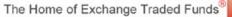
# ETFs 101 An Introduction to Exchange Traded Products (ETPs)

Presentation at myShare Investment Day 13<sup>th</sup> October 2012 Mike Brown Managing Director etfSA.co.za





# What Are Exchange Traded Products (ETPs)?

 They are securities listed and traded on the JSE just like any other listed product.



# What Are Exchange Traded Products (ETPs)?

### Prices from "The Star" newspaper (3 Oct 2012)

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# What Are Exchange Traded Products (ETPs)?

- They offer access to a **basket or portfolio** of listed companies and **not** just a **single** company.
- The portfolios either:
  - Track an index of shares or bonds, or
  - They offer the return of an asset class or bundle of shares.



### What is An Index?

Index Weights – Basket of Constituents (as at October 2012) FTSE/JSE Top 40 Index

	Market Cap Weighted (%)	Equally Weighted (%)		Market Cap Weighted (%)	Equally Weighted (%)
Absa Group Limited	1,16	2,5	Capital Shop Centres Grp	0,68	2,5
African Rainbow Minerals	0,31	2,5	Compagnie Fin Richemont	6,34	2,5
Anglo Platinum Ltd	0,74	2,5	Exxaro Resources Ltd	0,52	2,5
Anglo American Plc	8,06	2,5	Firstrand Ltd	2,77	2,5
Anglo Gold Ashanti Ltd 2,52		2,5	Gold Fields Ltd	1,79	2,5
Aspen Pharmacare Hldgs	1,15	2,5	Growthpoint Properties Ltd	1,01	2,5
Assore Ltd	0,32	2,5	Harmony Gold Mining Co	0,67	2,5
BHP Billiton Plc	13,04	2,5	Impala Platinum Holdings	2,02	2,5
Bidvest Group Ltd 1,57 2,5		2,5	Imperial	0,90	2,5
British American Tobacco	2,3	2,5	Investec Ltd	0,34	2,5



### What is An Index? (continued)

Index Weights – Basket of Constituents (as at October 2012) FTSE/JSE Top 40 Index							
	Market Cap Weighted (%)	Equally Weighted (%)		Market Cap Weighted (%)	Equally Weighted (%)		
Investec Plc	0,75	2,5	RMB Holdings Ltd	0,92	2,5		
Kumba Iron Ore Ltd	1,07	2,5	SABMiller Plc	10,82	2,5		
Massmart	0,42	2,5	Sanlam Ltd	1,65	2,5		
Mondi Ltd	0,23	2,5	Sasol Ltd	5,50	2,5		
Mondi Plc	0,72	2,5	Shoprite Holdings Ltd	2,30	2,5		
Mr Price Group Ltd	0,78	2,5	Standard Bank Group Ltd	3,85	2,5		
MTN Group	6,77	2,5	Steinhoff International Hldg	1,09	2,5		
Naspers Ltd -N-	5,07 2,5		Tiger Brands Ltd	0,91	2,5		
Nedbank Group Ltd 1,08 2,4		2,5	Truworths	1,04	2,5		
Old Mutual Plc 2,70		2,5	Vodacom Group	1,07	2,5		
Remgro Ltd	1,52	2,5	Woolworths Holdings Ltd	1,23	2,5		

