and estimated data.
Source: Company data, Goldman Sachs Research estimates.

Analyst Contributors

Nan Li, CFA

nan.li@ghsl.cn

Yvonne Qian

yvonne.qian@ghsl.cn

Jessica Wu

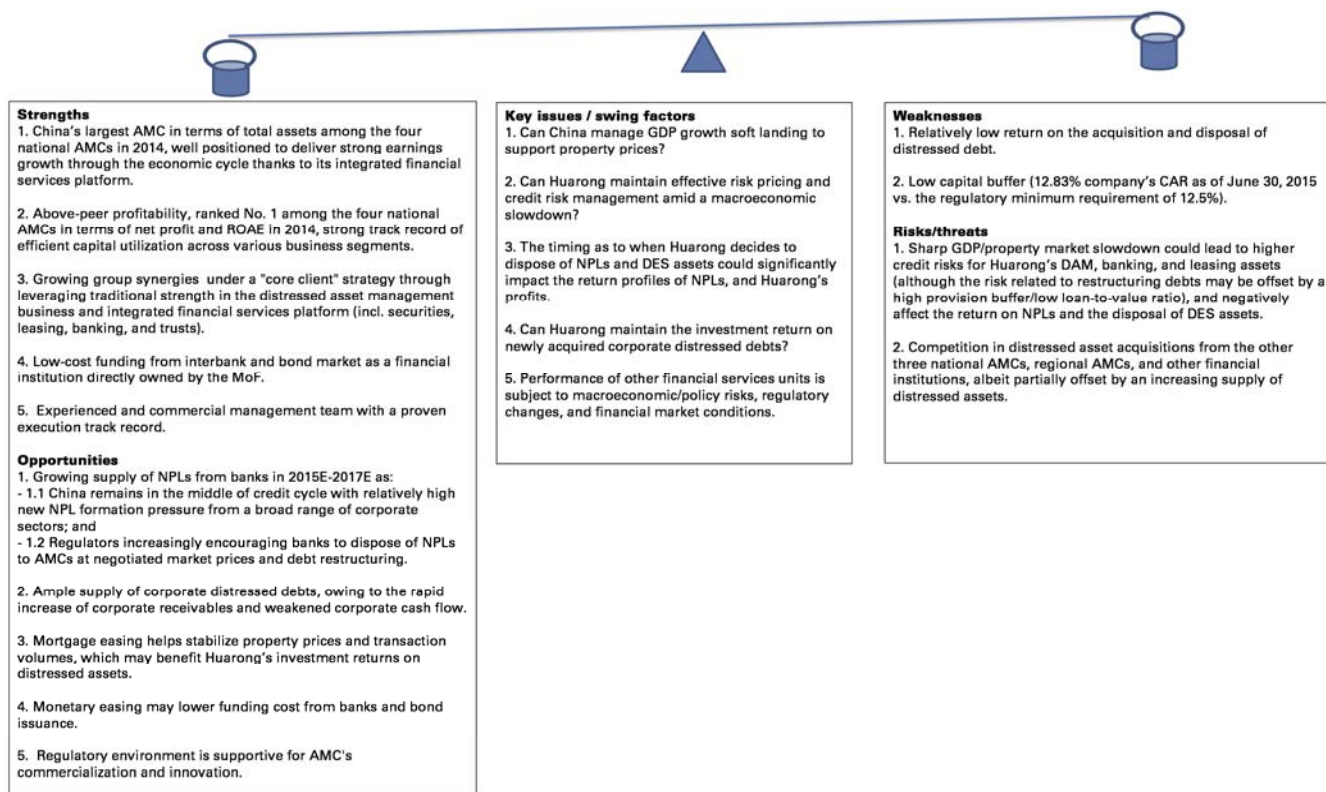
jessica.wu@ghsl.cn

Table of contents

Overview: Leading AMC with an integrated financial platform	5
Company profile: Becoming a leading financial holding company	7
Key strengths: Above-peer ROAE, growth potential of DAM, low cost funding, and group synergies	12
Key risks: Sharp GDP/property market slowdown, competition	19
Financials	21
Valuation methodology	26
Appendix	29
Disclosure Appendix	31

The prices in the body of this report are based on the market close of December 1, 2015, unless otherwise stated.

Exhibit 1: SWOT analysis for Huarong



Source: Company data, Gao Hua Securities Research.

Exhibit 2: One-page summary of Huarong: Strong 35%/24%/17% NPAT growth in 2015E/16E/17E, with 17.1%/16.8%/17.3% ROE

(Rmb mn except mentioned otherwise)	2012	2013	2014	2015E	2016E	2017E		2012	2013	2014	2015E	2016E	2017E
Condensed financials							Growth analysis						
Income from distressed assets mgmt	8,331	15,209	22,214	33,917	41,782	47,980	Revenue	43%	37%	34%	19%	14%	
Investment income (ex DES related)	3,906	4,663	7,092	8,511	9,787	11,255	Net revenue	43%	37%	33%	19%	14%	
Net commission and fee income (ex FA)	3,018	4,191	4,578	5,665	5,882	6,399	PPOP	60%	27%	37%	14%	10%	
Interest income	9,686	10,076	12,048	13,825	16,226	18,705	NPAT	44%	29%	35%	24%	17%	
Other revenue	910	2,853	4,676	5,609	6,366	7,229	Assets	30%	47%	28%	24%	16%	
Net revenue	25,852	36,991	50,608	67,526	80,043	91,569	Liabilities	31%	45%	27%	26%	17%	
Operating expense	(4,861)	(7,017)	(8,469)	(10,528)	(12,598)	(14,310)	DuPont Analysis						
Interest expense	(9,084)	(10,931)	(17,904)	(23,822)	(29,746)	(35,664)	ROE	19.4%	22.7%	19.1%	17.1%	16.8%	17.3%
PPOP	11,907	19,044	24,235	33,175	37,700	41,594	leverage (x)	7.7	8.2	7.4	6.7	6.7	7.0
Impairment charges	(2,323)	(4,850)	(6,226)	(9,162)	(8,177)	(7,282)	= ROA	2.5%	2.8%	2.6%	2.6%	2.5%	2.5%
Operating profit	9,583	14,194	18,009	24,013	29,523	34,312	(As % of average assets)						
Profit before tax	9,109	13,640	16,774	22,665	28,049	32,702	Income from distressed assets mgmt	3.0%	4.2%	4.4%	5.0%	4.9%	4.7%
NPAT	6,986	10,093	13,031	17,566	21,738	25,344	Investment income (ex DES related)	1.4%	1.3%	1.4%	1.2%	1.1%	1.1%
Attributable NPAT	5,892	8,660	10,656	14,366	17,778	20,727	Net commission and fee income (ex FA)	1.1%	1.2%	0.9%	0.8%	0.7%	0.6%
Total assets	315,034	408,367	600,521	769,373	952,209	1,108,031	Interest income	3.5%	2.8%	2.4%	2.0%	1.9%	1.8%
Attributable equity	34,176	41,967	69,408	98,788	112,303	127,932	Other revenue	0.3%	0.8%	0.9%	0.8%	0.7%	0.7%
Distressed asset management							Net revenue	9.3%	10.2%	10.0%	9.9%	9.3%	8.9%
Income from distressed asset mgmt	8,331	15,209	22,214	33,917	41,782	47,980	Operating expense	-1.7%	-1.9%	-1.7%	-1.5%	-1.5%	-1.4%
Distressed debt asset mgmt	4,895	9,427	16,548	24,733	32,882	39,665	Interest expense	-3.3%	-3.0%	-3.5%	-3.5%	-3.5%	-3.5%
- Disposal	250	509	886	1,324	1,641	1,969	PPOP	4.3%	5.3%	4.8%	4.8%	4.4%	4.0%
- Restructuring	4,645	8,918	15,662	23,409	31,241	37,696	Impairment charges	-0.8%	-1.3%	-1.2%	-1.3%	-0.9%	-0.7%
DES mgmt	1,422	3,516	2,711	5,591	4,632	3,876	Operating profit	3.4%	3.9%	3.6%	3.5%	3.4%	3.3%
- Disposal (AFS & interest in associates)	1,160	3,159	2,477	5,358	4,420	3,683	Profit before tax	3.3%	3.8%	3.3%	3.3%	3.3%	3.2%
- Div income	262	357	234	233	212	193	NPAT	2.5%	2.8%	2.6%	2.6%	2.5%	2.5%
FA income from restructuring biz	2,014	2,266	2,955	3,593	4,268	4,439	Balance sheet items (Rmn bn)						
Net value of distressed assets	75,931	114,607	203,965	295,014	387,475	467,071	Distressed assets	76	115	204	295	387	467
Distressed debt assets	54,449	93,020	179,576	272,821	367,279	448,692	Loans and advances to customers	38	48	63	79	95	111
- Disposal	3,126	8,134	22,338	39,905	56,868	73,727	Lease receivables	48	56	64	74	85	98
- Restructuring	51,322	84,886	157,239	232,916	310,411	374,965	Others	153	189	269	321	385	432
Debt/equity swap(DES)	21,483	21,587	24,389	22,194	20,196	18,379	Total assets	315	408	601	769	952	1,108
Return							Interest earning assets	165	200	243	295	358	401
Disposal - return on disposal	26.4%	23.2%	9.9%	9.0%	8.0%	8.0%	Borrowings from central bank	0	0	0	0	0	0
Restructuring - return on period-end avg balance		12.1%	12.0%	12.0%	11.5%	11.0%	Customer deposits	70	88	117	145	174	204
DES - exit multiple	2.9x	5.2x	1.9x	2.6x	2.2x	2.0x	Borrowings	90	136	240	264	311	367
DES - div yld (on avg balance)	1.2%	1.7%	1.0%	1.0%	1.0%	1.0%	Bonds issued	3	18	48	115	184	212
Financial advisory fee rate	4.9%	3.4%	2.3%	2.0%	1.8%	1.6%	Others	109	114	112	130	153	178
Growth rate							Total liabilities	272	356	517	655	823	961
Income from distressed asset mgmt		83%	46%	53%	23%	15%	Interest bearing liabilities	245	313	459	579	726	841
Net value of distressed assets		51%	78%	45%	31%	21%	Equity attributable to equity holders	34	42	69	99	112	128
							Total equity	43	53	84	114	129	147

Source: Company data, Gao Hua Securities Research.

Overview: Leading AMC with an integrated financial platform

Overview

Established in 1999, Huarong is one of China's big-four national asset management companies (the Four AMCs), specializing in non-performing loans (NPLs) – distressed assets management and investment. Huarong completed its joint-stock reform in 2012, and transitioned itself from a policy-driven institution to a commercial entity with its core business focusing on distressed assets management (DAM). It also has a comprehensive financial services platform covering banking, leasing, securities, trust, distressed-assets based investment, and asset management. The Ministry of Finance (MOF) is Huarong's largest shareholder with a 31.68% equity stake. The company is run by an experienced management team, which has a strong track record in execution and product innovation.

Huarong is ranked No. 1 in terms of total assets (US\$94bn, vs. the aggregate assets of the Four AMCs of US\$270bn), net profit (US\$2.0bn, vs. aggregate of US\$6.1bn for the Four AMCs), and ROAE (19%) in 2014 among the four national AMCs (the other three being Cinda, Oriental, and Great Wall). As at December 31, 2014, by the original value of commercial/policy distressed assets acquired by the Four AMCs, Huarong holds a market share of 20.3%/28.8%.

While the current macro backdrop presents certain challenges for AMCs in managing credit risk and return on acquired portfolios, we think the medium-term outlook remains broadly encouraging due to:

- a) Ample new supply of NPLs and distressed assets from banks and non-financial enterprises.
- b) A supportive regulatory environment and still high barriers to entry and concentration despite rising competition from smaller participants.
- c) Policy loosening cycle (recent interest rate and RRR cuts) that helps ease funding costs and asset quality pressure.
- d) Stabilizing property price and transaction volume recovery that helps ease concerns over restructuring loan exposure to property developers as well as NPL disposal return on traditional NPL business.
- e) For Huarong in particular, it has prudently built up a provision buffer over its restructuring debts that could absorb an impairment ratio of more than 14%.

Company strategy: Becoming a leading financial holding company

Huarong aims to become a leading financial holding company built around its DAM business, financial services, and fund/investment management. To achieve this goal, the company plans to leverage its traditional strengths in DAM and adopt a "core client" strategy, which focuses on comprehensive financial solutions to provincial-level governments, large enterprises, and major financial institutions.

Key strengths: Above-peer ROE, growth potential of DAM, low cost funding and group synergies

The company consistently delivered above-peer ROE and earnings growth in 2012-2014, reflecting strong execution, efficient balance sheet utilization and high profitability across segments. While the current macroeconomic backdrop presents certain challenges for AMCs in managing credit risk and returns on distressed debts, we think the medium-term growth potential for the DAM business remains encouraging. Moreover, Huarong's access to low-cost funding could help the acquisition of distressed assets amid the current credit

cycle, support DAM profitability, and provide a buffer against potential asset price/quality risk, in our view. We believe the diversified business platform with growing synergies is a competitive advantage for Huarong in providing flexible NPL solutions and comprehensive products and services throughout the enterprise lifecycle of clients.

Key risks: Sharp GDP/property market slowdown, competition

In our view, a sharp GDP/property market slowdown could increase the credit risk of Huarong's restructuring debts (i.e. debt assets under an "acquisition-and-restructuring" model), banking and leasing assets, and negatively affect the return on disposal debts (i.e. debt assets under an "acquisition-and-disposal" model) and debt-to-equity swap (DES) assets. However, we believe the downside risk is likely to be partially offset by lower funding costs and a still comfortable provision buffer particularly for restructuring debt investment.

Our sensitivity analysis to 2015E earnings (Exhibit 24) suggests:

- A 1ppt change (from 9%) in Huarong's disposal debt business will impact its FY15E earnings by 0.6%.
- A 1ppt change (from 12.0%) in Huarong's return on restructuring debts will impact its FY15E earnings by 8.3%.
- A 20ppt change (from 2.6X) in exit multiple of DES assets will impact Huarong's FY15E earnings by 2.9%.
- A 1ppt change (from 1.9%) in credit costs for restructuring debt portfolio will impact Huarong's FY15E earnings by 9.0%.

Moreover, we expect more competition from the other three national AMCs, local AMCs at the provincial level (15 local AMCs have received CBRC approvals as of July 2015) and other private equity investors. That said, pricing competition in NPL acquisition could moderate in 2015E due to potentially increased supply from banks, in our view. Local AMCs so far have not challenged the national AMCs mainly because: (1) They lack funding and NPL resolution options (e.g. no NPL selling to third parties), (2) they also lack relevant experience in dealing with NPLs, (3) they can only acquire NPLs from respective provinces, and (4) each province is only allowed to set up one local AMC.

Financials

We forecast Huarong's NPAT to grow 35%/24%/17% yoy in 2015E/2016E/2017E, or at 25% FY14-FY17E CAGR, driven by:

- 1) **Strong revenue growth from DAM at 29% CAGR 2014-2017 (vs. 22% CAGR for the group)** on the back of rapid distressed assets growth (49% CAGR for the disposal debts off a low base, and 34% CAGR for restructuring debts) offsetting a gradually lower return (on macro slowdown and competition). We estimate the share of DAM revenue contribution to the group revenue may rise to 52% in FY17E from 44% in FY14.
- 2) **Stable revenue growth of financial services and asset management units** at 15% CAGR (vs. 27% CAGR during 2012-2014) as interest rate cuts and financial market conditions may result in slower growth in the financial services segment including banking, leasing, and securities.
- 3) **Lower impairment charges in 2016E/2017E on restructuring debts.** We expect Huarong's total impairment charges on restructuring debts to peak in 2015E at Rmb6.6bn before declining to Rmb5.7bn and Rmb4.5bn in FY16E and FY17E, as we expect the growth in restructuring debts to gradually slow to a more sustainable level while Huarong maintains its provision/loan ratio stable at c.7.0%, over the same period.

