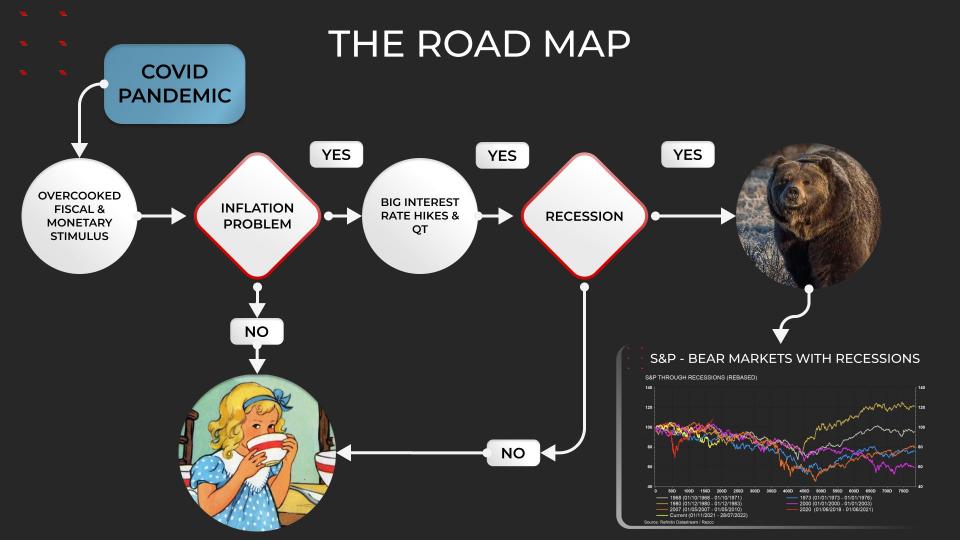
REZCO



ROB SPANJAARD | CIO

BRIAN DU PLESSIS | HEAD OF MARKETING

SIMON SYLVESTER | CO-PM & HEAD OF RESEARCH





◆ WSJ NEWS EXCLUSIVE

Recession Fears Surge Among CEOs, Survey Suggests

More than 60% of executives see a recessionary period in next 12 to 18 months, according to the Conference Board survey

Concerns including energy costs, supply-chain snarls and China's pandemic lockdowns are contributing to CEOs' sense that a recession is likely. BING GUAN/BLOOMBERG NEWS

Bloomberg Africa Edition V • Live Now Markets Technology Politics Wealth Pursuits Opinion Businessweek Equality Green CityLab

Wealth Investing

Inflation or Recession: Which Should You Fear More?

Wall Street recession fears stoked by patchy US economic data

Markets expect the Fed to continue raising rates this year before changing course in 2023

Bloomberg Africa Edition - Line Norm | Markets | Technology | Politics | Wealth | Pursuits | Opinion | Businessmenk | Equality | Green Business Economics | Germany 'on Brink of Recession' as

Business Confidence Falls

■ Ifo expectations index declined to 80.3 in July; est. 83.0

■ Fuest says firms expect significantly worse conditions ahead

Oil prices turn sharply lower on fears recession will undercut demand

US crude futures settle below \$100 a barrel in broad commodities sell-off

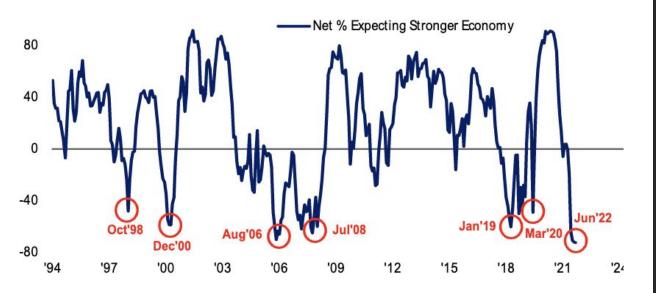


Oil and gas stocks accounted for nine of the 10 biggest decliners in the S&P 500 index on Tuesday © Reuters

BUY WHEN EVERYONE IS FEARFUL?

Chart 2: Optimism on global growth falls to a new low

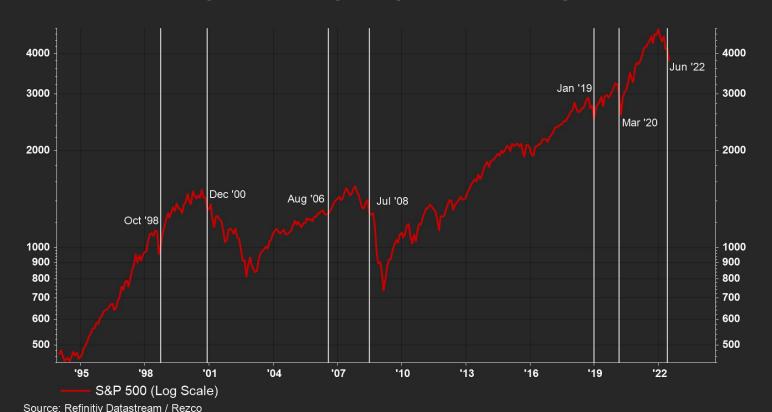
FMS net % expecting stronger economy



Source: BofA Global Fund Manager Survey

BofA GLOBAL RESEARCH

FEAR IS A DANGEROUS MEASURE OF VALUE OR TIMING

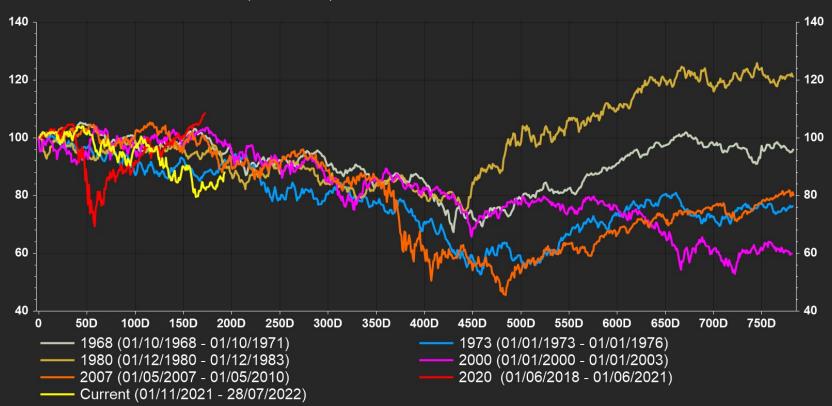


IS THAT ENOUGH PAIN FOR NOW?