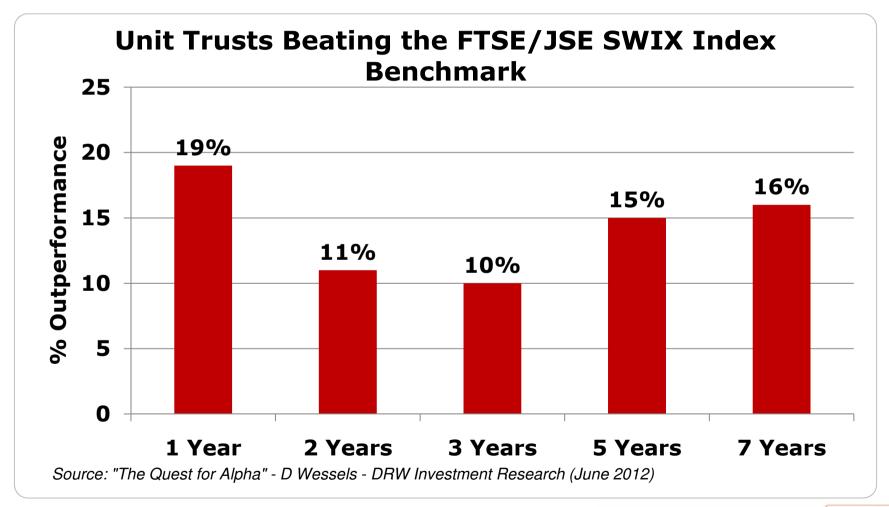


# What Are Exchange Traded Products (ETPs)? (continued)

- They are **passive** investments they merely replicate the performance of an index or basket of shares.
- Unlike active investments where the asset manager attempts to outperform the index or market benchmark performance.



## Why You Should Be Using ETFs/ETNs





### Why Buy An Index Tracker?

- You buy one ETF and own a whole portfolio of index shares:
  - Reduce your risk by diversifying your portfolio
  - Enhance performance potential
  - Lower your costs you only pay brokerage and JSE costs once, not for every share in the portfolio.
- So you own say 40 shares but you only pay to buy one share.



### Types of Exchange Traded Products: 1) Exchange Traded Funds (ETFs)

- Track an index
- The Stock Exchange selects the index shares.
- The ETF replicates the index portfolio by owning the index constituents in exactly the weighting stipulated by the Stock Exchange.
- Are Collective Investment Schemes
- Physically hold all index constituent shares in a Trust, which is insolvency remote and managed by an independent Trustee.
- Effectively are unit trusts listed on the JSE.





### Types of Exchange Traded Products: 2) Exchange Traded Notes (ETNs)

- Typically provide the total returns of an asset or asset class that can be accessed more efficiently through a futures or forward contract.
- ETNs often provide exposure to assets not otherwise easily accessible, i.e. commodities, currencies, asset baskets.
- The issuer of the ETN has the obligation to provide the total return of the asset tracked by the ETN.
- This obligation effectively makes ETNs debt instruments and therefore the creditworthiness of the issuer has to be taken into account.
- ETNs are securities traded on the JSE, but are not Collective Investment Schemes.



### What Are The Advantages of ETPs?

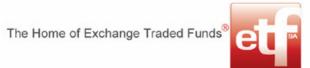
Complete Transparency	<ul> <li>Listed on the JSE, pricing is done on the market and is know to every investor.</li> <li>Underlying portfolio is published daily.</li> <li>Settlement, trading, registration, transfer done through JSE/STRATE – fully centralised electronic, failsafe and cost effective.</li> </ul>
Instant Liquidity & Tradeability	<ul> <li>ETPs are like normal shares. Can be bought or sold at any time through the JSE</li> <li>Market makers and open-ended structures cater for large trades.</li> </ul>
<b>Passive Investments</b>	<ul> <li>An index always contains the premium shares/assets in the market.</li> <li>Index measures the average performance (BETA) of the market.</li> </ul>

Continued/...



# What Are The Advantages of ETFs?

Diversification	Diversified portfolio.
	<ul> <li>Provides full exposure to blue chip shares/ assets.</li> </ul>
	<ul> <li>Reduces risk/volatility.</li> </ul>
	• Ensures benchmark performance.
	• Can be easily hedged.
Very Cost Efficient	• Average costs one-third of unit trusts.



# **Total Expense Ratios (TERs)**

ETFs	Basis Points				
BIPS Top 40	0,21	(0,21%)			
Stanlib Top 40	0,19	(0,19%)			
BettaBeta EWT 40	0,39	(0,39%)			
Satrix 40	0,45	(0,45%)			
Average of all local ETFs	0,55	(0,55%)			
Unit Trusts					
Average General Equity Funds	1,62	(1,62%)			
Average Value Funds	1,75	(1,75%)			
Average Growth Funds	1,54	(1,54%)			
<ul> <li>Total Expense Ratios (TERs) measures the cost (annualised) of providing the product.</li> <li>TER is included in the price of the product.</li> <li>Source: ASISA – Quarterly Unit Trust Survey (June 2012).</li> </ul>					