Valuation

We adopt sum-of-the-parts (SOTP) as our primary method to value Huarong so as to capture the differentiated risk/return profiles of its three business segments: (1) distressed asset management, (2) financial services, and (3) asset management and others. Our 12-month target price for Huarong of HK\$4.1 implies 1.3X 2015E P/B. The stock is currently trading at 1.0X 2015E P/B, translating into 34% upside.

Company profile: Becoming a leading financial holding company

Huarong’s evolution in three stages

Huarong’s predecessor, China Huarong Asset management Corporation, was established in 1999 by the mainland China government, along with three other AMCs to take over the NPLs of large state-owned banks. Starting with a single business model engaged in distressed assets investment, Huarong gradually built up a diverse business platform through strategic investment and restructuring through mergers and acquisitions in three stages:

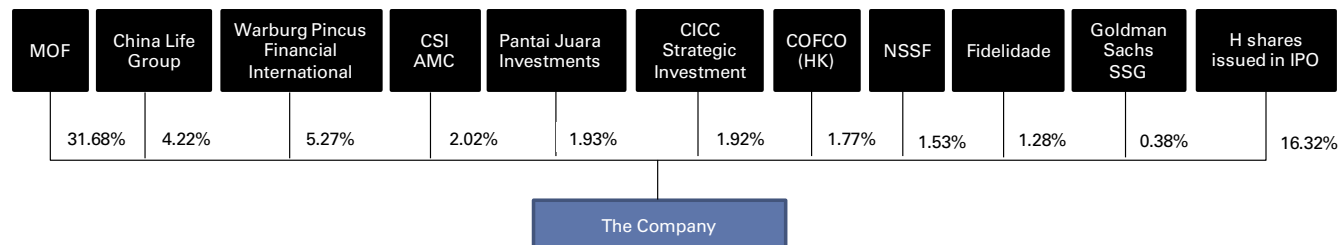
(1) Policy Phase (1999-2006): Huarong’s primary business was to manage and dispose of NPLs acquired from ICBC at 100% face value (Rmb412.8bn in total). In addition, it became the first AMC to dispose of distressed assets through an international bidding process in 2001, and was commissioned by the mainland China government to wind up Delong Group, a large private conglomerate, in 2004.

(2) Transition Phase (2007-2011): Huarong started its transition to commercial operations by acquiring the distressed assets of several banks via commercial methods. During the period, it established financial services subsidiaries including leasing, securities, trust, futures, and banking. In 2010, Huarong became the first AMC to conduct acquisition-and-restructuring business on a large scale, establishing a market-oriented business model.

(3) Commercialization Phase (2012-2015): Huarong completed a joint-stock reform initiative in 2012, introduced eight strategic investors in 2014, and completed an H-share IPO in October 2015. The MOF remains the company’s largest shareholder with a 31.68% equity stake.

Exhibit 3: MOF is Huarong’s largest shareholder, with a 31.68% stake post H-share IPO

Shareholding structure of Huarong post H-share IPO (as of November 2015)



Source: Company data.

Exhibit 4: Established in 1999, to take over NPLs from ICBC, Huarong has gradually transitioned from policy to commercial operations and established a diverse financial platform

Key historical events

I. Policy Phase	1999	Established as one of the Four AMCs as approved by State Council			
	2000	Acquired NPLs of Rmb408 bn from ICBC			
	2001	Became the first financial institution to be entrusted to conduct administrative liquidation of distressed enterprise			
	2003	Launched the first quasi-asset-securitization product that is backed by distressed assets			
	2005	Entrusted by the MOF to dispose Rmb246 bn distressed assets of ICBC			
	2006	Restructured one of the first financial leasing companies in China and renamed it as Huarong Financial Leasing	Established Huarong Rongde with foreign investors to do distressed asset-based special situations investment business	Completed the target set by the MOF for the recovery of Policy Distressed Assets	
II. Transition Phase	2007	Established Huarong Securities			
	2008	Restructured Xinjiang International Trust & Investment Co., Ltd., and established Huarong Trust			
	2009	Commenced commercial transition and "core client" strategy	Restructured Zhuhai Hengqin Xindong Real Estate Development Company and established Huarong Real Estate		
	2010	Became the first AMC to conduct acquisition and-restructuring business on a large scale	Restructured several commercial banks and a urban credit cooperative in Hunan Province, and merged them into Huarong Xiangjiang Bank		
III. Commercialization Phase	2012	Completed the joint-stock reform and incorporated China Huarong, commencing commercialized operation	Obtained approval to participate in the interbank market and issue financial bonds		
	2013	Established Huarong International as overseas strategic platform			
	2014	Introduced Rmb14.5 bn worth of investment from eight strategic investors			

Source: Company data.

Huarong's current business is grouped into three key segments

(1) Distressed asset management

This is Huarong's core business and primary source of earnings, which contributed 56% of the group's income and pretax profit in 2014. This segment consists of: (1) distressed debt asset management acquired from financial institutions and non-financial enterprises, (2) DES asset management, (3) custody and agency services for distressed assets, and (4) distressed assets-based special situations investments and property development. For different types of distressed assets, Huarong adopts diverse and customized resolution models to realize profit, as illustrated in Exhibit 6. The acquisition-and-restructuring model (restructuring debts) generated the largest share of segment revenue (65%) in 2014.

(2) Financial services

This is the second largest segment including banking, leasing, and securities businesses, which contributed 35%/33% of the group's revenue/pretax profit in 2014. Through liquidation and restructuring of distressed entities, Huarong has acquired financial licenses that would otherwise be difficult to obtain, and developed them into profitable business lines. This ensures that Huarong is able to provide a variety of financial products and services to meet client needs throughout their business lifecycles.

(3) Asset management and investment

The unit is an extension of Huarong's DAM business, providing a diverse funding source and flexible solutions, leveraging third-party and capital-light business models. The segment contributed 10%/11% of the group's income/pretax profit in 2014.

Exhibit 5: Huarong operates three key business segments: (1) distressed assets management, (2) financial services, and (3) asset management and investment

Huarong's business scope, P&L and balance sheet breakdown by segment

China Huarong Asset Management Co., Ltd. (The Company)										
Business segment	1. Distressed Asset Management			2. Financial Services				3. Asset management and investment		
Business Lines	1.1 Distressed debt asset mgmt 1.2 DES assets mgmt; 1.3 Custody and agency services for distressed assets 1.4 Distressed asset-based situations investments 1.5 Distressed asset-based property development			2.1 Securities and futures 2.2 Financial leasing 2.3 Banking				3.1 Asset mgmt 3.2 Financial investment 3.3 International business 3.4 Other business		
Operating Entities	The Company	Huarong Rongde	Huarong Real Estate	Huarong Securities	Huarong Futures	Huarong Financial Leasing	Huarong Xiangjiaing Bank	The Company	Huarong Trust	Huarong International
% owned by the Group	100.00%	59.30%	100.00%	81.56%	75.44%	79.92%	50.98%	100.00%	98.09%	100.00%
Segmental financials in FY2014 (In millions of Rmb)										
- Revenue	28,647			3,800		5,219		8,897		5,050
- as % of total	56%			7%		10%		17%		10%
- PBT	9,340			1,146		1,720		2,658		1,910
- as % of total	56%			7%		10%		16%		11%
- Assets	283,339			43,041		72,099		165,326		42,101
- as % of total	47%			7%		12%		28%		7%
- Net assets	47,115			7,303		7,330		11,091		10,815
- as % of total	56%			9%		9%		13%		13%
- Pretax ROAE	26.3%			18.1%		25.2%		25.9%		20.6%

Source: Company data.

Exhibit 6: Huarong adopts diverse and customized resolution models for different types of distressed assets; the acquisition-and-restructuring model generated the largest share of segment revenue (65%) in 2014

Distressed Asset Management (DAM)					
	Acquisition-and-disposal model	Acquisition-and-restructuring model	DES assets management	Distressed asset-based situations investments	Distressed asset-based property development
Primary source of distressed assets	NPL packages from banks	Receivables from NFEs and other distressed debts from FIs	Converted from distressed debt assets of SOEs	Assets with appreciation potential and enterprises with ST liquidity issues	Property projects acquired in the course of distressed asset management
Business model	Acquire NPLs at a discount; enhance/realize values through debt restructurings, litigations and sales etc.	Enter into agreements with creditor, debtor and related parties to re-schedule repayment, guarantee arrangements and collaterals etc.	Enhance value through providing financing, restructuring, and M&A etc.; exit through sales to controlling shareholders, equity exchanges, and secondary market sales	Invest through debt, equity or mezzanine instruments; exit through debt collection, share transfers/repurchases, listing and M&A	Real estate financing (provided by parent company & financial subsidiaries) <=> property development and management (provided by Huarong Real Estate)
Primary source of revenue	Realized gains upon disposal, and unrealized gains from fair value movements	Debt repayment, and financial advisory fee	Realized gains upon disposal/equity exchange, and dividend income	Investment income, financial advisory fee	Project sales
Key growth drivers	Amount of NPLs disposed, disposal return	Balance of restructuring debt, average yield	Amount of DES assets disposed, exit multiple	Principle investment return, third party AUM	Property sales volume & price
As % of segment revenue (2014)	3%	65%	9%	9%	9%

Source: Company data.

Peer comparison: Stronger profitability, larger credit exposure but with a higher provision buffer

We identify Cinda as Huarong's closest comparable. Cinda currently maintains a leading position in the DAM business in terms of scale and asset returns, although Huarong delivered higher group ROE due to better capital utilization and profitability in its non-DAM businesses. Huarong has a more diverse revenue mix than Cinda with better cost efficiency. In our view, Huarong is more exposed to credit risks than Cinda on its restructuring debts, leasing, and banking assets. Nevertheless, the risks are partially offset by higher collaterals and provision buffer of Huarong's restructuring debt portfolio.

We think Huarong is likely to focus more on asset/profit growth over the next few years while Cinda seems to be taking a more cautious stance evidenced by a notable slowdown in restructuring debt growth in 2H14. Looking ahead, we forecast 23% total assets CAGR in 2014-2017E at Huarong vs. 16% at Cinda. We estimate NPAT to grow at 25% CAGR for Huarong vs. 15% for Cinda in 2014-2017E.

Compared with Cinda, Huarong exhibits the following key differences:

- (1) Higher ROE due to higher balance sheet leverage in financial services & investment business; ROA is comparable.
- (2) More exposure to restructuring debt/property, although with higher provision coverage.
- (3) Smaller traditional NPL business with lower returns.
- (4) Higher percentage of listed firms in DES portfolio, lower exposure to cyclical industries.
- (5) Balanced revenue stream across segments, better profitability in leasing and trust, weaker in securities.
- (6) Better operating efficiency due to lower CIR in non-DAM businesses.
- (7) Similar credit cost but driven more by restructuring debts for Huarong.

Exhibit 7 summarizes the key statistics of Huarong and Cinda in terms of risk, profitability, and growth; while Exhibits 8-10 illustrate these aspects in more detail.

Exhibit 7: Huarong has higher profitability and growth than Cinda, but also higher risk, in our view

In 2014, unless stated otherwise

	Huarong	Cinda	Comments/Details
1. Risks	Higher	Lower	
1.1 Credit exposure	Rmb 298 bn, including restructuring debts, lease receivables and bank loans	Rmb 249 bn, including restructuring debts, lease resembles and other customer advances	Huarong's restructuring debts are more concentrated on real estate sector but with more collaterals
1.2 Impairment/overdue ratio (on restructuring debts)	Impairment: 1.6% Overdue ratio: 3.0%	Impairment: 1.2% Overdue ratio: 2.7%	We expect impairment ratio to go up to 2.0%/2.0% for Huarong/Cinda at YE17E
1.3 Provisions coverage	Restructuring debts: 6.8% Total credit exposure: 4.6%	Restructuring debts: 3.2% Total credit exposure: 2.9%	We expect Huarong to maintain stable provision ratio of c.7.0% over restructuring debts in 2015E-17E
1.4 Capital adequacy (at company level)	YE 2014: 13.6% YE 2015E: 15.1%	YE 2014: 18.1% YE 2015E: 17.0%	Regulatory minimum is 12.5%
1.5 Leverage (assets/common equities)	Group: 8.7x DAM: 6.4x Non-DAM: 12.5x	Group: 5.8x DAM: 6.2x Non-DAM: 5.4x	Huarong's higher leverage primarily comes from financial services & asset management
2. Profitability	Higher	Lower	
2.1 Group	Avg 2012-14 ROE: 20.4% Avg 2012-14 ROA: 2.6%	Avg 2012-14 ROE: 14.5% Avg 2012-14 ROA: 2.9%	
2.2 DAM	Avg 2012-14 pre-tax ROE: 31.4%	Avg 2012-14 pre-tax ROE: 27.5%	
2.3 Financial services	Avg 2012-14 pre-tax ROE: 22.3%	Avg 2012-14 pre-tax ROE: 5.1%	
2.4 Asset management and investment	Avg 2012-14 pre-tax ROE: 21.5%	Avg 2012-14 pre-tax ROE: 13.4%	
3. Growth	Higher	Lower	
3.1 Group NPAT CAGR	2012-14: 37% 2014-17E: 25%	2012-14: 30% 2014-17E: 15%	
3.2 Distressed assets CAGR	2012-14: 64% 2014-17E: 32%	2012-14: 53% 2014-17E: 13%	Cinda focused more on traditional debts while slowing the growth of restructuring debts since 2H14

Source: Company data (2012-2014), Annual report of Cinda, Gao Hua Securities Research (2015E-2017E).

Exhibit 8: Compared to Cinda 1 – Huarong has: (a) higher ROE on higher leverage, (b) smaller size of distressed assets management segment, and (c) a more diverse revenue stream in the financial services segment (2014)

(Rmb mn, except otherwise stated)	Huarong	Cinda	Huarong vs. Cinda
Group			
Revenue	51,061	59,790	85%
Attributable NPAT	10,656	11,896	90%
Total assets	600,521	544,427	110%
Total equities	83,532	93,369	
Common equities	69,408	93,369	74%
ROAA	2.6%	2.6%	
ROAE	19.1%	14.0%	
Leverage (ROAE/ROAA)	7.4x	5.4x	
Leverage (ending total assets/total equities)	7.2x	5.8x	
Distressed asset management (DAM)			
Net balance			
Disposal/traditional debts	22,338	42,302	53%
% yoy	175%	158%	
Restructuring debts	157,239	162,109	97%
% yoy	85%	65%	
DES assets	24,389	41,564	59%
Unlisted	11,737	32,652	36%
Listed	12,652	8,912	142%
Income			
Disposal/traditional debts	886	4,077	22%
Restructuring debts	15,662	18,114	86%
DES assets	2,711	4,488	60%
Return			
IRR of disposal/traditional debts	16.0%	18.6%	
Memo: realized return during the year	10%	58%	
Yield on restructuring debts	13.1%	13.9%	
Exit multiple on DES assets	1.9x	2.1x	
Others			
Total distressed assets	203,965	245,975	83%
As % of Group assets	34%	45%	
Segment assets	283,339	320,974	88%

Note: "Others" include intra-segment eliminations.

Source: Company data, Annual reports of Huarong Trust and Cinda.