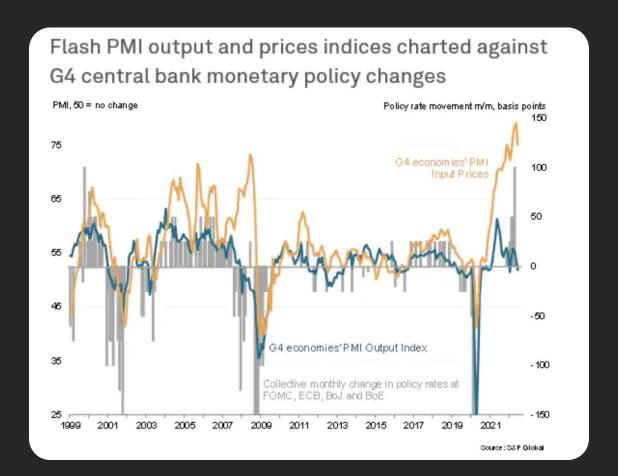
S&P - BEAR MARKETS WITH RECESSIONS

S&P THROUGH RECESSIONS (REBASED)

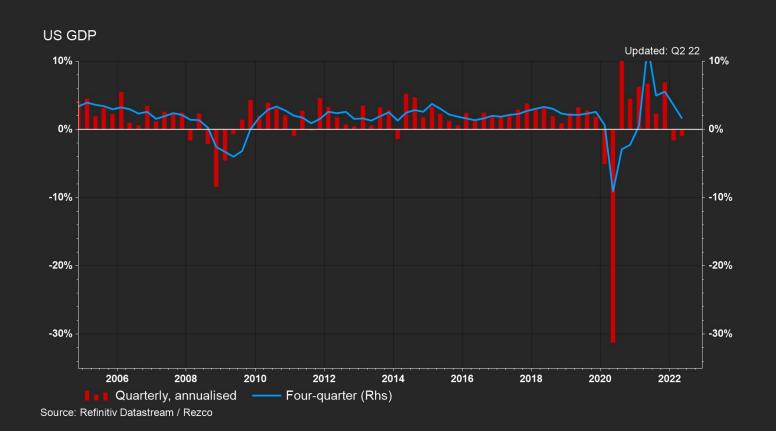




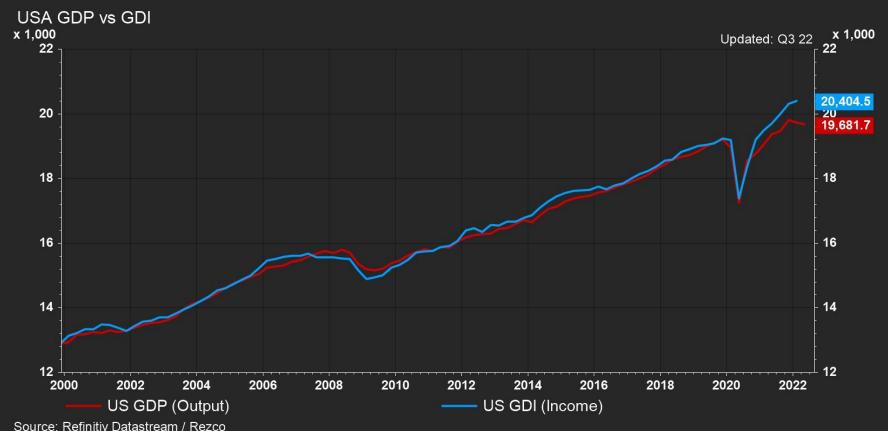
BIG 4 ECONOMIES: HIKING RATES INTO WEAK PMI'S



USA GDP: TECHNICALLY IN A RECESSION



US INCOMES STILL STRONG (TO Q1 2022)

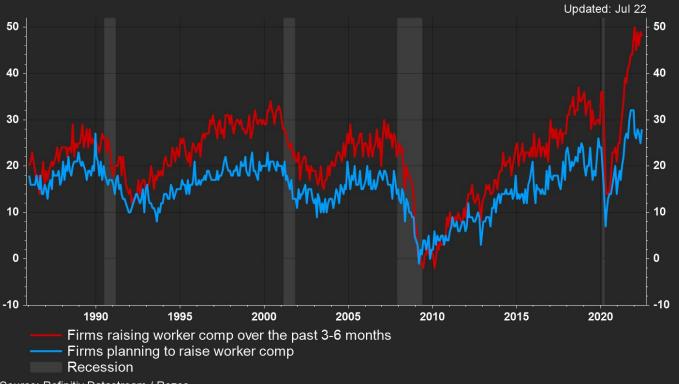


HOUSING BOOMING (BUT SENTIMENT HAS COOLED)