### Monthly ETP Performance Survey – September 2012

etfSA.co.za Monthly Performance Survey Best Performing Index Tracker Funds – 28 September 2012 (Total Return %)*							
Fund NameType5 Years (per annum)Fund NameType3Fund NameTypeannum)annumannumannum							
NewGold	ETF	22,79%		NewGold	ETF	25,47%	
Prudential Property Enhanced	Unit Trust	14,99%		Prudential Property Enhanced Index Fund	Unit Trust	24,06%	
Satrix INDI 25	ETF	14,17%		Satrix INDI 25	ETF	23,98%	
Proptrax SAPY	ETF	13,41%		Proptrax SAPY	ETF	22,08%	
		2 Years (per annum)				1 Year	
Standard Bank Silver-Linker	ETN	36,31%		NewFunds eRAFI FINI 15	ETF	38,78%	
NewGold	ETF	27,55%		Prudential Property Enhanced Index Fund	Unit Trust	36,36%	
Standard Bank Gold-Linker	ETN	25,37%		Proptrax TEN	ETF	33,50%	
Satrix INDI 25	ETF	23,39%		Proptrax SAPY	ETF	33,42%	
DBX Tracker MSCI USA	ETF	22,57%		Standard Bank Platinum-Linker	ETN	32,60%	
		6 Months				3 Months	
Standard Bank Wheat- Linker	ETN	39,86%		NewWave Silver	ETN	31,08%	
Standard Bank Corn-Linker	ETN	39,78%		Standard Bank Silver-Linker	ETN	28,94%	
Proptrax SAPY	ETF	18,06%		NewWave Platinum	ETN	16,86%	
				Standard Bank Platinum-Linker	ETN	16,30%	
Source: Profile Media FundsData (28	3/09/2012)	* Includes	rein	vestment of dividends.			

The full etfSA Performance Survey is available on www.etfsa.co.za



 $\mathbf{1}$ 

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	0.00 (0.00%)   ETF Property Index Tracker SAPY: 4590 + -12.00 (-0.26%)   ETF Property Index Tracker Top Ten: 1360 + 23.00 SW Carbon Credit Note: 10998 = 0.00 (0.00%)   SBR003 - Retail deposit note R100 denominations: 10138 = 0.00 (0.00%)								
ETF	ch Search	You are here Home   Ed							
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	onthly etfSA.co.za SA dex Tracking Product		purchase them like a normal exchange listed security. An ETF combines the diversifie portfolio of a unit trust investment with the tradability features of a listed security allowin it to be bought or sold at the end of each trading day at the market ruling price.						
	r ETFs & ETNs	How can ETF's benefit me?	the diversification and s track an index of the i	es (an ETF) is less risky spread of investments re most liquid shares on nnesburg Stock Exchan	educes the risk exp the stockmarket.	oosure. ETFs typically Indices are regularly			
	Continue	d/				nge Traded Funds <sup>®</sup>	c		



### For More Information on ETFs/ETNs (continued)

March 2012 15:21 ETF BettaBeta Equally Weighted Top 40 Portfolio: 3749 😐 0.00 (0.00%) | ETF BettaBeta Green: 1489 😐 0.00 (

March 2012 15:21 ETN - Deutsche Bank AG: 1 = 0.00 (0.00%) | ETN - Deutsche Bank MSCI Africa Capped 50 TRI: 6032 = 0.00 (0

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	etfSA - Exchange Traded Funds presentation - Mike Brown	💁 [220kb]				
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### Click on the "LEARN MORE" button for different types of ETFs

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					Total	Number of Produ	ıcts
of	The Home o	f Exchange Tra	ded Funds <sup>®</sup>		ETFs		38
CL	CU The Home of Exchange Traded Funds <sup>®</sup>				ETNs		20
					Total		58