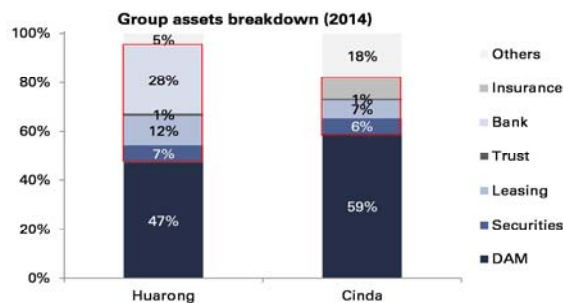
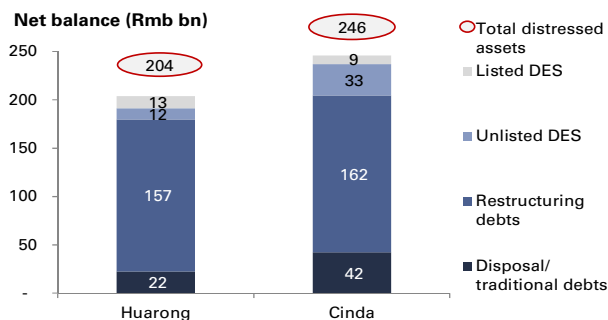
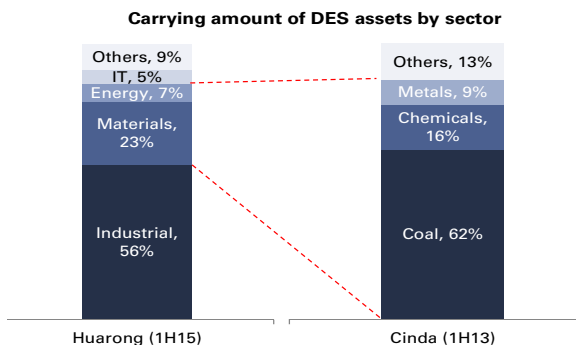
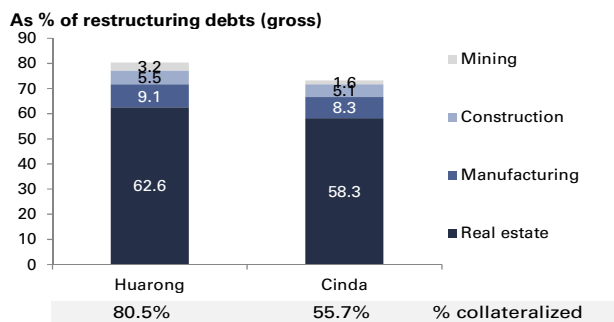


Exhibit 9: Compared to Cinda 2 – in distressed assets management business, Huarong demonstrates: (a) smaller net balance, higher turnaround, and lower margin in disposal/traditional debts, (b) increased property exposure but with more collateral in restructuring debts, and (c) higher % of listed assets and lower exposure to cyclical sectors in DES assets (2014)



(Rmb mn, except otherwise stated)	Huarong	Cinda
Income		
Disposal/traditional debts	886	4,077
Restructuring debts	15,662	18,114
DES assets	2,711	4,488
Return		
IRR of disposal/traditional debts	16.0%	18.6%
Memo: realized return during the year	10%	58%
Yield on restructuring debts	13.1%	13.9%
Exit multiple on DES assets	1.9x	2.1x

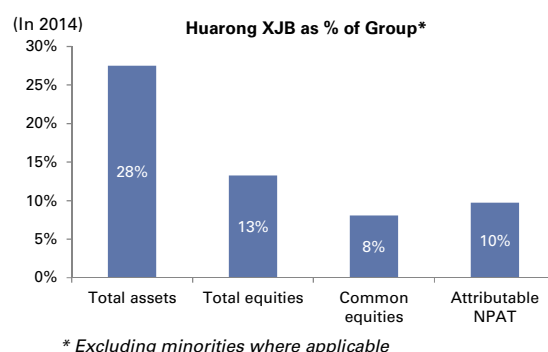
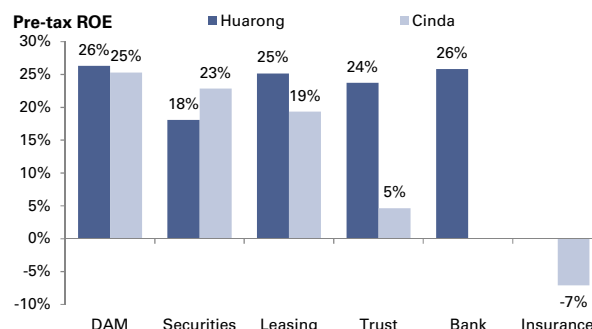


Source: Company data, Annual report of Cinda.

Exhibit 10: Compared to Cinda 3 – in financial services: (a) Huarong is stronger in leasing and trust, weaker in securities in terms of profitability in 2014¹, and (b) banking business (50.98%-owned by Huarong) accounts for 28% of total assets, 8% of common equity, and 10% of attributable NPAT (2014)

Rmb mn, unless otherwise stated

(Rmb mn, except otherwise stated)	Huarong	Cinda	Huarong vs. Cinda
Subsidiaries			
Securities			
% owned by the Group	81.56%	99.33%	
Commission	1,048	1,207	87%
PBT	1,146	1,580	73%
Total assets	43,041	34,869	123%
Net assets	7,303	7,563	97%
Pre-tax ROAE	18.1%	22.8%	
Trust			
% owned by the Group	98.09%	92.29%	
AUM	145,002	88,523	164%
Avg commission rate	1.2%	0.6%	
PBT	976	152	643%
Total assets	5,443	3,616	151%
Net assets	4,962	3,303	150%
Pre-tax ROAE	23.7%	4.6%	
Leasing			
% owned by the Group	79.92%	99.91%	
Lease receivables	63,494	37,020	172%
PBT	1,720	799	215%
Total assets	72,099	40,213	179%
Net assets	7,330	5,446	135%
Pre-tax ROAE	25.2%	19.4%	
Bank			
% owned by the Group	50.98%		
PBT	2,658		
Attributable NPAT	2,037		
Total assets	165,326		
Net assets	11,090.9		
Pre-tax ROAE	25.9%		



Source: Company data, Annual reports of Huarong Trust, Huarong Xiangjiang Bank (XJB), and Cinda.

Key strengths: Above-peer ROAE, growth potential of DAM, low cost funding, and group synergies

Huarong achieved **above-peer profit growth and ROAE** in 2012-2014, reflecting its strong execution capability in delivering efficient capital utilization and high profitability across segments. While the current macroeconomic backdrop presents certain challenges for AMCs in managing the credit risk and the returns on distressed debt, we think the medium-term **growth potential of the DAM business** remains encouraging. Moreover, Huarong's **access to low cost funding** could help the acquisition of distressed assets amid the current credit cycle, support DAM profitability and provide a buffer against potential asset price/quality risk. Further, we believe a **diverse business platform with growing synergies** is a competitive advantage for Huarong in providing flexible NPL solutions and comprehensive products and services throughout the enterprise lifecycle of clients.

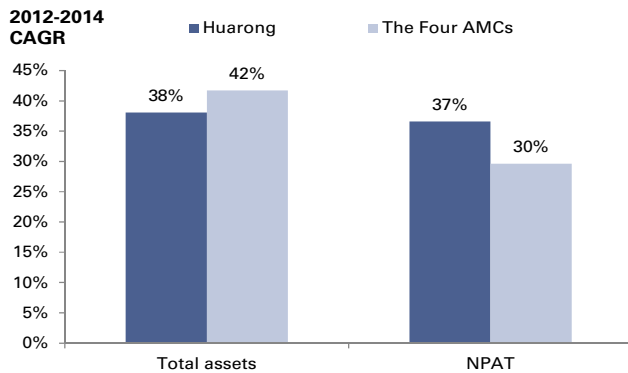
1. Above-peer profit growth and ROAE in 2012-2014 on strong execution, efficient capital utilization and high profitability across segments

Huarong achieved **above-peer NPAT growth of 37% CAGR in 2012-2014** (vs. an average of 30% for the Four AMCs, Exhibit 11), with DAM, banking, and securities business being the three main drivers (Exhibit 12).

¹ In 1H15, Huarong delivered higher pre-tax ROAE in securities and futures business than Cinda.

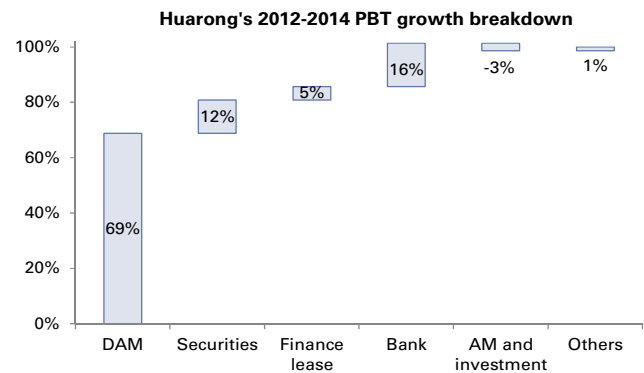
In terms of profitability, **Huarong has consistently delivered higher ROAE than its closest comparable, Cinda²** (Exhibit 13), on the back of: (a) Higher balance sheet leverage, (b) greater profitability in non-DAM business, and (c) fewer impairment charges on listed DES assets; reflecting the company's ability to execute in terms of delivering efficient capital utilization and high profitability across the group (especially in subsidiaries under the financial services segments), in our view (Exhibits 14-16). **We believe Huarong should be able to maintain its ROAE advantage over its peers during 2015E-2017E should there be no material credit losses on its restructuring debts, bank loans, and/or lease receivables.**

Exhibit 11: Huarong achieved above-peer net profit growth during 2012-2014...



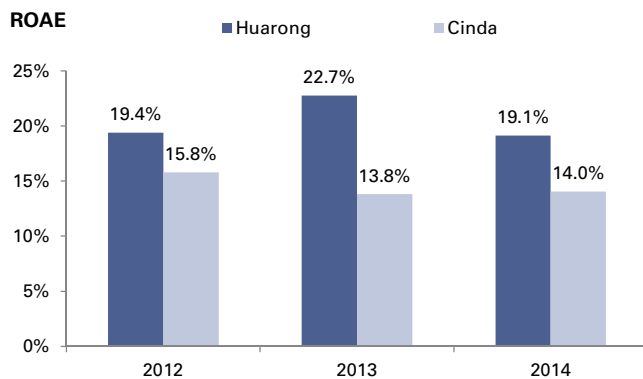
Source: Company data.

Exhibit 12: ...driven by strong growth in distressed assets management, banking, and securities business



Source: Company data.

Exhibit 13: Huarong has consistently delivered higher ROAE than its closet comparable, Cinda...



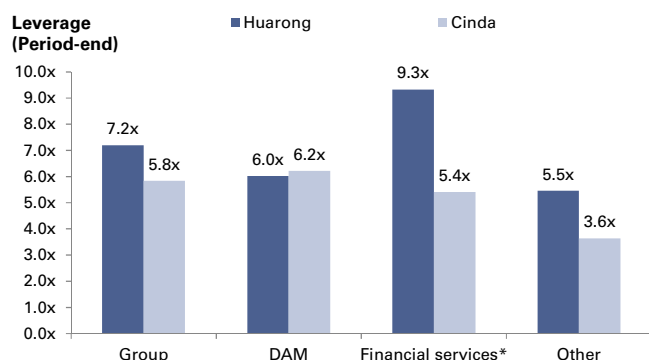
Source: Company data, Annual report of Cinda.

Exhibit 14: ...as a result of higher balance sheet leverage, greater operating efficiency in business apart from DAM, and fewer impairment charges on listed DES assets

	Huarong			Cinda
	2012	2013	2014	2014
ROE	19.4%	22.7%	19.1%	14.0%
leverage (x)	7.7	8.2	7.4	5.4
= ROA	2.5%	2.8%	2.6%	2.6%
<i>(As % of average assets)</i>				
Income from distressed assets mgmt	3.0%	4.2%	4.4%	5.8%
Investment income (ex DES related)	1.4%	1.3%	1.4%	1.0%
Net commission and fee income	1.1%	1.2%	0.9%	0.4%
Interest income	3.5%	2.8%	2.4%	1.9%
Other revenue	0.3%	0.8%	0.9%	1.5%
Net revenue	9.3%	10.2%	10.0%	10.6%
Operating expense	-1.7%	-1.9%	-1.7%	-2.1%
Interest expense	-3.3%	-3.0%	-3.5%	-3.4%
PPOP	4.3%	5.3%	4.8%	5.0%
Impairment charges	-0.8%	-1.3%	-1.2%	-1.2%
Operating profit	3.4%	3.9%	3.6%	3.8%
Profit before tax	3.3%	3.8%	3.3%	3.5%
NPAT	2.5%	2.8%	2.6%	2.6%
<i>Cost-to-income ratio (Group)</i>	<i>29%</i>	<i>26%</i>	<i>25%</i>	<i>30%</i>
<i>Cost-to-income ratio (DAM only)</i>	<i>19%</i>	<i>17%</i>	<i>18%</i>	<i>16%</i>

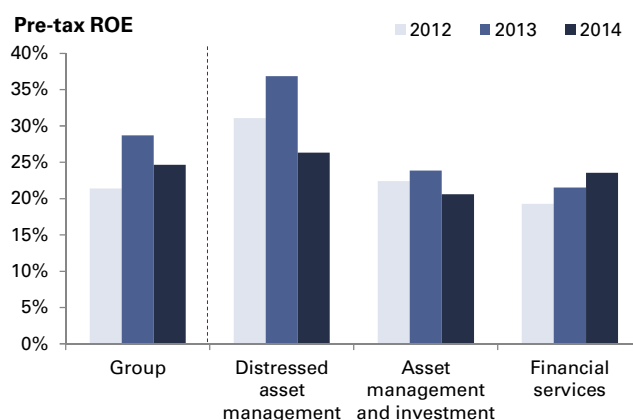
Source: Company data, Annual report of Cinda.

²The other two AMCs (Orient and Great Wall) have not completed joint-stock reform and only report the financial operating results of their commercial (profitable) operations. Therefore, the ROAEs of these two are not fully comparable with Cinda's and Huarong's.

Exhibit 15: ...reflecting the company's execution capability in delivering efficient capital utilization...

*We re-group Huarong's trust business into the financial services segment for a like-for-like comparison.

Source: Company data, Annual reports of Huarong Trust and Cinda.

Exhibit 16: ...and high profitability across segments

Source: Company data.

2. Decent growth potential of its core distressed debt investment business, despite a gradual decline in returns

We see an encouraging outlook for Huarong's core distressed debt investment growth over the medium term on the back of an ample supply of bank NPLs and special-mention loans and distressed corporate debts, stemming from: (a) A protracted credit cycle as mainland China's economy slows down while many structural over-capacity issues remain, in our view; (b) an increasingly supportive regulatory environment for banks to dispose of NPLs; (c) liquidity stress at corporates as evidenced by the still declining EBIT/interest coverage ratio and growing account receivables at industrial companies in 1H15 as per the National Bureau of Statistics (NBS) data; and (d) potential supply from trust products with duration mismatch issues.