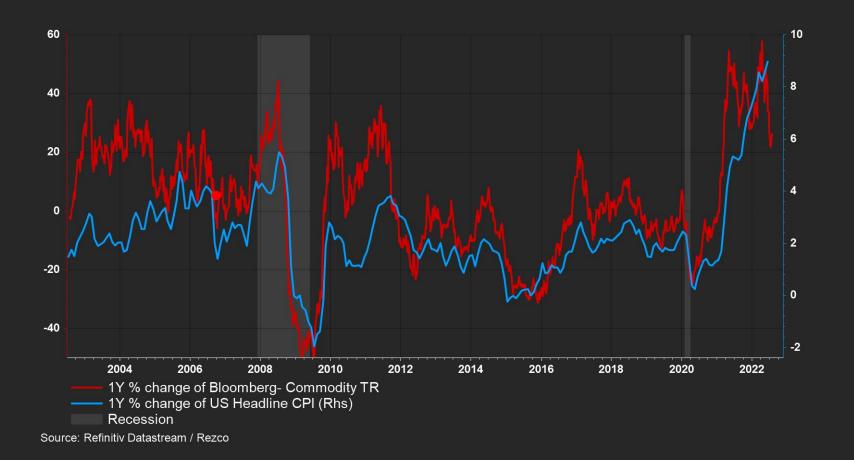


WAGE INCREASES KEEP THE FED UNDER PRESSURE

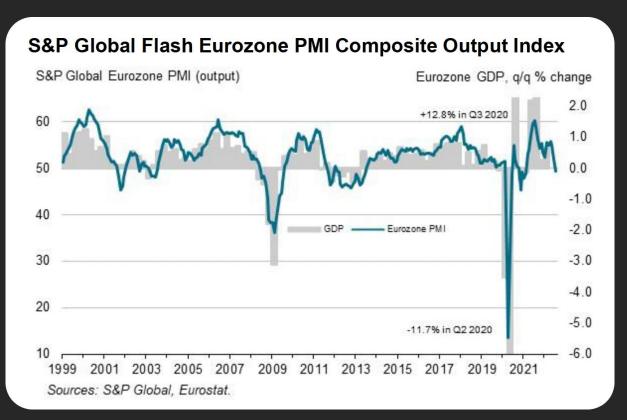




COMMODITY PRICES ARE CORRECTING



EUROPE'S ECONOMY IS ALSO COOLING BUT NOT INFLATION

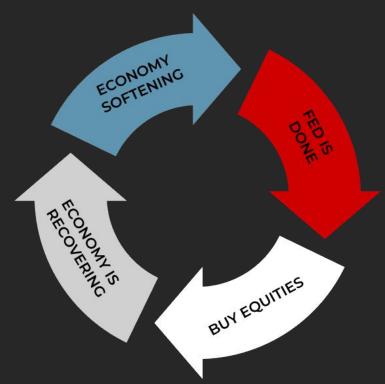


THE FED IS NOT DONE

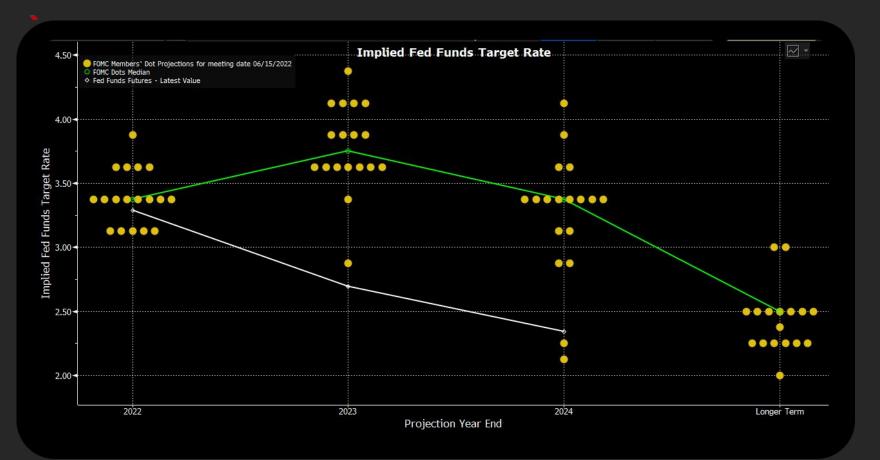
FED LESSONS:

- 70's risk of taking foot off brakes too early
- 80's getting inflation under control is expensive
- 2020 printing money has a cost, proceed with caution

Warning: Circular Logic



THE MARKET IS BETTING AGAINST THE FED



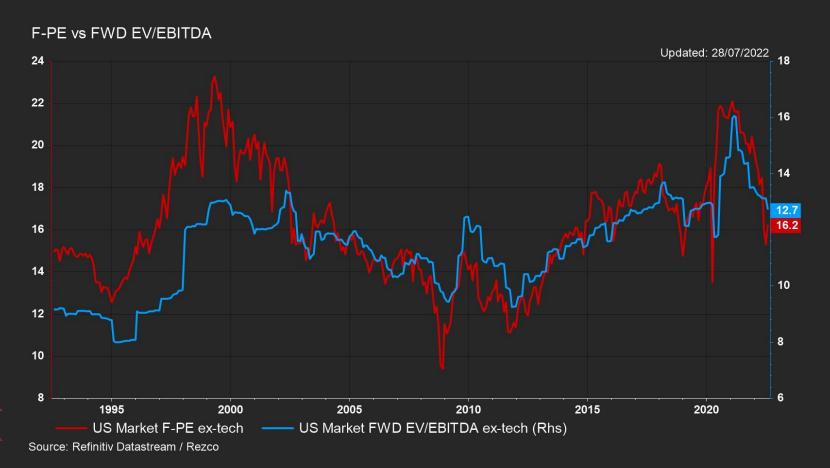
THE TARGET IS 2% (NOT 4%)

US HEADLINE CONSUMER PRICE INFLATION





MARKETS VALUATIONS HAVE NORMALISED

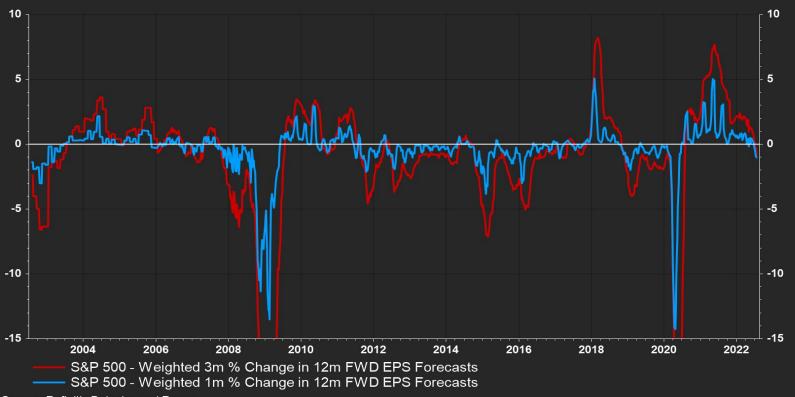


FORECASTS ARE ALWAYS SLOW TO ADJUST



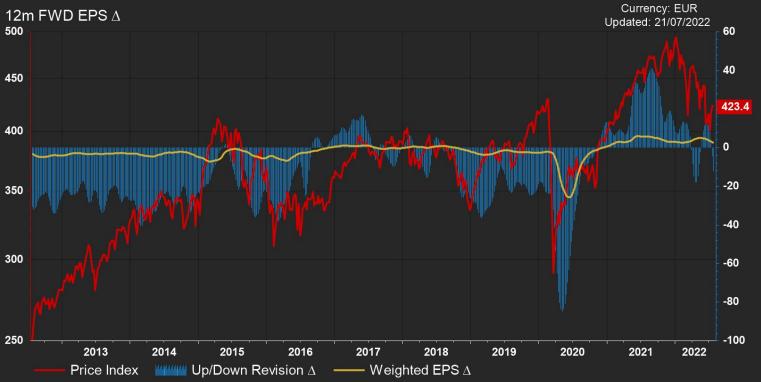


NEGATIVE EARNINGS REVISIONS JUST GETTING STARTED



ANALYSTS DON'T INCLUDE TAIL RISKS IN THEIR FORECASTS

IBES STOXX EUROPE 600



MARKETS ARE UNFORGIVING: FALLING EARNINGS COME WITH DECREASING VALUATIONS

	Soft Landing	Recession
MARKET PE	-5%	-12%
PROFIT MARGIN (EARNINGS)	-10%	-20%
POTENTIAL MARKET MOVE	-15%	-32%

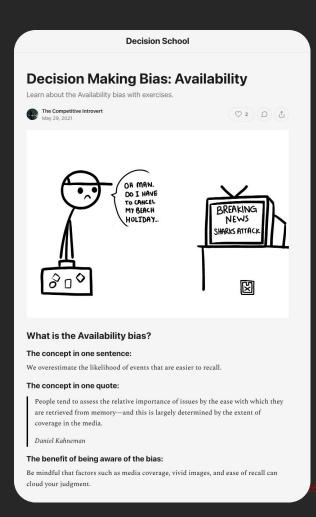
WHEN TO BUY?