#### ETF/ETN Products Offered Through the etfSA Investor Scheme<sup>®</sup>

<b>Products</b>					
available:					
38 ETFs					
<b>20 ETNS</b>					

A)	) INDEX TRACKING ETFs						
	1.	Top 40 – Broad Market Access	Description				
		Absa NewFunds SWIX 40	Tracks the FTSE/JSE SWIX Top index (same as Satrix SWIX 40 and Stanlib SWIX 40), however, all dividends are automatically reinvested on a quarterly basis to provide a total return.				
	quarterly	Nedbank BettaBeta EWT 40	Equally allocates the same amount (2,5%) to each of the Top 40 shares. This balanced approach produces less volatility and a lower risk adjusted exposure to the Top 40.				
	enb	RMB 40	Same portfolio as Satrix 40, but lower cost structure.				
	s paid	Satrix 40	Market cap index of JSE Top 40 blue chip shares on the JSE - high exposure to mining and large cap shares.				
	dends	Satrix SWIX Top 40	Adjusts the Top 40 weighting to exclude all South African shares held by foreigners. Reduces the portfolio exposure to mining				

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#### Satrix INDI Portfolio

Domestic--Equity--Industrial

#### Focus and Objective

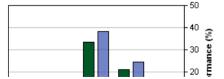
The Satrix INDI is an Exchange Traded Fund (ETF) listed on the JSE. The Satrix INDI aims to give investors the performance of the FTSE/JSE Industrial index. The Satrix INDI provides the opportunity to invest in the top 25 shares, measured by their market capitalisation, in the industrial sector. The Satrix INDI tracks the FTSE/JSE INDI25 index, as closely as possible. Dividends received from these companies are also paid out quarterly - net of costs.

#### Management

Satrix Securities This fund is managed by Satrix Managers (Pty) Ltd.

#### Comparative Performance - A Class

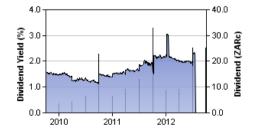




Technical Overview	
FORMATION DATE:	15 Feb 2002
BENCHMARK:	FTSE/JSE INDI25 (J211)
HOLDINGS:	26
UNIT HOLDERS:	8 293
ORIGINAL PRICE:	705
PRICING SYSTEM:	Forward
INCOME DECL:	31/03,30/06,30/09,31/12
MINIMUM LUMP SUM:	R1 000
MINIMUM MONTHLY:	R300
RISK RATING:	High

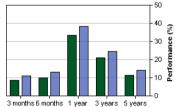
#### Dividend Yield A Class

Vertical lines represent dividends.



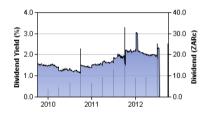
Management Satrix Securities This fund is managed by Satrix Managers (Pty) Ltd





Vertical lines represent dividends.

Dividend Yield A Class



iividend History - A Class (last 3 years)	
0 SEP 2012	25.08c
0 JUN 2012	25.08c
1 MAR 2012	9.07c
1 DEC 2011	8.95c
0 SEP 2011	33.03c
0 JUN 2011	13.18c
1 MAR 2011	9.27c
1 DEC 2010	6.63c
0 SEP 2010	22.87c
0 JUN 2010	6.45c
1 MAR 2010	4.51c
1 DEC 2009	3.59c
0 SEP 2009	13.73c
0 JUN 2009	6.42c
1 MAR 2009	8.16c

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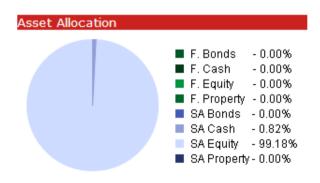


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Fees	
TER,	0.46%
CLASS-A	
(30 JUN	
2012):	
PERF FEE	0%
TER,	
CLASS-A	
(30 JUN	
2012):	
ANNUAL,	0.8% (Satrix Investment plan)
CLASS-A:	
PERFORMA	NCE, CLASS-A:0.45% - 0.80% PER ANNUM

PERFORMANCE, CLASS-A:0.45% - 0.80% PER ANNUM DEPENDING ON THE SIZE OF THE INVESTMENT. ONLY APPLICABLE IF PURCHASED THROUGH THE INVESTMENT PLAN.