Indeed, **the current macroeconomic slowdown presents challenges for AMCs in managing credit risk and return on acquired distressed assets**, which is factored into our forecasts. However, given proper risk pricing and management are in place, **we think the downside risks are contained by:**

- The current policy loosening cycle (recent interest rate and RRR cuts) that lowers the funding cost and maintains the net interest margin of AMCs, which helps stabilize corporate solvency.
- The residential property average selling price (ASP) grew at a CAGR of 10% between 2006 and June 2015. The ASP recovered by 14% in June 2015 from its low in June 2014, according to the NBS. Residential property sales grew 12.9% yoy in June 2015. Much of Huarong's distressed debt is directly exposed to the real estate sector with property and land as collateral and, therefore, a stable property market in terms of transaction volume and ASP is important in managing the credit risk and return.
- Huarong has been prudent in that it has built up a buffer over its restructured debts to absorb an impairment ratio of more than 14% assuming a loss given default ratio of 50% (given 34.2% LTV ratio by 1H15).

3. Low cost funding to support DAM profitability and provide a buffer against potential asset price/quality risk

As a financial institution directly under the MOF, Huarong is able to tap the interbank and bond market for low-cost funding. The aggregate amount of credit lines the company obtained from banks amounted to Rmb458.9bn as at the end of 1H15 (vs. actual drawdown of Rmb155.7bn).

Huarong's average funding cost was at 3.9%/4.6% in 2013/2014, or 4.6%/5.5% excluding customer deposits at Huarong Xiangjiang Bank, based on our calculation (Exhibit 17). Financial bonds issued by Huarong in the domestic market were priced at a 105bp-133bp spread over government bonds, with a blended cost of 4.55% (Exhibit 20). These represent **a clear advantage over other distressed assets investors/non-bank lenders**. For example, funding costs for trusts and P2P lenders generally range from 8% to 20%+ (Exhibit 19).

Such funding strength lays a firm foundation for Huarong's DAM development given the capital-intensive nature of the business, in our view. Specifically, it enables Huarong to:

- Fully explore the opportunity of increasing NPLs supply from banks during the current credit cycle and to better withstand the pressure on disposal returns given the relatively low opportunity cost of holding acquired assets for a longer period.
- Provide relatively affordable debt restructuring terms to enterprises with liquidity issues but not too high credit risk, such as residential property projects closing at the presale stage.
- Prudently build up provisions on restructuring debts while still delivering reasonable ROE of around 20% (Exhibit 21).

In addition, access to the bond market for longer maturity funding helped Huarong offset the duration mismatch of assets and liabilities – it extended the weighted average maturity of debt financing from 22.9 months in 2012 to 31.0 months in 1H15.

We expect Huarong to maintain funding costs at an average 4.6% in 2015E-2017E, given: (a) The majority of Huarong's interest-bearing liabilities (IBLs) already come from commercialized funding channels – the outstanding amount payable to the MOF (2.25% annual cost) was only Rmb11.4bn, or 2.5% of Huarong's total IBLs at the end of 2014; (b) proportionally more borrowings through bond issuances/bank loans undertaken by the parent company to develop its DAM business that comes at a lower cost (vs. borrowings done by financial subsidiaries such as finance leases); and (c) potentially lower interbank rates for longer on ongoing monetary loosening by the PBOC to accommodate the slowdown in economic growth.

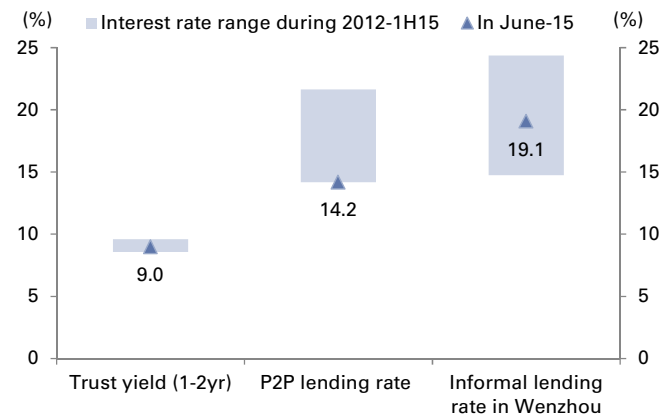


Exhibit 17: Huarong’s average funding cost was 3.9%/4.6% in 2013/2014 by our calculation; we expect it to see stable (low) funding cost in 2015E-2017E...

	2013	2014	2015E	2016E	2017E
Average funding cost	3.9%	4.6%	4.6%	4.6%	4.6%
Borrowings	5.5%	6.6%	6.3%	6.2%	6.2%
Bonds issued	3.5%	3.4%	4.1%	4.5%	4.5%
Repo	3.8%	3.4%	3.4%	3.4%	3.4%
Deposits from FIs	4.3%	3.6%	3.3%	3.3%	3.3%
Amount due to the MOF	2.0%	2.1%	2.1%	2.1%	2.1%
Interbank borrowings	5.1%	4.6%	4.4%	4.5%	4.5%
PBOC loans	3.5%	3.1%	3.0%	3.0%	3.0%
Customer deposits	2.1%	2.3%	2.2%	2.1%	2.0%
IBLs excl customer deposits	4.6%	5.5%	5.4%	5.4%	5.4%
(Borrowings + bonds) as % total IBLs	49.2%	62.8%	65.5%	68.3%	68.9%
(Borrowings + bonds) as % total IBLs excl customer deposits	68.4%	84.3%	87.4%	89.9%	90.9%

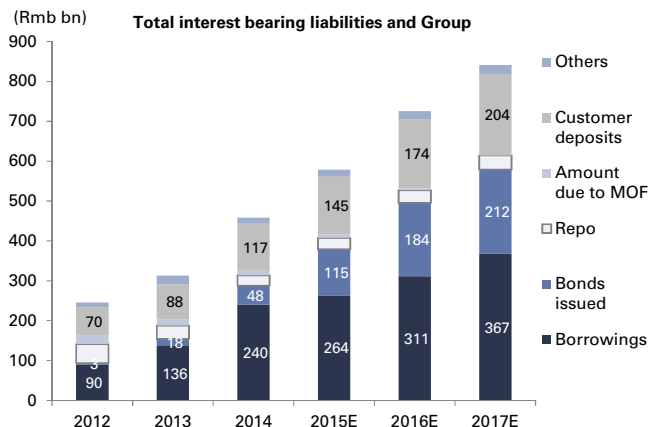
Source: Company data (2012-2014), Gao Hua Securities Research (2015E-2017E).

Exhibit 19: Huarong has a clear funding advantage over other distressed asset investors/non-bank lenders
Funding cost through trust, P2P platform and other informal lending channels



Source: Wind.

Exhibit 18: ...given already well commercialized funding channels, proportionally more low cost bond issuance/ bank borrowings done by the parent company, and monetary loosening



Source: Company data (2012-2014), Gao Hua Securities Research (2015E-2017E).

Exhibit 20: Financial bonds issued by Huarong in domestic market were priced at 105bp-133bp spread over government bonds, with a blended cost of 4.55%
List of financial bonds issued by Huarong

Date of issuance	Amount (Rmb bn)	Maturity (year)	Coupon rate (%)	Spread over government bond
11/21/2013	6.0	5	5.66	1.17pp
11/21/2013	6.0	3	5.55	1.10pp
12/2/2014	10.0	5	4.80	1.33pp
12/2/2014	10.0	3	4.60	1.31pp
7/30/2015	17.5	5	4.21	1.05pp
7/30/2015	17.5	3	4.01	1.14pp
Aggregate	67.0		4.55	

Source: Wind.

Exhibit 21: The funding strength enables Huarong to provide relatively affordable restructuring terms (around 12% cost) to distressed enterprises and prudently book provisions, while still delivering reasonable ROE of 17%-22%, in our view

ROE sensitivity to funding cost in restructuring business						
ROE	21.9%	17.0%	12.1%	7.1%	2.2%	-2.7%
Leverage (x)	8	8	8	8	8	8
ROA	2.7%	2.1%	1.5%	0.9%	0.3%	-0.3%
<i>(As % of average assets)</i>						
Asset yield	12.0%	12.0%	12.0%	12.0%	12.0%	12.0%
Funding cost	4.5%	5.5%	6.5%	7.5%	8.5%	9.5%
NII	7.5%	6.5%	5.5%	4.5%	3.5%	2.5%
Opex	-1.4%	-1.2%	-1.0%	-0.8%	-0.6%	-0.5%
PPOP	6.2%	5.3%	4.5%	3.7%	2.9%	2.1%
Provision	-2.5%	-2.5%	-2.5%	-2.5%	-2.5%	-2.5%
PBT	3.7%	2.8%	2.0%	1.2%	0.4%	-0.4%
NPAT	2.7%	2.1%	1.5%	0.9%	0.3%	-0.3%
<i>Cost-to-income ratio</i>	<i>18%</i>	<i>18%</i>	<i>18%</i>	<i>18%</i>	<i>18%</i>	<i>18%</i>
<i>Provision as % of NIM</i>	<i>33%</i>	<i>38%</i>	<i>45%</i>	<i>56%</i>	<i>71%</i>	<i>100%</i>

Note: Figures shown above are for illustrative purposes only. The two columns on the left correspond to Huarong's funding cost level, while the two columns on the right correspond to Trust funding cost level.

Source: Gao Hua Securities Research.

4. Integrated platform with growing synergies among three segments

We believe Huarong is well-positioned to create significant cross-selling and revenue opportunities given its strategic focus on intra-group cooperation, comprehensive product offering, and strong record of management execution. Group synergy is an important competitive advantage for Huarong given most financial services and asset management units are relatively small compared with the industry leaders in their respective fields.

Huarong adopts a "core client" strategy which focuses on in-depth coverage for large clients. As of June 30, 2015, the group signed 18 strategic cooperation agreements with 15 provincial level governments and cooperation agreements with 84 leading financial institutions and 89 large-scale enterprises. By concentrating on large clients, Huarong not only lowers its customer acquisition costs, but also better integrates its national network of 31 regional branches with eight financial services and asset management subsidiaries to offer one-stop services.

Between 2012 and 1H15, intra-group cooperation generated a total of Rmb196bn in project investments and income of Rmb23.4bn, which represented 15% of accumulated revenue during the period. The subsidiaries that have contributed the largest investments are Huarong Trust, Huarong Financial Leasing, and Huarong Securities. The subsidiaries that have achieved the largest accumulated income are Huarong Trust, Huarong Financial Leasing, and Huarong Rongde.

We assess the potential synergies among Huarong’s three key business segments below:

- **There could be significant synergies between Segment 1 and Segment 3**

We think the asset management and investment business is a natural extension of Huarong’s DAM segment, adding a “capital-light” business model to the group. Segment 3 may provide flexible funding sources and NPL solutions. Furthermore, it can also leverage client resources, professional expertise, risk control capacities, and project resources derived from distressed assets management business.

- **There could be modest synergies between Segment 1 and 2**

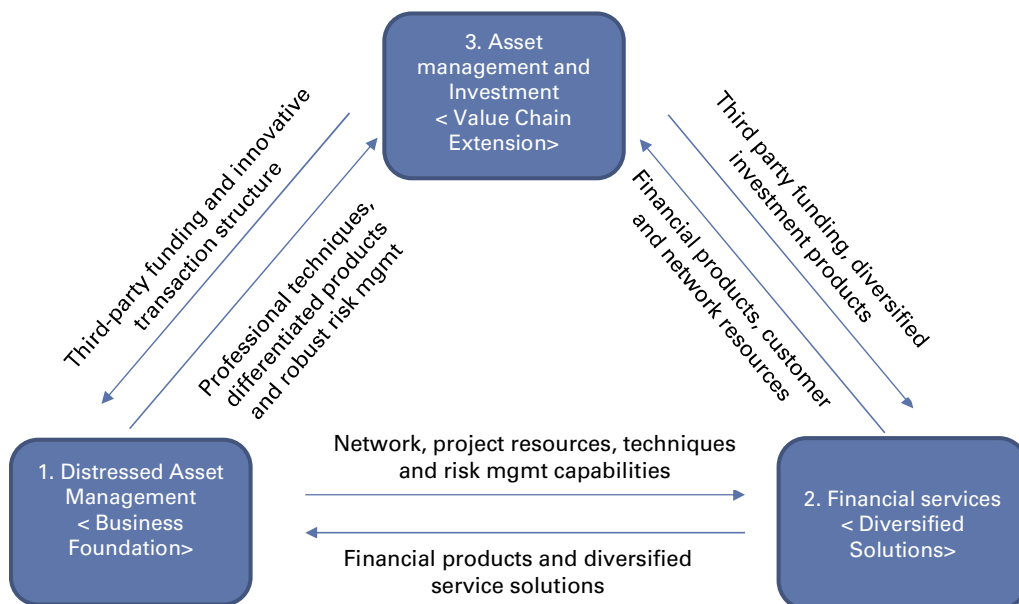
In our view, Huarong’s strong franchise in the DAM business can offer a valuable client base and network for financial services units, which would not be easily accessible for standalone financial firms that don’t have the scale of industry leaders.

On the other hand, securities business under Segment 2 can help with equity and bond offering of DES assets, and provide financial advisory services to DES projects.

- **There could be modest synergies between Segment 2 and 3**

We think Huarong’s financial services platform can offer a product and client base to Segment 3. However, the asset management unit may provide more flexible financing solutions to Huarong Bank’s customers including third-party funds and trust financing services.

Exhibit 22: Huarong’s three key segments operate synergistically with one another
Illustration of group synergies



Source: Company data.

Key risks: Sharp GDP/property market slowdown, competition

We believe a sharp GDP/property market slowdown and increasing competition from other AMCs are the two key risks for Huarong.

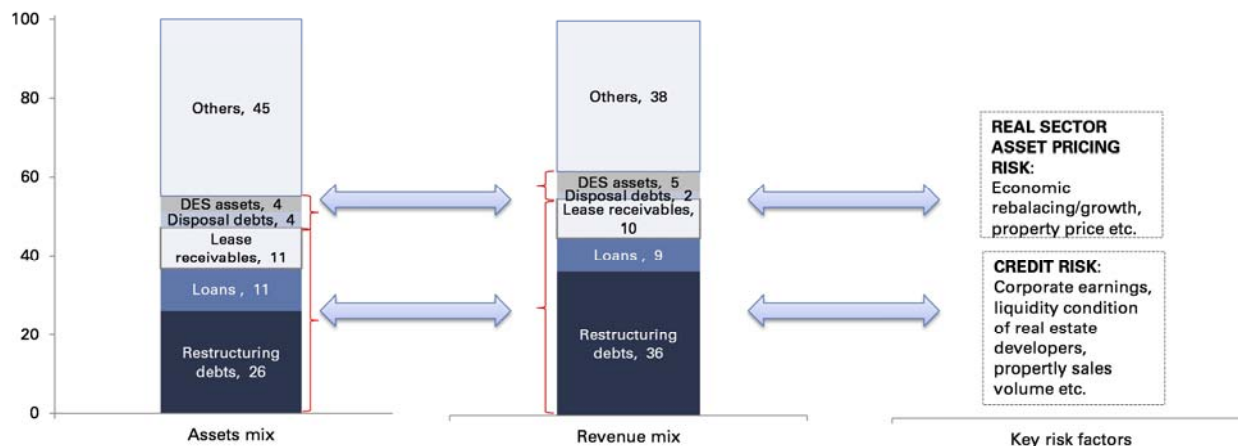
The former could lead to: (a) Higher credit risks of Huarong’s restructuring debts, banking and leasing assets (partly offset by a high provision ratio and low LTV ratio), and (b) increasing difficulties/lower profitability during the disposal of NPLs and DES assets. The latter may raise the acquisition cost of NPLs and competition for restructuring debts in selective provinces, although we believe pricing competition may become less of a concern on rising NPL supply and that Huarong (and the other three national AMCs) still possess distinct advantages over local AMCs.