" WE OVERESTIMATE THE LIKELIHOOD OF EVENTS THAT ARE EASIER TO RECALL.

NOT A REPEAT OF THE COVID V-SHAPED

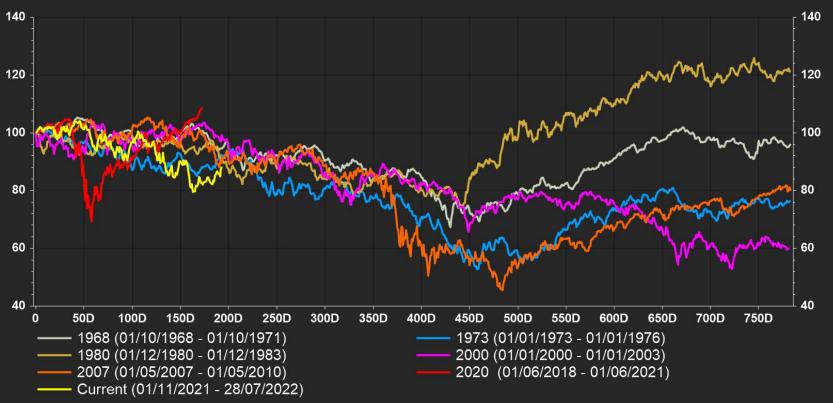
THE ECONOMIC ADJUSTMENTS WILL TAKE TIME TO PLAY OUT

PATIENCE & OPPORTUNITIES THROUGH VOLATILITY & DRAWDOWNS



S&P - BEAR MARKETS WITH RECESSIONS

S&P THROUGH RECESSIONS (REBASED)





REZCO GLOBAL FLEXIBLE - UP IN A TOUGH MARKET

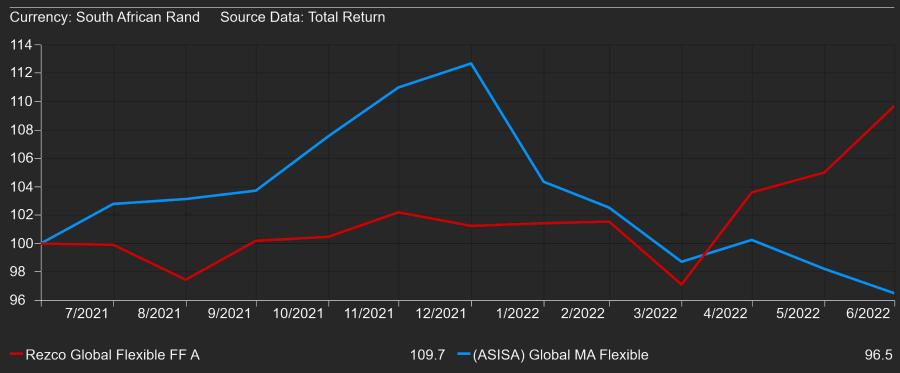
Investment Growth (All in US\$)



Source: Morningstar Direct

REZCO GLOBAL FEEDER FUND - 1 YEAR

Time Period: 7/1/2021 to 6/30/2022



Source: Morningstar Direct

OPPORTUNITY: MAN & MACHINE SEGREGATED EQUITY PORTFOLIO



OPPORTUNITY: REZCO COMMODITY SEGREGATED PORTFOLIO





BIG MODELS ARE ESSENTIAL BUT ALSO NEED MARKET SAVVY

SD Ex-ante (mb/d)

SD Russia-Ukraine Invasion (mb/d)



SD Recession (mb/d)

31.66

10.75

34.29

33.46

10.44

35.43

	2021	2022	2023
Supply / (Deficit)	-1.45	-0.24	-0.04
Demand	97.41	101.82	103.04
Supply	95.96	101.58	103.00
US	18.62	19.74	
		1,000,000	The Real Property lies and the least of the

	2021	2022	2023
Supply / (Deficit)	-1.75	-1.62	-1.00
Demand	97.33	100.62	102.45
Supply	95.58	99.00	101.45
The state of the s	18.88	20	

31.66

10.75

34.29

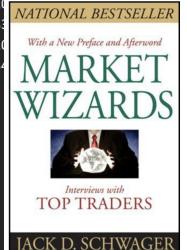
	2021	2022	2023
Supply / (Deficit)	-1.75	-0.18	1.84
Demand	97.33	99.94	99.87
Supply	95.58	99.76	101.71
	18.88	20.43	21.11

OPEC 30.69 33.29 11.56 Russia 10.81 RoW 35.84 37.00

THE INTELLIGENT INVESTOR

BENJAMIN GRAHAM





Source: EIA, Rezco

35.84

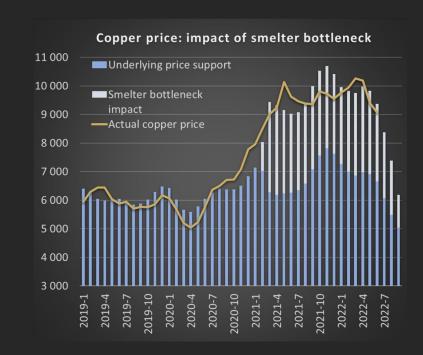
9.77

34.99

OPPORTUNITY:

The market thought copper an inflation hedge but actually supported by a smelter outage





HEAT SIGNATURES OF SMELTERS CAN BE TRACKED THROUGH SATELLITE DATA



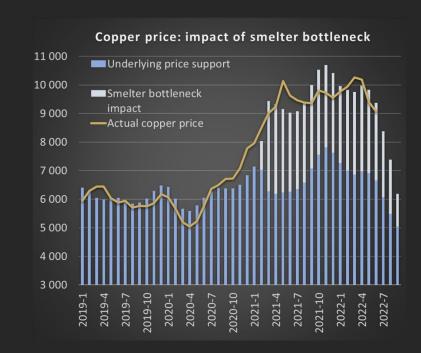
MODELLED EACH SMELTER TO GET A GLOBAL VIEW