Top Holdings on 30 Jun 2012				
SHARE	No UnitsVa	lue (Rm)	% of Fund	
SABMILLER	457 656	150.98	21.20%	
MTN GROUP	690 771	97.34	13.67%	
RICHEMONT	1 914 857	85.86	12.05%	
NASPERS-N	150 603	65.51	9.20%	
BATS	81 750	34.38	4.83%	
Totals		434.07	60.94%	



#### Satrix INDI Portfolio - A Class

TRI - Domestic - Equity - Industrial
TRI - Satrix INDI Portfolio A

PRICE - A CLASS



# Sectoral Breakdown Telcom Basic Mats Liq Ass Industrials Healthcare Cons Srvs

#### PERFORMANCE TO 3 OCT 2012

R1 000 LUMPSUM (NAV-NAV INCL. DIVIDENDS)			
PERIOD	Return	Value(R)	Inflation(R)
3 MONTHS	11.08%	1 110.80	1 006.40
6 MONTHS	13.07%	1 130.70	1 013.80
1 YEAR	38.29%	1 382.90	1 047.80
3 YEARS	24.39%	1 924.80	1 142.70
5 YEARS	14.04%	1 929.00	1 351.70
10 YEARS	22.34%	7 510.10	1 733.90

#### R100 PER MONTH (NAV-NAV INCL. DIVIDENDS)

PERIOD	Return	Value(R)	Inflation(R)
3 MONTHS	2.04%	304.10	303.23
6 MONTHS	12.07%	643.69	n/a
1 YEAR	25.72%	1 381.06	n/a
3 YEARS	22.01%	5 129.37	n/a
5 YEARS	19.81%	10 288.14	n/a
10 YEARS	19.97%	38 149.82	n/a
* VALUES FO	R PERIODS	GREATER THAN	ONE YEAR

ARE ANNUALISED

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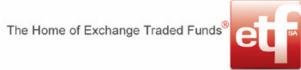
# **Using ETPs To Construct Portfolios**

	Type of Exposure	ETP Product	Comments
1.	GENERAL EQUITY MARKET RETURNS –	Satrix 40/RMB Top 40 ETFs	<ul> <li>Exposure to the Top 40 shares on the JSE (market cap weighted).</li> </ul>
	Beta products	BettaBeta EWT 40 ETF	<ul> <li>Top 40 shares on the JSE with allocation of funds equally weighted.</li> </ul>
		NewFunds SWIX Top 40 ETF	Shareholder weighted Top 40.
2.	OTHER ASSET CLASSES – diversification	zShares GOVI ETF	Invests only in SA Government bonds.
	strategies	Proptrax SAPY or Proptrax TEN ETFs	• Invests purely in JSE listed property shares.
		DBX Tracker MSCI USA ETF	<ul> <li>Invests in Top 600 USA shares.</li> </ul>
		NewGold ETF	Invests in gold bullion.
		Standard Bank Commodity- Linkers	<ul> <li>Invest in commodities such as precious metals, minerals, softs, oil, etc.</li> </ul>
3.	CAPITAL PRESERVATION -	RMB Inflation-X ETF	Invests in RSA Inflation-linked bonds.
	provide consistent returns with capital preservation	PrefEx ETF	<ul> <li>Invests in JSE listed preference shares, gives good dividend yields with capital preservation.</li> </ul>
	<b>P</b> • • • • • • • • • • • • • • • • • • •	NewFunds TRACI ETF	Money market ETF.
4.	THEMATIC PRODUCTS - promise of market	Satrix DIVI Plus ETF	<ul> <li>Invests in portfolio of high dividend yield securities.</li> </ul>
	outperformance	Nedbank BGreen ETF	<ul> <li>Green index has outperformed JSE All Share by some 40% over the past three years.</li> </ul>
		NewFunds Equity Momentum ETF	<ul> <li>Tracks an index of top JSE shares based on current price momentum.</li> </ul>



### How To Invest In ETFs/ETNs

Through Stockbrokers	Through Investment Plans (etfSA.co.za)
Minimum investment amounts often apply.	• R1000 lump sum.
No debit orders.	R300 debit order.
<ul> <li>Brokerage minimum charge R85-R125 per transaction.</li> </ul>	<ul> <li>Brokerage 0,1% of investment value.</li> </ul>
<ul> <li>Annual custodian fees – R600-R700.</li> </ul>	<ul> <li>Included in annual management fee (0,45% to 0,8%).</li> </ul>
Advisory fees 1% per annum.	• n/a



### How to Invest

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How to invest

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