1. A sharp GDP/property market slowdown may increase the credit risk of Huarong’s restructuring debts, banking and leasing assets, and negatively affect the return on disposal debts/DES assets

While the DAM business adds some defensive feature to Huarong’s earnings, a meaningful part of Huarong’s operations is closely tied to corporate earnings and asset pricing (Exhibit 23). In 2014, this included: (a) The gross credit exposure of Rmb298bn (or 50% of group assets, and generated 55% of group revenue) that is subject to credit risk should corporate earnings deteriorate, and (b) Rmb22bn disposal debts and Rmb24bn DES assets (in total 8% of group assets generated 7% of group revenue), the return on which hinges on the market value of these assets. That said, we note that Huarong maintains a relatively high provision ratio (7.2% in 1H15) and low LTV ratio (34.2% in 1H15) on restructuring debts, which could help offset the credit risk in an adverse scenario – assuming a loss given a default ratio of 50%, Huarong’s existing provision buffer could absorb up to an impairment ratio of 14.4% (vs. an impairment ratio of 1.6% and an overdue ratio of 3.8% reported by Huarong in 1H15).

Exhibit 24 assesses Huarong’s earnings sensitivity to a select set of key assumptions. Yield on restructuring debts, credit provisions, and funding cost are the three factors affecting 2015E NPAT the most.

Exhibit 23: Huarong’s risk profile breakdown: While the DAM business adds some defensive features to Huarong’s earnings, a meaningful part of Huarong’s operations is closely tied to corporate earnings and asset pricing
Assets mix and revenue mix are as of 2014, in %



Source: Company data, Gao Hua Securities Research.

Exhibit 24: Huarong's earnings are sensitive to yield on restructuring debts, credit provisions, and funding cost

2015E NPAT sensitivity

	Base assumption	Change by (pp)	PBT impact (RMB mn)	As % of NPAT
2015E				
Realized return on disposal debts	9%	-1	(130)	-0.6%
Return on restructuring debts	12.0%	-1	(1,951)	-8.3%
Exit multiple of DES assets	2.6X	-20	(670)	-2.9%
Credit cost on restructuring debts	1.9%	+1	(2,099)	-9.0%
Credit cost on banking and leasing assets	0.6%	+0.5	(710)	-3.0%
Avg cost of interest-bearing liabilities	4.6%	+0.2	(1,038)	-4.4%

Source: Gao Hua Securities Research.

2. Rising competition from other AMCs may raise the acquisition cost of NPLs and lead to difficulties in acquiring restructuring debts in certain provinces

Given the high-growth potential and profitability of the distressed debt business, we expect increasing competition from other AMCs, especially the other three national AMCs. Apart from Cinda, which has consistently focused on the distressed debt business, Orient and Great Wall also shifted gears to grow more traditional/disposal business on rapid new NPL formations at Chinese banks since late 2013. With similar business licensing, funding costs, and financial holding group structure, competition among the Four AMCs may push up the acquisition cost of NPLs. However, pricing competition in NPL acquisition could be moderating in 2015E due to a potential increase in supply from banks, in our view.

The provincial governments were allowed to establish or authorize one local institution to conduct DAM since February 2012. By July 2015, there were a total of 15 local AMCs approved by CBRC. Given the potentially stronger connection with local governments, these local AMCs may be competitive in the restructuring debt markets in local provinces. Overall, we believe local AMCs may not challenge the national ones given the former's distinct disadvantages in business scope and funding, as summarized in Exhibit 25.

Moreover, we expect entities such as private equity funds to gradually enter the DAM business as the industry becomes more mature. However, similar to the case with local AMCs, we do not think the challenge is likely to be material in the near term.

Exhibit 25: The Four AMCs possess a clear advantage over local AMCs in terms of business scope and funding, in our view

	The Four AMCs	Local-government AMCs
	Nationwide	
Source of distressed assets	Distressed assets from financial institutions. (Cinda, currently the only AMC with regulatory approval, can also acquire distressed assets from non-financial enterprises)	Respective provinces/regions/municipalities Batch transfer of distressed assets from financial institutions
Disposal method	No limit	Shall be disposed of via debt restructuring and shall not be transferred to other companies
Major shareholder	Ministry of Finance	Local governments
Source of funding	Bank loans, financial bonds, interbank borrowing, equity financing, MOF, PBOC	Unclear so far

Source: CBRC, Gao Hua Securities Research.

Financials

We forecast Huarong to post **34%/19%/14% revenue growth in 2015E/2016E/2017E** (or 22% 2014-2017E CAGR³) and **35%/24%/17% NPAT growth** (or 25% CAGR), mainly driven by: **(a) Strong income growth in its DAM business** (at 29% CAGR) on rapid distressed assets acquisition offsetting gradually lower returns, **(b) stable growth of financial services and asset management units** (at 15% revenue CAGR, net of commission expense) amidst some headwinds from interest rate cuts and a cooling in financial markets (from the 2H14-1H15 level), and **(c) lower impairment losses on restructuring debts after 2015E** as growth of restructuring debts gradually slows down to a more sustainable level while Huarong keeps its provision ratio (over restructuring debt balance) stable at c.7.0%.

ROA may decline modestly to 2.6%/2.5%/2.5% in 2015E/2016E/2017E from 2.6% in 2014 due to a higher portion of capital-intensive DAM business and lower yield on interest-earnings assets (IEAs) post the PBOC rate cuts. **ROE** may decline to 17.1%/16.8%/17.3% in 2015E/2016E/2017E from 19.1% in 2014 on lower balance sheet leverage. That said, there is room for Huarong to further raise the leverage of its balance sheet and enhance 2015E-2017E ROE given the company's track record of efficient capital utilization.

Exhibit 26 illustrates the 2015E-2017E NPAT growth breakdown, with its DAM business being the biggest growth driver, based on our estimates.

Exhibits 27 and 28 list our detailed assumptions behind the DAM segment and impairment charges forecasts, respectively; while Exhibits 31 and 32 summarize our forecasts for key income statement and balance sheet items, respectively:

- **DAM business: Strong 29% revenue CAGR on the back of 32% distressed assets balance CAGR and gradually declining return; contributing 52% of the group's 2017E net revenue**

Distressed assets growth: We forecast the balance of distressed debt assets to grow at 36% CAGR amidst abundant distressed assets supply from banks and non-financial enterprises. Disposal debts (i.e. NPL packages acquired from banks) are likely to grow faster than restructuring debts off a low base (GSe: 49% CAGR). Balance of DES assets may decrease by a CAGR of 9% as Huarong gradually exits from DES legacy assets.

Return: We forecast declining returns across the three major distressed asset categories during 2015E-2017E in light of less asset appreciation potential during the current macroeconomic downcycle, PBOC interest rate cuts, and increasing competition from the other three national AMCs and local AMCs. The magnitude of such a decline should be moderate, mitigated by an ample supply of distressed assets, Huarong's bargaining power over distressed corporates and management's discretion as to "when to dispose of what" (especially for DES assets).

- **Financial services and asset management business: Stable revenue growth of 15% CAGR (net of commission expense)**

Net revenue from financial services and asset management business grew strongly at 27% CAGR during 2012-2014. We expect net revenue growth in 2015E-2017E to slow to 15% due to headwinds from interest rate cuts and a cooling of financial markets (from the 2H14-1H15 level), which would negatively affect Huarong's banking, leasing, and securities business. While we expect Huarong to continue to raise the provision ratio over its bank loan and lease receivables, the growth rate of the associated impairment losses charged through the P&L may have peaked in 2014 given the sharp increase in

³ CAGR in the section refers to 2014-2017E CAGR, unless stated otherwise.

credit costs in 2014. This should help bottom line growth. We forecast 16% net profit CAGR at the group, excluding the DAM segment.

- Impairment losses on restructuring debts: To peak in 2015E as growth in restructuring debts gradually slows down to a more sustainable level**

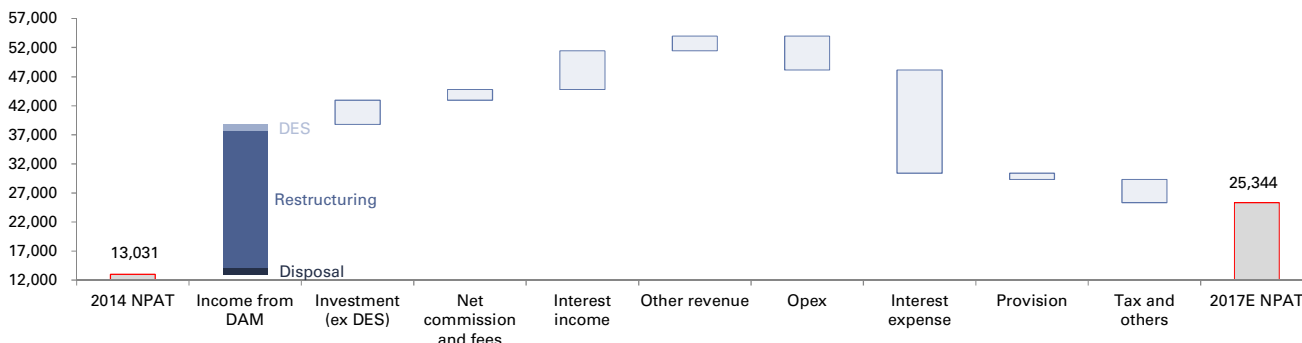
The rapid growth in restructuring debts has been a major source of impairment losses at the group level, resulting in 107%/87%/80% of total impairment losses in 2012/2013/2014, as Huarong booked provisions totaling 7.1%/7.9%/6.8% of the end balance of the restructuring debts. Looking ahead, we expect Huarong to maintain a stable provision ratio of c.7.0% through 2017E given the already high level of provisions – we forecast its provision-to-impairment ratio to stay above 350% in 2017E assuming 7.0% provision ratio and 2.0% impairment ratio (Exhibit 28). Thus the additional provision requirement in 2015E-2017E would fall along with the slowdown in restructuring debts. We forecast an average of 2.1% credit cost during 2015E-2017E vs. 3.3% in 2014 for restructuring debts, and an average of 1.5% vs. 2.1% for the group’s total credit exposure.

- Balance sheet: Assets to grow at a CAGR of 23% over 2014-2017E driven by acquisition of distressed assets and robust growth of bank loans and lease receivables**

Distressed assets acquisition would be one major driver of balance sheet expansion, followed by the growth in bank loans and lease receivables in banking and finance leasing units. We estimate the share of distressed assets to rise to 42% of total assets by 2017E from 34% in 2014.

Exhibit 26: We forecast DAM business to be the biggest growth driver during 2015E-2017E

2014 - 2017E NPAT growth breakdown (Rmb mn)



Source: Company data (2014), Gao Hua Securities Research (2015E-2017E).

Exhibit 27: DAM business: Strong 29% revenue CAGR on the back of 32% distressed assets balance CAGR, offsetting gradually declining returns

Detailed assumptions for DAM business (in Rmb mn, unless stated otherwise)

	2012	2013	2014	2015E	2016E	2017E	YoY growth					2014-17E CAGR
							2013	2014	2015E	2016E	2017E	
Total distressed assets	75,931	114,607	203,965	295,014	387,475	467,071	51%	78%	45%	31%	21%	32%
Distressed debt assets	54,449	93,020	179,576	272,821	367,279	448,692	71%	93%	52%	35%	22%	36%
- Disposal	3,126	8,134	22,338	39,905	56,868	73,727	160%	175%	79%	43%	30%	49%
- Restructuring	51,322	84,886	157,239	232,916	310,411	374,965	65%	85%	48%	33%	21%	34%
DES	21,483	21,587	24,389	22,194	20,196	18,379	0%	13%	-9%	-9%	-9%	-9%
As % of total assets	24%	28%	34%	38%	40%	42%						
Total income from distressed assets	8,331	15,209	22,214	33,917	41,782	47,980	83%	46%	53%	23%	15%	29%
Distressed debt asset mgmt	4,895	9,427	16,548	24,733	32,882	39,665	93%	76%	49%	33%	21%	34%
- Disposal	250	509	886	1,324	1,641	1,969	104%	74%	49%	24%	20%	30%
- Restructuring	4,645	8,918	15,662	23,409	31,241	37,696	92%	76%	49%	33%	21%	34%
DES mgmt	1,422	3,516	2,711	5,591	4,632	3,876	147%	-23%	106%	-17%	-16%	13%
- Disposal (AFS & interest in associates)	1,160	3,159	2,477	5,358	4,420	3,683	172%	-22%	116%	-18%	-17%	14%
- Div income	262	357	234	233	212	193	36%	-34%	-1%	-9%	-9%	-6%
Financial advisory income from restructuring debts	2,014	2,266	2,955	3,593	4,268	4,439	12%	30%	22%	19%	4%	15%
As % of total revenue net of commission expense	32%	41%	44%	50%	52%	52%						
Return assumptions												
Disposal - return on disposal	26%	23%	10%	9%	8%	8%	7%	11%	14%	15%	16%	
Restructuring - return on period-end avg balance		12.1%	12.0%	12.0%	11.5%	11.0%	74%	77%	79%	80%	80%	
DES - exit multiple	2.9X	5.2X	1.9X	2.6X	2.2X	2.0X	19%	12%	8%	5%	4%	
DES - div yld (on avg balance)	1.2%	1.7%	1.0%	1.0%	1.0%	1.0%						
Financial advisory fee rate	4.9%	3.4%	2.3%	2.0%	1.8%	1.6%						

Source: Company data (2012-2014), Gao Hua Securities Research (2015E-2017E).