A	В	С	D	E	F	M	N	0	P	Q	R	S	T	U	V	W	Х	γ	Z	AA
										production										
						1	% Reduction a	0%	0%	0%	0%	30%	8%	6%	0%	0%	0%	0%	0%	0%
							Year	2021	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	202
	Smelter(s)	Operator	Start date	End date	Conc Capacity (k:	Month	12	1	2	3	4	5	6	7	8	9	10	11	12
	Zijin, Serbian smelter in	Zijin Copper	20/04/2022	20/07/2022	113			113	113	113	113	75	0	.0	34	118	113	113	113	113
	2	Fangyuan Nonferrous Metals		01/11/2021	300							300	300	300	300	300	300	300	300	300
	1	Shandong Dongying Fangyuan	Dec 2019?		400			300	300	300	300	300				400	400	400	400	400
	klangguang smeiter in Shandong	Xiangguang	18/03/2022		500	htt	11 May - now											500	500	50
	Olympic Dam Smelter	ВНР	?	Mid Jan 2022	200		dermound	56						200	200	200	200	200	200	20
	Aurubis Hamburg	Aurubis	04/05/2022	28-Jun-22	330			330	330	330	330	330	17	33	380	330	330	330	330	33
	Old smelter	Daye Non-ferrous	May 2022		600			600	600	600	600	600	552		600	600	600	600	600	60
	New smelter	Daye Non-ferrous			400	ugu	st at the earlies	0	0	0	0	0	0		0)	100	340	400	400	40
		Zijin Copper	May 2022		300			300	300	300	300	300	276	282	300	300	300	300	300	30
	Heilongijang Zijin Copper	Zijin Copper	May 2022		150			150	150	150	150	150		141	150	150	150	150	150	15
-		Zijin Copper	May 2022		130	1		130	130	130	130	130		122	130	130	130	130	130	13
		Zijin Copper	May 2022		580			580	580	580	580	580		545	580	580	580	580	580	58
	A CONTRACTOR OF THE PARTY OF TH	Fuye Group	April 2022		420			420	420	420	420	357		420	470	520	520	520	520	52
	CICC	CICC	April 2022		200			200	200	200	200	140		200	200	200	200	200	200	20
Н	Total Chifeng Yuntong	Chifeng Yuntong	May 2022		200			200	200	200	200	200		188	200	200	200	200	200	20
	Total Tongling Non-ferrous		May 2022		1000	be	put into operati	1000	1000	1000	1000	1000		940	A DOOR	1150	1150	1150	1150	115
		Chinalco	May 2022		400			400	400	400	400	400		376	400	400	400	400	400	40
		Glencore		20 June rebrio				300	300	300	300	300		0	180	300	300	300	300	30
	Huelva	Atlantic Copper	Somewhere	10-Jun-22	284			284	284	284	284	284	142	142	284	284	284	284	284	28
	Ventanas	Codelco	18-Jun-22	Was going to	90	and	then close ove	90	90	90	90	90	90							
	Unknown large smelter in Asia		Early June 20	022 (assume 7	500			500	500	500	500	500	500			500	500	500	500	50
	Refined production:																			
	Sub total for known smelter	ktpa						5943	6017	6107	5957	5636	4912	4879	6164	6677	6917	6977	6977	69
-		ktpa						19401	19771	17077	20515	20224	20528	20117	20318	20522	20727	21141	21141	211
		%							1.9%	-13.6%	20.1%	-1.4%	1.5%	-2.0%	1.0%	1.0%	1.0%	2.0%	0.0%	0.0
		ktpa						25344	25788	23184	26472	25860	25440	24996	26482	27199	27644	28118	28118	281
	Index					1		48.2	49.0	44.1	50.3	49.2	49.4	48.5	51.4	52.8	53.7	54.6	54.6	54
	Defined monthly (de	l.s.						2112	2140	1022	2200	2455	2120	2002	2207	2267	2204	2242	2242	22
	Refined monthly (de-annua	KE						2112	2149	1932	2206	2155	2120	2083	2207	2267	2304	2343	2343	23
												Historica	l precede	nts:						
	Judging from the production														Chinese :	melters c	losed for	maintena	ance, due	to lo
	Jinchuan and Nanguo have	started their maintena	nce, which ha	s a greater im	pact on	1										: Chinalco				

OPPORTUNITY:

The market thought copper an inflation hedge but actually supported by a smelter outage

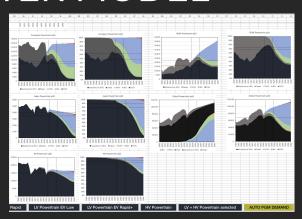


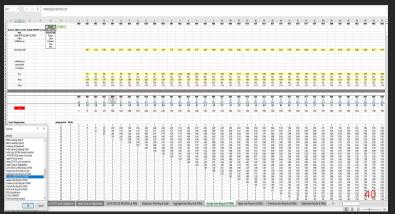




PGM S&D: STEP ONE: BUILD A MONSTER MODEL

- 1000's of ROWS OVER 40 YEARS
- MADE UP OF 100 WORKSHEETS, 40
 MB
- EVERY TYPE OF AUTO TYPE,
 COUNTRY
- LOADING OF PLAT, PALLADIUM AND RHODIUM IN THE AUTO CAT FOR EACH TYPE
- VARIOUS SCENARIOS FOR ELECTRIC VEHICLE PENETRATION





HEADWINDS FOR PGMs

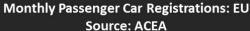
PGM Demand is a function of auto production accounting for:

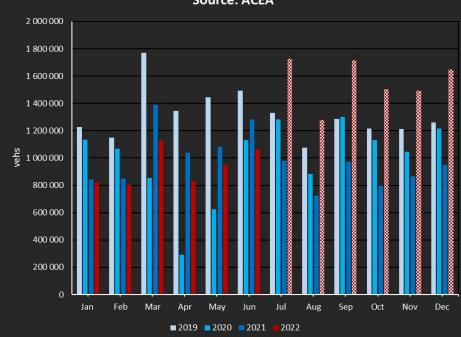
- Powertrain Split
- Engine Displacement
- Loading factors (Regional Regulations)
- Pt to Pd substitution
- Global GDP Growth

PGM Supply:

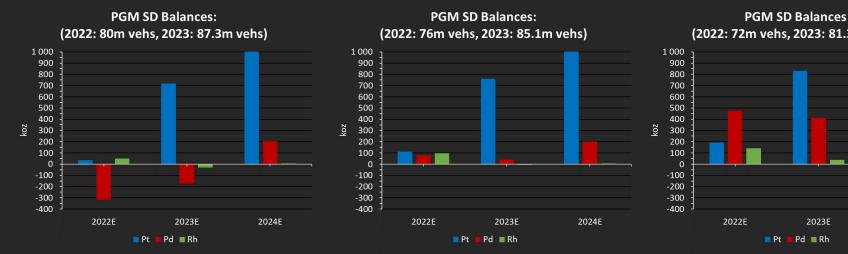
- Per mine production forecast
- New sales impacting recycling volumes

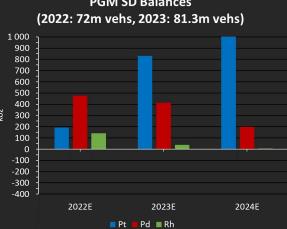
MARKET CONSENSUS IS CALLING AUTO PRODUCTION WRONG





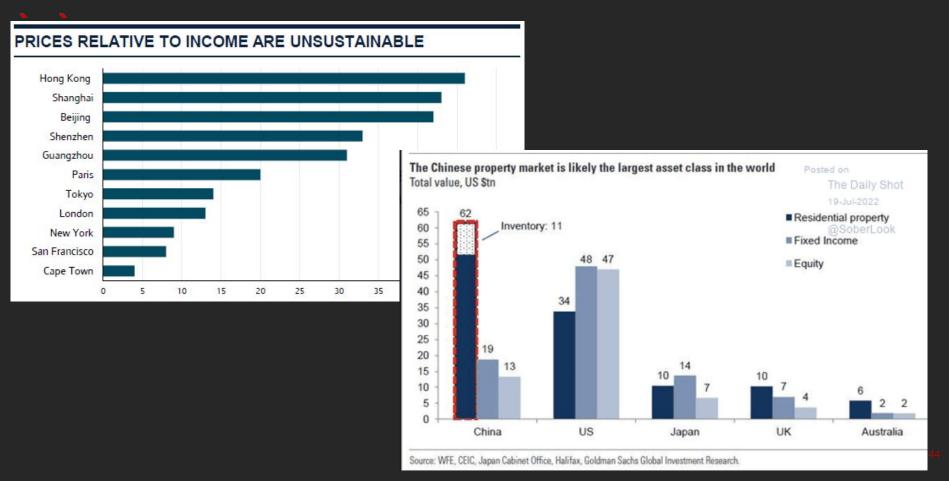
STEP 2: PUT IN THE MACRO ASSUMPTIONS **GLOBAL PGM S&D**





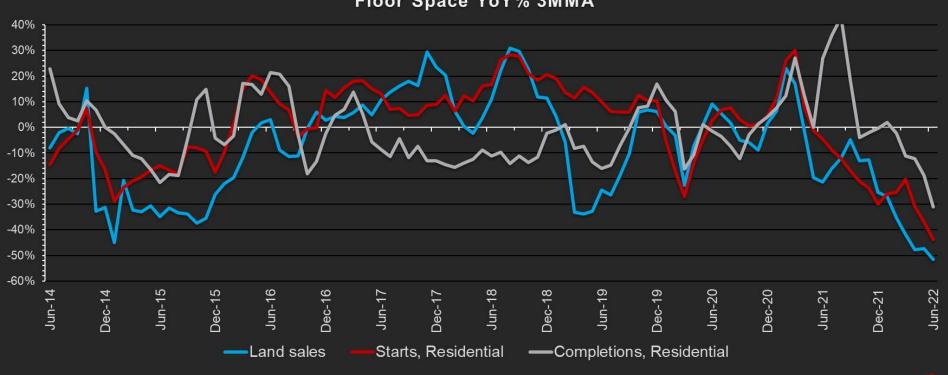


CHINA'S HOUSE OF CARDS



CHINA HAS SERIOUS PROBLEMS RESEMBLING JAPAN & GFC

Floor Space YoY% 3MMA



FINANCIAL TIMES

IS COMPANIES TECH MARKETS CLIMATE OPINION WORK & CAREERS LIFE & ARTS HTSI

US foreign policy (+ Add to myFT

Nancy Pelosi's plan to visit Taiwan prompts outrage from China

Trip will be first in 25 years by a Speaker of the US House of Representatives



Nancy Pelosi would be the most senior US lawmaker to visit Taiwan since one of her predecessors as Speaker, Republican Newt Gingrich, did so in 1997 © Ethan Swope/San Francisco Chronicle/AP

Demetri Sevastopulo in Washington and **Kathrin Hille** in Lisbon JULY 19 2022



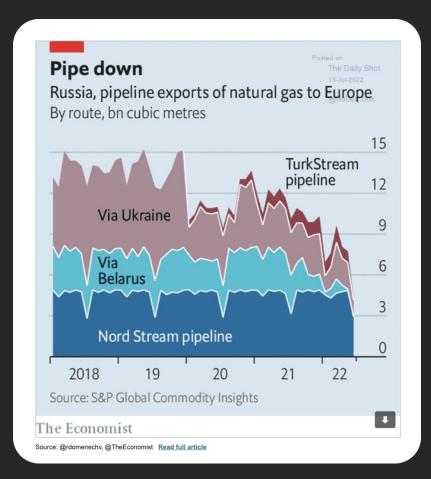




EUROPEAN INFLATION, INTEREST RATES & ENERGY CRISIS



EUROPE'S ENERGY CRISIS



EASTERN EUROPE IS NOT THE EUROZONE

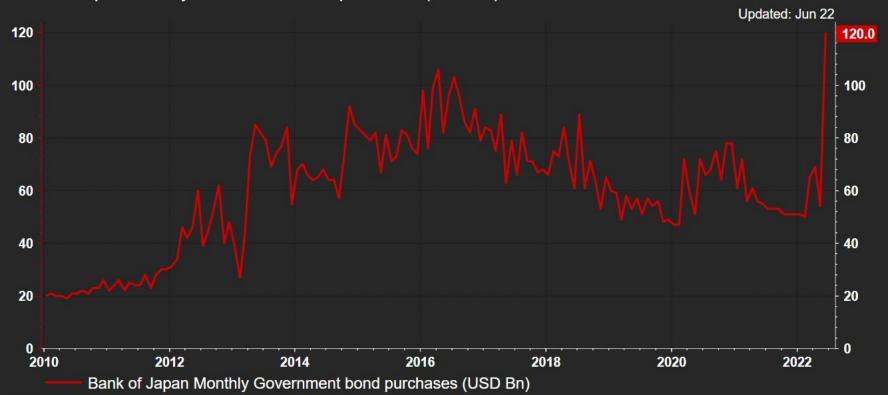




Source: Refinitiv Datastream / Rezco

JAPAN IS NOT NEW NEWS, IS IT?