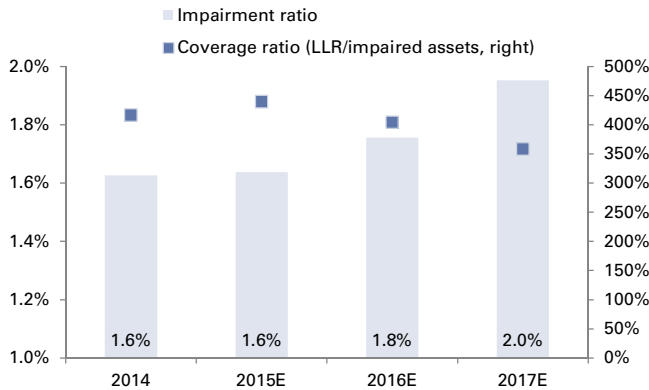
Exhibit 28: Impairment losses on restructuring debts: To peak in 2015E as growth in restructuring debts gradually slows to a more sustainable level

Detailed assumptions behind our impairment losses forecast

(RMB mn)	2012	2013	2014	2015E	2016E	2017E
Impairment losses on assets	(2,323)	(4,850)	(6,226)	(9,162)	(8,177)	(7,282)
Distressed debt assets classified as receivables	(2,550)	(3,407)	(4,334)	(6,597)	(5,652)	(4,500)
AFS	104	(785)	(507)	(1,012)	(1,012)	(962)
<i>GSe DES related</i>	<i>66</i>	<i>(817)</i>	<i>(624)</i>	<i>(1,012)</i>	<i>(1,012)</i>	<i>(962)</i>
<i>as % of beginning balance of listed DES</i>		<i>-9%</i>	<i>-7%</i>	<i>-8%</i>	<i>-8%</i>	<i>-8%</i>
Loans and advances to customers	(108)	(269)	(510)	(612)	(547)	(749)
Lease receivables	(85)	(46)	(263.6)	(286)	(263)	(315)
Others	315	(343)	(611)	(655)	(703)	(757)
<i>Memo: losses on distressed assets as % of total</i>	<i>107%</i>	<i>87%</i>	<i>80%</i>	<i>83%</i>	<i>81%</i>	<i>75%</i>
<i>Memo: impairment losses as % avg assets</i>	<i>-0.8%</i>	<i>-1.3%</i>	<i>-1.2%</i>	<i>-1.3%</i>	<i>-0.9%</i>	<i>-0.7%</i>
Gross credit exposure	141,798	197,447	297,555	405,973	516,164	614,966
Restructuring distressed debts	55,230	92,133	168,713	250,987	334,135	403,188
Loans and advances to customers	38,129	48,934	64,449	80,933	96,869	113,844
Finance lease receivables	48,439	56,380	64,393	74,052	85,160	97,934
Allowance for impairment	(5,185)	(8,838)	(13,583)	(21,078)	(27,540)	(33,103)
Restructuring distressed debts	(3,908)	(7,247)	(11,474)	(18,071)	(23,724)	(28,223)
Loans and advances to customers	(483)	(758)	(1,210)	(1,822)	(2,369)	(3,117)
Finance lease receivables	(794)	(833)	(899)	(1,185)	(1,448)	(1,763)
Provision ratio	3.7%	4.5%	4.6%	5.2%	5.3%	5.4%
Restructuring distressed debts	7.1%	7.9%	6.8%	7.2%	7.1%	7.0%
Loans and advances to customers (incl. margin loans)	1.3%	1.5%	1.9%	2.3%	2.4%	2.7%
Finance lease receivables	1.6%	1.5%	1.4%	1.6%	1.7%	1.8%
Credit cost		-2.2%	-2.1%	-2.1%	-1.4%	-1.0%
Restructuring distressed debts		-4.6%	-3.3%	-3.1%	-1.9%	-1.2%
Loans and advances to customers		-0.6%	-0.9%	-0.8%	-0.6%	-0.7%
Finance lease receivables		-0.1%	-0.4%	-0.4%	-0.3%	-0.3%

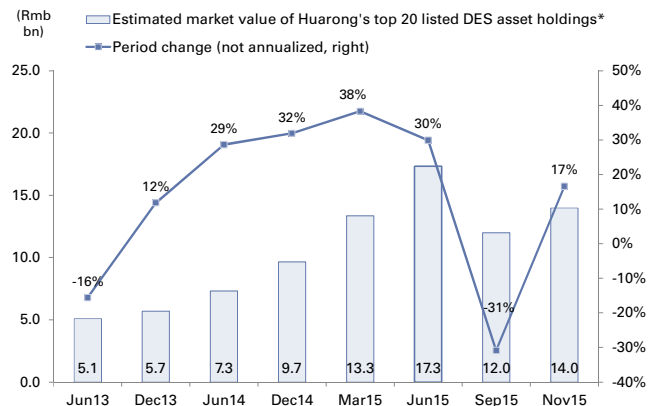
Source: Company data (2012-2014), Gao Hua Securities Research (2015E-2017E).

Exhibit 29: While the impairment ratio of Huarong's restructuring debts may gradually increase to 1.9% in 2017E (as it's not immune to the credit cycle), its coverage ratio would remain comfortable at c.350%
Asset quality of restructuring debts



Source: Company data (2014), Gao Hua Securities Research (2015E-2017E).

Exhibit 30: We estimate that the market value of Huarong's top 20 listed DES asset holdings rose 80% in 1H15 and subsequently declined 21% by end-August
As of November 27, 2015



*Note the constitution of Huarong's top 20 listed DES asset holdings is as of the end of 1H15. Historical market value is calculated based on unchanged portfolio mix over time, which is not that accurate, in our view.

Source: Company data, Datastream.

Exhibit 31: Huarong's income statement: 34%/19%/14% revenue growth in 2015E/2016E/2017E (or 22% 2014-2017E CAGR) and 35%/24%/17% NPAT growth (or 25% CAGR)
Key income statement items

INCOME STATEMENT (RMB mn)	2012	2013	2014	2015E	2016E	2017E	YoY growth				2014-17E CAGR
							2014	2015E	2016E	2017E	
Operating Revenue	26,063	37,319	51,061	68,204	80,824	92,425	37%	34%	19%	14%	22%
Income from distressed debt assets classified as receivables	4,645	8,918	15,662	23,409	31,241	37,696	76%	49%	33%	21%	34%
Fair value changes on distressed debt assets	250	509	886	1,324	1,641	1,969	74%	49%	24%	20%	30%
Fair value changes on other financial assets	460	942	1,289	1,676	1,844	2,028	37%	30%	10%	10%	16%
Investment income	5,328	8,179	9,804	14,101	14,419	15,132	20%	44%	2%	5%	16%
Interest income	9,686	10,076	12,048	13,825	16,226	18,705	20%	15%	17%	15%	16%
Commission and fee income	5,244	6,785	7,986	9,936	10,931	11,694	18%	24%	10%	7%	14%
Net gains on disposal of subsidiaries and associates	(60)	14	128	186	214	246	795%	45%	15%	15%	24%
Other income and other net gains or losses	510	1,897	3,258	3,747	4,309	4,956	72%	15%	15%	15%	15%
Operating expenses	(16,480)	(23,126)	(33,051)	(44,191)	(51,301)	(58,112)	43%	34%	16%	13%	21%
Interest expense	(9,084)	(10,931)	(17,904)	(23,822)	(29,746)	(35,664)	64%	33%	25%	20%	26%
Commission and fee expense	(211)	(328)	(452)	(679)	(781)	(856)	38%	50%	15%	10%	24%
Operating expense	(4,861)	(7,017)	(8,469)	(10,528)	(12,598)	(14,310)	21%	24%	20%	14%	19%
Impairment losses on assets	(2,323)	(4,850)	(6,226)	(9,162)	(8,177)	(7,282)	28%	47%	-11%	-11%	5%
Operating profit	9,583	14,194	18,009	24,013	29,523	34,312	27%	33%	23%	16%	24%
Memo: cost-to-income ratio	29%	26%	25%	23%	24%	25%					
Profit before tax	9,109	13,640	16,774	22,665	28,049	32,702	23%	35%	24%	17%	25%
Income tax expense	(2,123)	(3,547)	(3,744)	(5,100)	(6,311)	(7,358)	6%	36%	24%	17%	25%
Effective tax rate	23%	26%	22%	23%	23%	23%					
Profit for the year	6,986	10,093	13,031	17,566	21,738	25,344	29%	35%	24%	17%	25%
Equity holders of the Company	5,892	8,660	10,656	14,366	17,778	20,727	23%	35%	24%	17%	25%
Non-controlling interests	1,094	1,434	2,374	3,200	3,960	4,617	66%	35%	24%	17%	25%

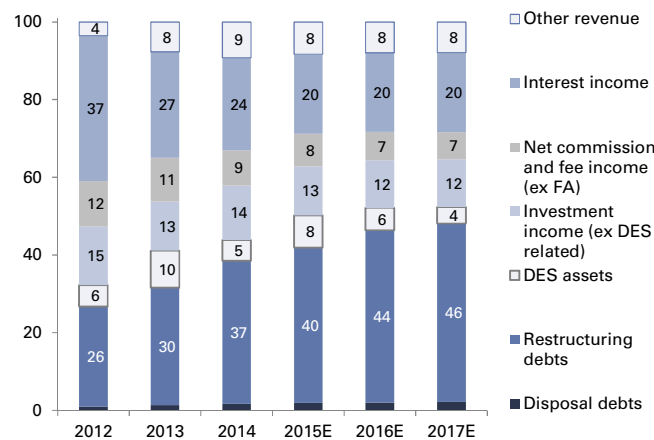
Source: Company data (2012-2014), Gao Hua Securities Research (2015E-2017E).

Exhibit 32: Huarong’s balance sheet: Assets to grow at 23% CAGR with a higher portion allocated to its DAM business
Key balance sheet items

BALANCE SHEET (RMB mn)							YoY growth				2014-17E
	2012	2013	2014	2015E	2016E	2017E	2014	2015E	2016E	2017E	CAGR
Assets											
Cash and bank balances	16,898	21,152	26,945	40,272	60,847	57,229	27%	49%	51%	-6%	29%
Deposits with financial institutions	20,469	29,923	51,633	59,378	68,285	78,528	73%	15%	15%	15%	15%
Placement with financial institutions	950	3,071	13,628	15,673	18,023	20,727	344%	15%	15%	15%	15%
Financial assets at fair value through profit or loss	19,343	21,062	41,170	59,946	75,982	92,842	95%	46%	27%	22%	31%
Financial assets held under resale agreements	39,785	40,464	21,842	25,118	28,886	33,219	-46%	15%	15%	15%	15%
Available-for-sale financial assets	29,135	28,966	43,967	48,548	53,599	59,186	52%	10%	10%	10%	10%
Held-to-maturity investments	9,742	12,624	18,818	20,700	23,805	27,375	49%	10%	15%	15%	13%
Financial assets classified as receivables	74,922	124,320	227,033	316,670	410,915	495,570	83%	39%	30%	21%	30%
Loans and advances to customers	37,646	48,176	63,239	79,111	94,501	110,727	31%	25%	19%	17%	21%
Lease receivables	47,645	55,546	63,494	72,867	83,712	96,171	14%	15%	15%	15%	15%
Investment properties	651	628	977	1,026	1,077	1,131	56%	5%	5%	5%	5%
Interests in associates	2,904	2,855	2,863	2,863	2,863	2,863	0%	0%	0%	0%	0%
Property and equipment	3,708	4,129	3,991	4,190	4,400	4,620	-3%	5%	5%	5%	5%
Deferred tax assets	915	2,037	2,672	2,939	3,233	3,556	31%	10%	10%	10%	10%
Other assets	10,321	13,415	18,247	20,072	22,079	24,287	36%	10%	10%	10%	10%
Total Assets	315,034	408,367	600,521	769,373	952,209	1,108,031	47%	28%	24%	16%	23%
Liabilities											
Borrowings from central bank	40	52	80	88	97	106	53%	10%	10%	10%	10%
Deposits from financial institutions	11,889	16,018	13,660	15,709	18,065	19,872	-15%	15%	15%	10%	13%
Placements from financial institutions	-	5,828	2,111	2,322	2,554	2,810	-64%	10%	10%	10%	10%
Borrowings	89,760	136,131	239,885	263,874	311,371	367,418	76%	10%	18%	18%	15%
Financial assets sold under repurchase agreements	48,146	33,989	26,203	28,823	31,706	34,876	-23%	10%	10%	10%	10%
Due to customers	70,052	87,886	117,246	145,385	174,462	204,121	33%	24%	20%	17%	20%
Bonds and notes issued	3,487	17,886	48,002	115,205	184,328	211,977	168%	140%	60%	15%	64%
Tax payable	2,037	2,190	2,277	2,618	3,011	3,463	4%	15%	15%	15%	15%
Deferred tax liabilities	56	161	123	142	163	187	-23%	15%	15%	15%	15%
Other liabilities	46,995	55,692	67,402	80,882	97,058	116,470	21%	20%	20%	20%	20%
Total liabilities	272,462	355,833	516,989	655,048	822,816	961,300	45%	27%	26%	17%	23%
Equity attributable to equity holders of the Company	34,176	41,967	69,408	98,788	112,303	127,932	65%	42%	14%	14%	23%
Total equity	42,572	52,534	83,532	114,324	129,393	146,731	59%	37%	13%	13%	21%
Total equity and liabilities	315,034	408,367	600,521	769,373	952,209	1,108,031	47%	28%	24%	16%	23%

Source: Company data (2012-2014), Gao Hua Securities Research (2015E-2017E).

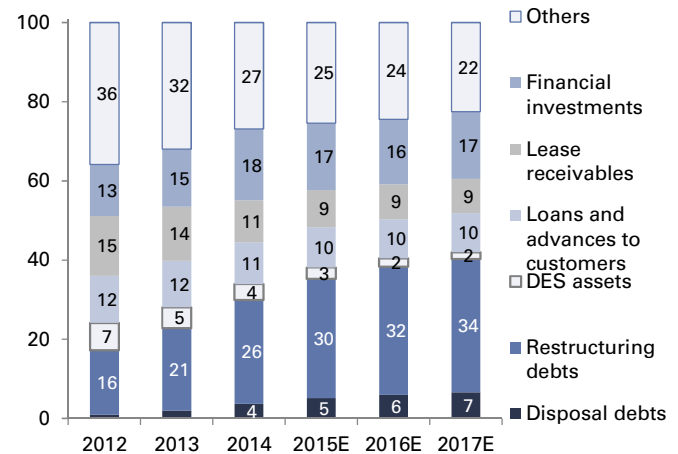
Exhibit 33: We estimate that revenue from distressed assets may contribute 52% of the group’s net revenue in 2017E, up from 44% in 2014
Revenue mix, in %



Note: Revenue is net of commission expense.

Source: Company data (2012-2014), Gao Hua Securities Research (2015E-2017E).

Exhibit 34: Total balance of distressed assets may grow to 42% of total assets in 2017E, up from 34% in 2014
Asset mix, in %



Source: Company data (2012-2014), Gao Hua Securities Research (2015E-2017E).

Valuation methodology

We adopt sum-of-the-parts (SOTP) as our primary method to value Huarong so as to capture the differentiated risk/return profiles of its three business segments: (1) distressed asset management, (2) financial services, and (3) asset management and others. Our 12-month target price for Huarong of HK\$4.1 implies 1.3X 2015E P/B. The stock is currently trading at 1.0X 2015E P/B, translating into 34% upside.

We value Huarong as the sum of following three parts:

- **Part I: The DAM segment:** Representing 64% of 2015E common equity; valued at 1.5X 2015E P/B based on 3-stage dividend discount model (DDM) given the capital-intensive business nature.
- **Part II: The financial services segment:** Representing 25% of 2015E common equity.
 - Securities (7% of 2015E BV) is valued at 1.3X 2015E P/B (or 1.21X 2016E P/B) based on: (a) the P/B-ROE relationship of global peers (in line with what we use to value China brokers), and (b) our estimated 2015E/2016E ROE of 18.0%/10.5% and long-term ROE of 10% for Huarong Securities.
 - Finance lease (7% of 2015E BV) is valued at 1.0X 2015E P/B, in line with the recent placement valuation (in June 2015) of FEH (an H-share listed China lessor).
 - Huarong Xiangjiang (XJ) bank (7% of 2015E BV) is valued at 0.8X 2015E P/B, slightly lower than our target P/B of 0.83X for BOCQ given similar profitability but weaker balance sheet position.
 - Unallocated capital (5% of 2015E BV) is valued at 1.0X 2015E P/B, which is the average of target P/B multiples we use for securities, lease and banking sub segments.
- **Part III: Asset management & others segments:** 11% of 2015E common equity, including the asset management segment and intra-group eliminations; valued at 1.0X 2015E P/B due to: (a) lack of listed comparables, and (b) segment ROE is relatively close to cost of equity.

From our SOTP methodology, we arrive at a 12-month target price of HK\$4.1 for Huarong, corresponding to 1.3X 2015E P/B.

Exhibit 35: SOTP valuation

In Rmb mn, unless stated otherwise

	2014		Attributable equity	2015E		2015E P/B multiple
	Equity	Minorities		ROE	Attributable equity	
Part I: Distressed asset mgmt	47,115	3,125	43,990	17.7%	62,967	1.5x
Part II: Financial services	25,724	8,627	17,097	16.3%	24,782	1.0x
Huarong Sec & futures	7,303	1,683	5,620	18.0%	6,585	1.3x
Huarong Fin Lease	7,330	1,472	5,858	17.7%	6,764	1.0x
Huarong XJ bk	11,091	5,473	5,618	19.3%	6,588	0.8x
Un-allocated capital				n.a.	4,845	1.0x
Part III: Asset mgmt and others	10,693	2,371	8,322	15.4%	11,040	1.0x
Sum of the Group	83,532	14,124	69,408	17.1%	98,788	1.3x
=> Value per share (HK\$)						4.10

Source: Gao Hua Securities Research.

Key assumptions in our 3-stage DDM for Part I DAM segment are outlined in Exhibit 36.

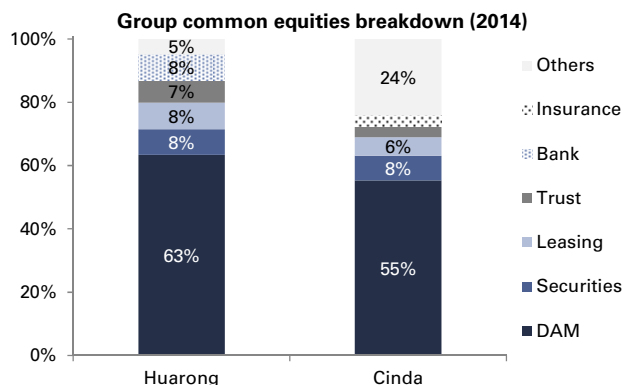
We also cross-check our SOTP valuation by applying a 3-stage DDM to the Group, and arrive at a similar 1.3X 2015E P/B implied multiple.

Exhibit 36: 3-stage DDM valuation

	Capital Asset Pricing Model				3-Stage Dividend Discount Model Assumptions										Growth fully loaded P/B	Fwd equity valuation (US\$ bn)
	Risk-free rates	Mkt. Risk Prem.	Beta	Total Disc. Rate (d)	Stage 1		Stage 2			Terminal Stage 3						
					Div. CAGR	No. of Yrs	(a) ROE	(b) Div Payout	Growth = a*(1-b)	No. of Yrs	(a) ROE	(b) Div Payout	Growth = a*(1-b)			
Group	4.5%	6.5%	1.20x	12.3%	25%	3	14.0%	40%	8.4%	10	12.0%	67%	4.0%	1.30X	20.1	
- Distressed asset management	4.5%	6.5%	1.25x	12.6%	29%	3	14.5%	40%	8.7%	10	13.0%	69%	4.0%	1.50X	14.8	

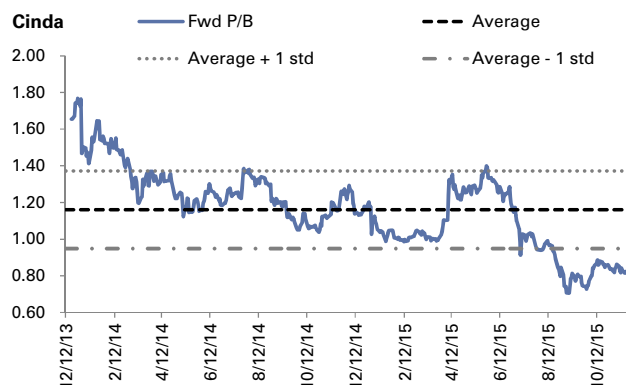
Source: Gao Hua Securities Research.

Exhibit 37: Common equity breakdown at Huarong and Cinda



Source: Company data, Annual reports of Huarong Trust and Cinda.

Exhibit 38: Valuation history of Cinda



Source: Datastream, Gao Hua Securities Research.

Exhibit 39: Valuation of H-share China financials

Ticker	Company	Rating	Price 12/1/2015	Mkt cap (US\$ mn)	P/E (X)		P/B (X)		ROE (%)		ROA (%)	
					2015E	2016E	2015E	2016E	2015E	2016E	2015E	2016E
2799.HK	Huarong	Buy	3.09	16	6.3	5.6	1.00	0.88	17.1	16.8	2.6	2.5
1359.HK	Cinda	Not Rated	2.88	13	5.9	5.3	0.81	0.73	14.5	14.5	2.4	2.3
China banks												
3988.HK	BOC H	Neutral	3.50	132	4.6	4.4	0.67	0.61	15.2	14.6	1.1	1.1
0939.HK	CCB H	Buy	5.38	174	4.7	4.6	0.78	0.70	17.4	16.1	1.3	1.2
1288.HK	ABC H	Buy	3.00	126	4.4	4.2	0.72	0.64	17.1	16.2	1.1	1.0
3328.HK	BoCom H	Neutral	5.55	53	5.0	4.9	0.63	0.58	13.3	12.4	1.0	0.9
3968.HK	CMB H	Sell	18.56	60	6.4	6.1	1.08	0.96	17.7	16.7	1.2	1.1
0998.HK	CNCB H	Buy*	4.94	30	4.4	3.9	0.61	0.55	14.8	14.6	1.0	0.9
3618.HK	CQRCB	Neutral	4.61	6	4.7	4.3	0.75	0.66	16.8	16.6	1.1	1.1
1963.HK	BOCQ	Neutral	5.68	2	4.6	4.7	0.67	0.61	15.7	13.6	1.1	1.1
	avg.				4.8	4.6	0.74	0.66	16.0	15.1	1.1	1.0
China brokers H												
6030.HK	CITICS H	Neutral	18.10	28	9.0	12.0	1.32	1.24	16.2	10.6	3.3	2.2
6837.HK	Haitong H	Buy	13.58	20	8.7	11.3	1.22	1.14	15.6	10.4	3.0	2.0
6886.HK	Huatai H	Neutral	19.22	18	9.9	14.0	1.41	1.34	17.1	9.8	2.7	1.7
1776.HK	Guangfa H	Buy*	19.10	19	8.6	12.7	1.58	1.49	21.6	12.0	3.7	2.2
	avg.				9.0	12.5	1.38	1.30	17.6	10.7	3.2	2.0
China lessors												
3360.HK	FEH	Buy	6.82	3	7.4	6.7	1.03	0.92	14.4	14.6	2.2	2.3
2666.HK	Universal	Buy	5.90	1	10.5	8.9	1.42	1.25	16.5	14.9	3.4	3.3
	avg.				9.0	7.8	1.22	1.09	15.5	14.7	2.8	2.8

Note: *denotes stock is on our Conviction List.

Source: Datastream, Gao Hua Securities Research.

Appendix

Exhibit 40: Key statistics of Huarong Xiangjiang Bank vs. peers

FY14	Huarong	BOCQ	CQRCB	BOBJ	BONB	BONJ	Hurong vs. BOCQ
Scale (Rmb mn)							
Total assets	165,326	274,531	618,890	1,524,437	554,113	573,150	0.6x
Retail focus							
Retail loans as % of total loans	19.3	30.6	40.1	22.7	34.6	18.4	-11pp
Retail deposits % of total deposits	24.8	17.0	74.0	19.3	20.1	14.5	8pp
Exposure to local mkt							
Local loans % total loans	100	77	99+	54	49	39	23pp
Profitability(%)	Huarong	BOCQ	CQRCB	BOBJ	BONB	BONJ	Hurong vs. BOCQ
NIM	3.00	2.61	3.37	2.39	2.65	2.73	0.4pp
Loan yield	7.6	7.3	7.2	6.8	7.0	7.2	0.4pp
Deposit costs	2.2	2.8	2.2	2.4	2.2	2.5	-0.5pp
Cost/income ratio(%)	40	37	42	32	38	36	2.1pp
PPOP ROA	2.0	1.9	2.0	1.8	1.9	2.0	0.1pp
ROA	1.31	1.17	1.22	1.09	1.10	1.12	0.13pp
ROE	19.9	19.2	17.1	18.0	18.9	19.0	0.7pp
Profit/RWA	1.9	2.0	1.9	1.6	2.4	1.8	0.0pp
Asset quality & leverage (%)	Huarong	BOCQ	CQRCB	BOBJ	BONB	BONJ	Hurong vs. BOCQ
NPL ratios	0.8	0.7	0.8	0.9	0.9	0.9	0.1pp
NPL formation ratio	0.72	0.68	0.27	0.36	0.77	0.96	0.05pp
NPL coverage	250	319	460	356	285	326	-69pp
Adjusted L/D	66	87	70	77	109	90	-20pp
Adjusted provision/total credits	1.5	1.7	3.5	2.6	1.3	1.7	-0.2pp
Off-balance sheet items/total loans	98	40	6	34	67	72	58pp
Capital (%)	Huarong	BOCQ	CQRCB	BOBJ	BONB	BONJ	Hurong vs. BOCQ
Core tier I CAR	9.3	9.6	10.1	9.2	10.1	8.6	-0.3pp
Internal capital generation rates							
Equity yoy	17	14	12	15	14	19	2.9pp
RWA yoy	25	33	35	18	42	44	-8pp
GAP (Equity yoy-RWA yoy)	(8)	(19)	(23)	(3)	(28)	(25)	11pp

Source: Company data, Annual reports from respective companies.

Exhibit 41: Key statistics of Huarong leasing vs. peers

	Huarong		FEH		Cinda		Sector	
	2013	2014	2013	2014	2013	2014	2013	2014
Scale & profitability (Rmb bn)								
NPAT	1.21	1.32	1.91	2.30	0.36	0.60		
Total assets	62.3	72.1	86.5	110.7	30.8	40.2		
Common equities	6.3	7.3	14.1	16.1	2.8	5.4		
ROAA	2.09%	1.96%	2.60%	2.33%	1.41%	1.69%	1.89%	1.78%
ROAE	20.5%	19.3%	14.2%	15.2%	13.8%	14.5%	15.8%	15.7%
Leverage (ending)	9.8x	9.8x	6.1x	6.9x	10.9x	7.4x	9.1x	9.8x
Growth								
NPAT	20%	9%	26%	20%	30%	67%		
Total assets	17%	16%	43%	28%	52%	31%	18%	52%
2011-14 NPAT CAGR		23%		28%		62%		
Asset quality								
NPL ratio	1.03%	1.05%	0.80%	0.91%				
NPL coverage ratio	144%	133%	220%	220%				
Others								
Asset yield	8.1%	8.3%	7.6%	7.0%				
Funding cost	4.3%	5.3%	5.1%	5.2%				
NIS	3.8%	3.0%	2.5%	1.8%				

Note:

(1) Sector ROAA, ROAE and leverage data are based on the average of Jiangsu lease and leasing subsidiaries of BoCom, CMB, Minsheng, CCB, BOC and Huarong, while sector total assets refer to the whole financial leasing industry.

(2) We assume 25% income tax rate for Cinda Lease's profits

Source: Company data, Annual reports from FEH, Cinda, and other lessors mentioned above.

Exhibit 42: Key statistics of Huarong Securities vs. peers

	Huarong Sec		Cinda Sec		Sector 2014
	2013	2014	2013	2014	
Scale & profitability (Rmb bn)					
NPAT	0.31	0.86	0.32	0.90	96.55
Total assets	22.7	43.0	18.2	33.8	4,090.0
ROAA	2.1%	2.6%	2.0%	3.5%	3.1%
ROAE	6.3%	13.6%	5.8%	14.5%	11.5%
Growth					
NPAT	90%	182%	49%	180%	119%
Total assets	217%	90%	28%	86%	97%
2011-14 NPAT CAGR		83%		84%	35%
Revenue mix (net)					
Brokerage	18%	13%	50%	36%	40%
IBD	21%	14%	8%	14%	12%
AM	5%	3%	6%	5%	5%
NII	4%	0%	10%	2%	n.a.
Trading	49%	69%	23%	41%	27%
Others	2%	1%	3%	2%	n.a.
Market share					
Brokerage	0.3%	0.3%	0.9%	0.8%	
Margin finance	0.4%	0.4%	0.8%	0.7%	
IBD - ECM	0.2%	1.4%	0.0%	1.4%	
IBD - DCM	0.1%	0.3%	0.2%	0.3%	
Others					
No. of branches		55		83	
AUM (Rmb bn)		79		37	
AUM active (Rmb bn)		23		9	

Source: Company data, Annual report from Cinda Securities, SAC.

Exhibit 43: Key statistics of Huarong Trust vs. peers

	Huarong Trust		Cinda Jingu		Sector 2014
	2013	2014	2013	2014	
Scale & profitability (Rmb bn)					
NPAT	0.80	0.70	0.27	0.11	48.17
Total assets	3.6	5.4	3.5	3.6	358.6
ROAA	23.8%	15.5%	9.2%	3.0%	18.2%
ROAE	26.2%	17.1%	10.4%	3.2%	16.8%
Growth					
NPAT	23%	-12%	-48%	-61%	13%
Total assets	17%	50%	47%	3%	111%
Trust assets	38%	53%	-8%	-6%	28%
2011-14 NPAT CAGR		11%		-25%	29%
Mix					
Trust assets	98	150	94	89	13,980
% in property rights	10%	13%	23%	19%	10%
% in infrastructure	24%	19%	39%	23%	21%
Single	46%	48%	70%	57%	63%
Collective	47%	43%	24%	15%	31%
Property	6%	8%	6%	28%	7%
Active mgmt.	72%	46%	65%	78%	
Passive mgmt.	28%	51%	35%	22%	
Others					
Profit per employee(mn)	4.17	2.87	1.62	0.55	2.26

Source: Company data, Annual report from Huarong Trust, Cinda Jingu, China Trustee Association.

Disclosure Appendix

Reg AC

I, Nan Li, CFA, hereby certify that all of the views expressed in this report accurately reflect my personal views about the subject company or companies and its or their securities. I also certify that no part of my compensation was, is or will be, directly or indirectly, related to the specific recommendations or views expressed in this report.

Investment Profile

The Goldman Sachs Investment Profile provides investment context for a security by comparing key attributes of that security to its peer group and market. The four key attributes depicted are: growth, returns, multiple and volatility. Growth, returns and multiple are indexed based on composites of several methodologies to determine the stocks percentile ranking within the region's coverage universe.

The precise calculation of each metric may vary depending on the fiscal year, industry and region but the standard approach is as follows:

Growth is a composite of next year's estimate over current year's estimate, e.g. EPS, EBITDA, Revenue. **Return** is a year one prospective aggregate of various return on capital measures, e.g. CROCI, ROACE, and ROE. **Multiple** is a composite of one-year forward valuation ratios, e.g. P/E, dividend yield, EV/FCF, EV/EBITDA, EV/DACF, Price/Book. **Volatility** is measured as trailing twelve-month volatility adjusted for dividends.

Quantum

Quantum is Goldman Sachs' proprietary database providing access to detailed financial statement histories, forecasts and ratios. It can be used for in-depth analysis of a single company, or to make comparisons between companies in different sectors and markets.

GS SUSTAIN

GS SUSTAIN is a global investment strategy aimed at long-term, long-only performance with a low turnover of ideas. The GS SUSTAIN focus list includes leaders our analysis shows to be well positioned to deliver long term outperformance through sustained competitive advantage and superior returns on capital relative to their global industry peers. Leaders are identified based on quantifiable analysis of three aspects of corporate performance: cash return on cash invested, industry positioning and management quality (the effectiveness of companies' management of the environmental, social and governance issues facing their industry).

Disclosures

Coverage group(s) of stocks by primary analyst(s)

Nan Li, CFA: China Brokers, China Financials. Jessica Wu: China Financials.

China Brokers: China Galaxy Securities, China Merchants Securities, CITIC Securities (A), CITIC Securities (H), Everbright Securities, GF Securities Co.(A), GF Securities Co.(H), Haitong Securities (A), Haitong Securities (H), Huatai Securities (A), Huatai Securities (H).