Bank of Japan Monthly Government bond purchases (USD Bn)



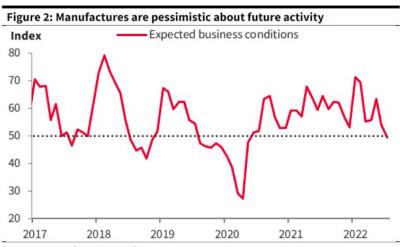
Source: Refinitiv Datastream / Rezco

SA LOOKING WORSE UNDER THE HOOD

Figure 1: Load shedding weighed on activity in the manufacturing sector

	Wgt.	Mar- 22	Apr- 22	May- 22	Jun- 22	Jul- 22
Manufacturing PMI*		60.00	50.70	54.80	52.2	47.6
Business activity*	0.2	60.50	39.60	49.30	46.0	39.8
New sales orders*	0.2	61.70	43.60	58.50	46.3	35.4
Employment*	0.2	48.50	51.50	49.90	51.7	47.0
Suppliers' performance*	0.2	67.30	63.50	55.80	65.8	55.1
Inventories*	0.2	62.10	55.30	60.60	51.2	60.8
Purchasing commitments		58.20	50.00	53.10	45.7	45.4
Expected business conditions	-	55.10	55.70	63.30	53.8	49.4
Backlog of sales orders	*	41.80	40.60	41.90	39.9	37.0
Prices	-	95.90	89.60	88.10	89.8	87.5

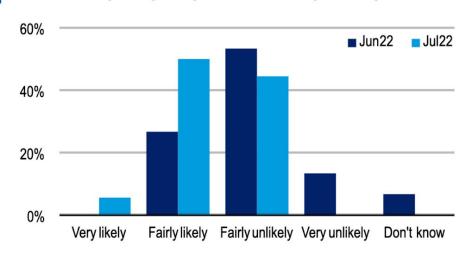
^{*}seasonally adjusted; Source: BER, Absa Research



SA MANAGERS EXPECTATIONS OF RECESSION MOVING FAST



A net 11% say 'fairly likely' (net 40% 'fairly unlikely' in June). | Net 72% want to invest abroad (20%)



Source: BofA Global Research, S. Africa Fund Manager Survey, July 2022



WHY REZCO CAN COMPETE GLOBALLY

SIZE IS NO ADVANTAGE IN ASSET MANAGEMENT

REZCO'S COMPETITIVE ADVANTAGE:

MANAGERS WITH A HIGH ACTIVE SHARE OUTPERFORM

Prominent managers often closet index

WORLD-CLASS TECH

- Man & Machine
- Risk Management

MACRO

Take a view on global risk to protect capital

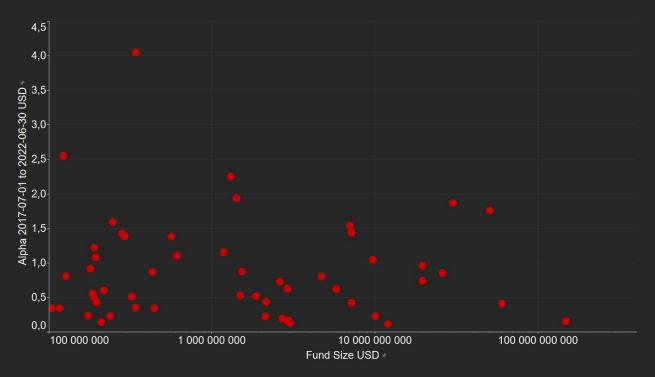
CAN SMALL SA MANAGERS COMPETE GLOBALLY

THE RESEARCH IS CLEAR:

- 1. "As fund size grows, performance suffers."
- 2. "[Bureaucratic] organizational features affect performance adversely."

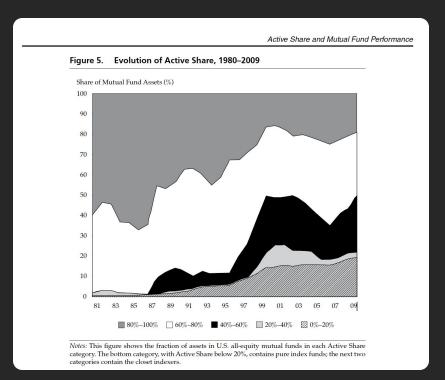
SOURCE: Chen, Joseph, Harrison Hong, Ming Huang and Jeffrey D. Kubik. 2004. "Does Fund Size Erode Mutual Fund Performance? The Role of Liquidity and Organization." American Economic Review, 94(5):1276-1302.

MORE SMALL FUNDS THAN BIGGER FUNDS OUTPERFORM



Source: Morningstar | Category: US Large Fund Blend | Alpha > 0.1

TRUE ACTIVE MANAGERS ARE SCARCE BUT ADD VALUE

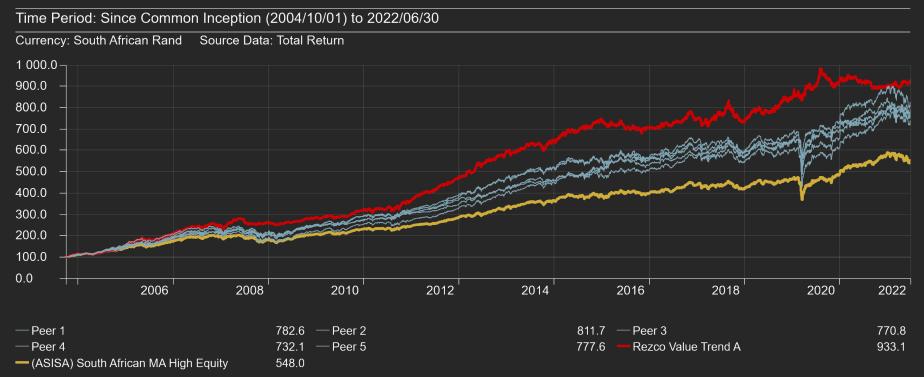


FUND PERFORMANCE JANUARY 1990 - DECEMBER 2009							
GROUP	LABEL	GROSS RETURN: BENCHMARK ADJUSTED					
5	Stock Pickers	2.61					
1	Closet Indexers	0.44					
5 - 1	Difference	2.17					