China Financials: Agricultural Bank of China (A), Agricultural Bank of China (H), Bank of Beijing, Bank of China (A), Bank of China (H), Bank of Chongqing, Bank of Communications (A), Bank of Communications (H), Bank of Nanjing, Bank of Ningbo, China Cinda Asset Management Co., China CITIC Bank (A), China CITIC Bank (H), China Construction Bank (A), China Construction Bank (H), China Everbright Bank, China Huarong Asset Management Co., China Life Insurance Co. (A), China Life Insurance Co. (H), China Merchants Bank (A), China Merchants Bank (H), China Minsheng Banking (A), China Minsheng Banking (H), China Pacific Insurance (A), China Pacific Insurance (H), China Taiping Insurance Holdings, Chongqing Rural Commercial Bank, Far East Horizon, Hua Xia Bank, ICBC (A), ICBC (H), Industrial Bank, New China Life Insurance (A), New China Life Insurance (H), PICC Group, PICC Property and Casualty, Ping An Bank Co., Ping An Insurance Group (A), Ping An Insurance Group (H), Shanghai Pudong Development Bank, Universal Medical.

Company-specific regulatory disclosures

The following disclosures relate to relationships between The Goldman Sachs Group, Inc. (with its affiliates, "Goldman Sachs") and companies covered by the Global Investment Research Division of Goldman Sachs and referred to in this research.

Goldman Sachs has received compensation for investment banking services in the past 12 months: China Huarong Asset Management Co. (HK\$3.06)

Goldman Sachs expects to receive or intends to seek compensation for investment banking services in the next 3 months: China Huarong Asset Management Co. (HK\$3.06)

Goldman Sachs had an investment banking services client relationship during the past 12 months with: China Huarong Asset Management Co. (HK\$3.06)

Goldman Sachs had a non-investment banking securities-related services client relationship during the past 12 months with: China Huarong Asset Management Co. (HK\$3.06)

Goldman Sachs had a non-securities services client relationship during the past 12 months with: China Huarong Asset Management Co. (HK\$3.06)

Goldman Sachs has managed or co-managed a public or Rule 144A offering in the past 12 months: China Huarong Asset Management Co. (HK\$3.06)

Distribution of ratings/investment banking relationships

Goldman Sachs Investment Research global coverage universe

	Rating Distribution			Investment Banking Relationships		
	Buy	Hold	Sell	Buy	Hold	Sell
Global	32%	53%	15%	63%	57%	52%

As of October 1, 2015, Goldman Sachs Global Investment Research had investment ratings on 3,221 equity securities. Goldman Sachs assigns stocks as Buys and Sells on various regional Investment Lists; stocks not so assigned are deemed Neutral. Such assignments equate to Buy, Hold and Sell for the purposes of the above disclosure required by NASD/NYSE rules. See 'Ratings, Coverage groups and views and related definitions' below.

Regulatory disclosures

Disclosures required by United States laws and regulations

See company-specific regulatory disclosures above for any of the following disclosures required as to companies referred to in this report: manager or co-manager in a pending transaction; 1% or other ownership; compensation for certain services; types of client relationships; managed/co-managed public offerings in prior periods; directorships; for equity securities, market making and/or specialist role. Goldman Sachs usually makes a market in fixed income securities of issuers discussed in this report and usually deals as a principal in these securities.

The following are additional required disclosures: **Ownership and material conflicts of interest:** Goldman Sachs policy prohibits its analysts, professionals reporting to analysts and members of their households from owning securities of any company in the analyst's area of coverage. **Analyst compensation:** Analysts are paid in part based on the profitability of Goldman Sachs, which includes investment banking revenues. **Analyst as officer or director:** Goldman Sachs policy prohibits its analysts, persons reporting to analysts or members of their households from serving as an officer, director, advisory board member or employee of any company in the analyst's area of coverage. **Non-U.S. Analysts:** Non-U.S. analysts may not be associated persons of Goldman, Sachs & Co. and therefore may not be subject to NASD Rule 2711/NYSE Rules 472 restrictions on communications with subject company, public appearances and trading securities held by the analysts.

Distribution of ratings: See the distribution of ratings disclosure above. **Price chart:** See the price chart, with changes of ratings and price targets in prior periods, above, or, if electronic format or if with respect to multiple companies which are the subject of this report, on the Goldman Sachs website at <http://www.gs.com/research/hedge.html>.

Additional disclosures required under the laws and regulations of jurisdictions other than the United States

The following disclosures are those required by the jurisdiction indicated, except to the extent already made above pursuant to United States laws and regulations. **Australia:** Goldman Sachs Australia Pty Ltd and its affiliates are not authorised deposit-taking institutions (as that term is defined in the Banking Act 1959 (Cth)) in Australia and do not provide banking services, nor carry on a banking business, in Australia. This research, and any access to it, is intended only for "wholesale clients" within the meaning of the Australian Corporations Act, unless otherwise agreed by Goldman Sachs. In producing research reports, members of the Global Investment Research Division of Goldman Sachs Australia may attend site visits and other meetings hosted by the issuers the subject of its research reports. In some instances the costs of such site visits or meetings may be met in part or in whole by the issuers concerned if Goldman Sachs Australia considers it is appropriate and reasonable in the specific circumstances relating to the site visit or meeting. **Brazil:** Disclosure information in relation to CVM Instruction 483 is available at <http://www.gs.com/worldwide/brazil/area/gir/index.html>. Where applicable, the Brazil-registered analyst primarily responsible for the content of this research report, as defined in Article 16 of CVM Instruction 483, is the first author named at the beginning of this report, unless indicated otherwise at the end of the text. **Canada:** Goldman Sachs Canada Inc. is an affiliate of The Goldman Sachs Group Inc. and therefore is included in the company specific disclosures relating to Goldman Sachs (as defined above). Goldman Sachs Canada Inc. has approved of, and agreed to take responsibility for, this research report in Canada if and to the extent that Goldman Sachs Canada Inc. disseminates this research report to its clients. **Hong Kong:** Further information on the securities of covered companies referred to in this research may be obtained on request from Goldman Sachs (Asia) L.L.C. **India:** Further information on the subject company or companies referred to in this research may be obtained from Goldman Sachs (India) Securities Private Limited. Goldman Sachs may beneficially own 1% or more of the securities (as such term is defined in clause 2 (h) the Indian Securities Contracts (Regulation) Act, 1956) of the subject company or companies referred to in this research report. **Japan:** See below. **Korea:** Further information on the subject company or companies referred to in this research may be obtained from Goldman Sachs (Asia) L.L.C., Seoul Branch. **New Zealand:** Goldman Sachs New Zealand Limited and its affiliates are neither "registered banks" nor "deposit takers" (as defined in the Reserve Bank of New Zealand Act 1989) in New Zealand. This research, and any access to it, is intended for "wholesale clients" (as defined in the Financial Advisers Act 2008) unless otherwise agreed by Goldman Sachs. **Russia:** Research reports distributed in the Russian Federation are not advertising as defined in the Russian legislation, but are information and analysis not having product promotion as their main purpose and do not provide appraisal within the meaning of the Russian legislation on appraisal activity. **Singapore:** Further information on the covered companies referred to in this research may be obtained from Goldman Sachs (Singapore) Pte. (Company Number: 198602165W). **Taiwan:** This material is for reference only and must not be reprinted without permission. Investors should carefully consider their own investment risk. Investment results are the responsibility of the individual investor. **United Kingdom:** Persons who would be categorized as retail clients in the United Kingdom, as such term is defined in the rules of the Financial Conduct Authority, should read this research in conjunction with prior Goldman Sachs research on the covered companies referred to herein and should refer to the risk warnings that have been sent to them by Goldman Sachs International. A copy of these risks warnings, and a glossary of certain financial terms used in this report, are available from Goldman Sachs International on request.

European Union: Disclosure information in relation to Article 4 (1) (d) and Article 6 (2) of the European Commission Directive 2003/126/EC is available at <http://www.gs.com/disclosures/europeanpolicy.html> which states the European Policy for Managing Conflicts of Interest in Connection with Investment Research.

Japan: Goldman Sachs Japan Co., Ltd. is a Financial Instrument Dealer registered with the Kanto Financial Bureau under registration number Kinsho 69, and a member of Japan Securities Dealers Association, Financial Futures Association of Japan and Type II Financial Instruments Firms Association. Sales and purchase of equities are subject to commission pre-determined with clients plus consumption tax. See company-specific disclosures as to any applicable disclosures required by Japanese stock exchanges, the Japanese Securities Dealers Association or the Japanese Securities Finance Company.

Ratings, coverage groups and views and related definitions

Buy (B), Neutral (N), Sell (S) -Analysts recommend stocks as Buys or Sells for inclusion on various regional Investment Lists. Being assigned a Buy or Sell on an Investment List is determined by a stock's return potential relative to its coverage group as described below. Any stock not assigned as a Buy or a Sell on an Investment List is deemed Neutral. Each regional Investment Review Committee manages various regional Investment Lists to a global guideline of 25%-35% of stocks as Buy and 10%-15% of stocks as Sell; however, the distribution of Buys and Sells in any particular coverage group may vary as determined by the regional Investment Review Committee. Regional Conviction Buy and Sell lists represent investment recommendations focused on either the size of the potential return or the likelihood of the realization of the return.

Return potential represents the price differential between the current share price and the price target expected during the time horizon associated with the price target. Price targets are required for all covered stocks. The return potential, price target and associated time horizon are stated in each report adding or reiterating an Investment List membership.

Coverage groups and views: A list of all stocks in each coverage group is available by primary analyst, stock and coverage group at <http://www.gs.com/research/hedge.html>. The analyst assigns one of the following coverage views which represents the analyst's investment outlook on the coverage group relative to the group's historical fundamentals and/or valuation. **Attractive (A).** The investment outlook over the following 12 months is favorable relative to the coverage group's historical fundamentals and/or valuation. **Neutral (N).** The investment outlook over the

following 12 months is neutral relative to the coverage group's historical fundamentals and/or valuation. **Cautious (C)**. The investment outlook over the following 12 months is unfavorable relative to the coverage group's historical fundamentals and/or valuation.

Not Rated (NR). The investment rating and target price have been removed pursuant to Goldman Sachs policy when Goldman Sachs is acting in an advisory capacity in a merger or strategic transaction involving this company and in certain other circumstances. **Rating Suspended (RS)**. Goldman Sachs Research has suspended the investment rating and price target for this stock, because there is not a sufficient fundamental basis for determining, or there are legal, regulatory or policy constraints around publishing, an investment rating or target. The previous investment rating and price target, if any, are no longer in effect for this stock and should not be relied upon. **Coverage Suspended (CS)**. Goldman Sachs has suspended coverage of this company. **Not Covered (NC)**. Goldman Sachs does not cover this company. **Not Available or Not Applicable (NA)**. The information is not available for display or is not applicable. **Not Meaningful (NM)**. The information is not meaningful and is therefore excluded.

Global product; distributing entities

The Global Investment Research Division of Goldman Sachs produces and distributes research products for clients of Goldman Sachs on a global basis. Analysts based in Goldman Sachs offices around the world produce equity research on industries and companies, and research on macroeconomics, currencies, commodities and portfolio strategy. This research is disseminated in Australia by Goldman Sachs Australia Pty Ltd (ABN 21 006 797 897); in Brazil by Goldman Sachs do Brasil Corretora de Títulos e Valores Mobiliários S.A.; in Canada by either Goldman Sachs Canada Inc. or Goldman, Sachs & Co.; in Hong Kong by Goldman Sachs (Asia) L.L.C.; in India by Goldman Sachs (India) Securities Private Ltd.; in Japan by Goldman Sachs Japan Co., Ltd.; in the Republic of Korea by Goldman Sachs (Asia) L.L.C., Seoul Branch; in New Zealand by Goldman Sachs New Zealand Limited; in Russia by OOO Goldman Sachs; in Singapore by Goldman Sachs (Singapore) Pte. (Company Number: 198602165W); and in the United States of America by Goldman, Sachs & Co. Goldman Sachs International has approved this research in connection with its distribution in the United Kingdom and European Union.

European Union: Goldman Sachs International authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority, has approved this research in connection with its distribution in the European Union and United Kingdom; Goldman Sachs AG and Goldman Sachs International Zweigniederlassung Frankfurt, regulated by the Bundesanstalt für Finanzdienstleistungsaufsicht, may also distribute research in Germany.

General disclosures

This research is for our clients only. Other than disclosures relating to Goldman Sachs, this research is based on current public information that we consider reliable, but we do not represent it is accurate or complete, and it should not be relied on as such. We seek to update our research as appropriate, but various regulations may prevent us from doing so. Other than certain industry reports published on a periodic basis, the large majority of reports are published at irregular intervals as appropriate in the analyst's judgment.

Goldman Sachs conducts a global full-service, integrated investment banking, investment management, and brokerage business. We have investment banking and other business relationships with a substantial percentage of the companies covered by our Global Investment Research Division. Goldman, Sachs & Co., the United States broker dealer, is a member of SIPC (<http://www.sipc.org>).

Our salespeople, traders, and other professionals may provide oral or written market commentary or trading strategies to our clients and principal trading desks that reflect opinions that are contrary to the opinions expressed in this research. Our asset management area, principal trading desks and investing businesses may make investment decisions that are inconsistent with the recommendations or views expressed in this research.

The analysts named in this report may have from time to time discussed with our clients, including Goldman Sachs salespersons and traders, or may discuss in this report, trading strategies that reference catalysts or events that may have a near-term impact on the market price of the equity securities discussed in this report, which impact may be directionally counter to the analyst's published price target expectations for such stocks. Any such trading strategies are distinct from and do not affect the analyst's fundamental equity rating for such stocks, which rating reflects a stock's return potential relative to its coverage group as described herein.

We and our affiliates, officers, directors, and employees, excluding equity and credit analysts, will from time to time have long or short positions in, act as principal in, and buy or sell, the securities or derivatives, if any, referred to in this research.

The views attributed to third party presenters at Goldman Sachs arranged conferences, including individuals from other parts of Goldman Sachs, do not necessarily reflect those of Global Investment Research and are not an official view of Goldman Sachs.

Any third party referenced herein, including any salespeople, traders and other professionals or members of their household, may have positions in the products mentioned that are inconsistent with the views expressed by analysts named in this report.

This research is not an offer to sell or the solicitation of an offer to buy any security in any jurisdiction where such an offer or solicitation would be illegal. It does not constitute a personal recommendation or take into account the particular investment objectives, financial situations, or needs of individual clients. Clients should consider whether any advice or recommendation in this research is suitable for their particular circumstances and, if appropriate, seek professional advice, including tax advice. The price and value of investments referred to in this research and the income from them may fluctuate. Past performance is not a guide to future performance, future returns are not guaranteed, and a loss of original capital may occur. Fluctuations in exchange rates could have adverse effects on the value or price of, or income derived from, certain investments.

Certain transactions, including those involving futures, options, and other derivatives, give rise to substantial risk and are not suitable for all investors. Investors should review current options disclosure documents which are available from Goldman Sachs sales representatives or at <http://www.theocc.com/about/publications/character-risks.jsp>. Transaction costs may be significant in option strategies calling for multiple purchase and sales of options such as spreads. Supporting documentation will be supplied upon request.

All research reports are disseminated and available to all clients simultaneously through electronic publication to our internal client websites. Not all research content is redistributed to our clients or available to third-party aggregators, nor is Goldman Sachs responsible for the redistribution of our research by third party aggregators. For research, models or other data available on a particular security, please contact your sales representative or go to <http://360.gs.com>.

Disclosure information is also available at <http://www.gs.com/research/hedge.html> or from Research Compliance, 200 West Street, New York, NY 10282.

© 2015 Goldman Sachs.

No part of this material may be (i) copied, photocopied or duplicated in any form by any means or (ii) redistributed without the prior written consent of The Goldman Sachs Group, Inc.