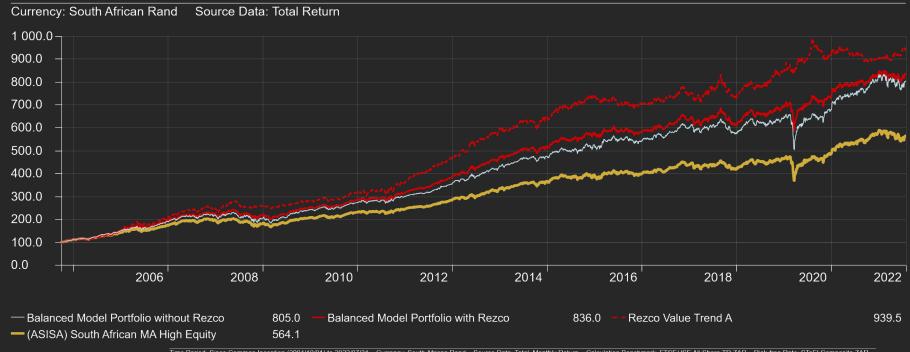
THE ROLE REZCO PLAYS IN YOUR PORTFOLIO

Investment Growth



Investment Growth





Source: Morningstar Direct

Time Period: Since Common Inception (2004/10/01) to 2022/07/31 Currency: South African Rand Source Data: Total, Monthly Return Calculation Benchmark: FTSE/JSE All Share TR ZAR Risk-free Rate: STeFl Composite ZAR

Down Up Sharpe Sorting

	Std Dev	Down Capture Ratio	Up Capture Ratio	Sharpe Ratio	Sortino Ratio
Balanced Model Portfolio with Rezco	8.2	32.6	59.8	0.7	1.1
Balanced Model Portfolio without Rezco	8.9	37.6	61.7	0.6	1.0

HELPS YOU THROUGH THE STORM: 2008 GFC CRISIS

Investment Growth



HELPS YOU THROUGH THE STORM: CORONA CRASH

Investment Growth

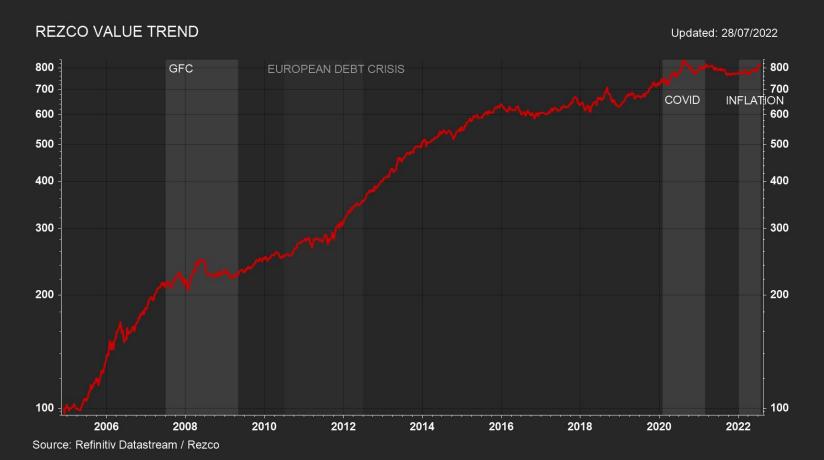


HELPS YOU THROUGH THE STORM: 2022 YTD

Investment Growth

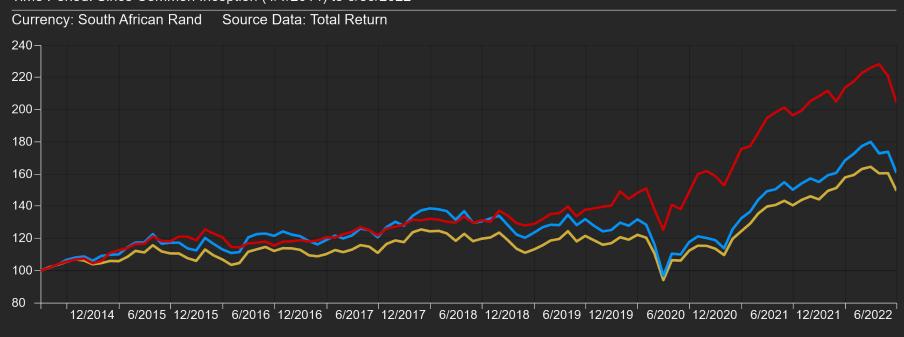


TRACK RECORD OF MANAGING THROUGH CRISES



REZCO EQUITY FUND SINCE INCEPTION

Time Period: Since Common Inception (4/1/2014) to 6/30/2022



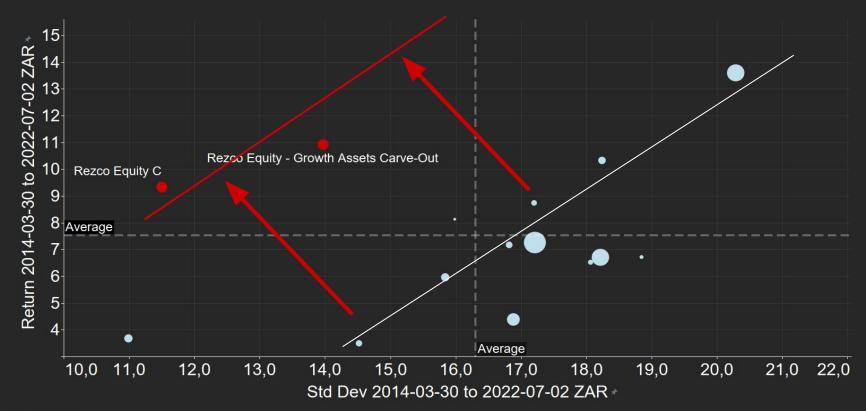
Rezco Equity A

204.2 - FTSE/JSE Capped SWIX All Share TR ZAR

60.7 — (ASISA) South African EQ General

149.6

REZCO EQUITY FUND: RISK MANAGED STOCK PICKING



REZCO SOLUTIONS

	FUND USAGE	THE SOLUTION
REZCO EQUITY	Investors who need to be in SA Equity but are worried about the macro risks.	Risk managed high conviction stock picking. YTD: Down less than peers.
REZCO VALUE TREND	Investors are concerned about the risk of capital loss in the Reg 28 space but want the Fund Manager to make the asset allocation call. Equity ranges from 0% to 75%.	Long-term track record of managing through crises. YTD: Fund up through the crisis.
REZCO GLOBAL FLEXIBLE & REZCO GLOBAL FEEDER	Investors looking for global flexible asset allocation where the Fund Manager makes the asset allocation between equities, bonds and cash.	Fund performing well through a falling market - hedged equity has been a good strategy. YTD: Fund positive in USD.



KEEP AN EYE OUT FOR OUR VIDEO UPDATES

