

"Balancing the profitability of a postregulated industry with government concerns of collusion and vast urban/rural staple food price differentials in Southern Africa"



MILLING AND IT'S HERITAGE

- The oldest profession in the world (with machines!)
- The world's first industrialists
- The surname "Miller" is the sixth most common surname in the United States
- Other forms of "Miller" are Mueller, Muller, Moeller, Muller (German), Moulin, Moulinier, Meunier, Molyneaux (French), Molnar (Hungarian), Melnikov (Russian), Farina, Molinari (Italian), Molander (Swedish), and so on.





GREAT MILLERS OF THE 1st MILLENNIUM



Vitruvius was a roman architect and engineer who documented the first non man/animal powered mill. Known as the Vitruvian Watermill, It comprised of a vertical water wheel attached to a horizontal drive shaft. Gears were used to carry power to the mills stones by changing the angle of the drive to 90 degrees.



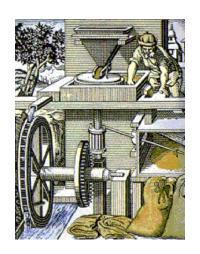
St. Moling. "He was a poet, a teacher, a psalmist, a bishop, a soul friend, a noble. Nobly he went unto the angelic resting place on the 17th of June 696, with choiring of the household of heaven, in the eighty second year of his age."





MILLING HISTORY 2nd MILLENNIUM SOUTH AFRICA

Origins of African Milling



Circa 16th Century

1873 The Industrial Revolution



1937-1997 Regulated Industry



Maize millers 'in far-reaching price-fixing cartel'

Pioneer faces R1.6bn milling fine

Wheat milling cartel referred for prosecution

South Africa's Milling Chamber Says Four Firms Quit THIRD MILLEMIUM WHY ALLTHE BAD PRESS?

The 14th century father of English literature Chaucer

"We know he stolen corn and tolls twice." "And yet he has a thumb of gold."

from Canterbury Tales





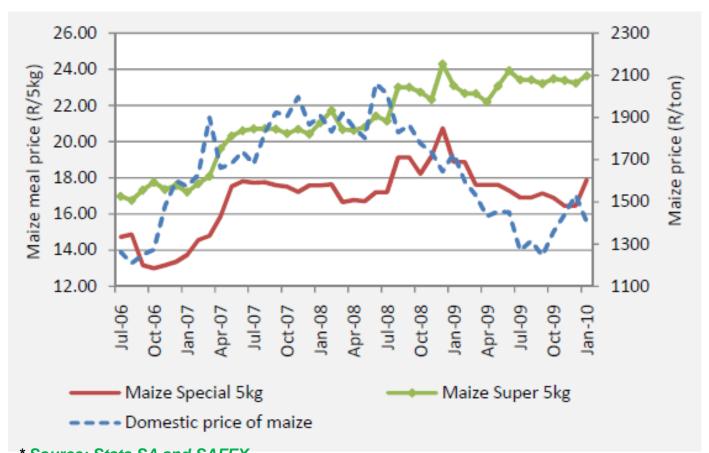
THE ONLY CONSTANT IN LIFE IS CHANGE.

SOUTH AFRICA 1994



- New Government
- New Objectives
- •1997 The entire maize and wheat value chain deregulated with the stated aim of creating a more competitive & inclusive business environment

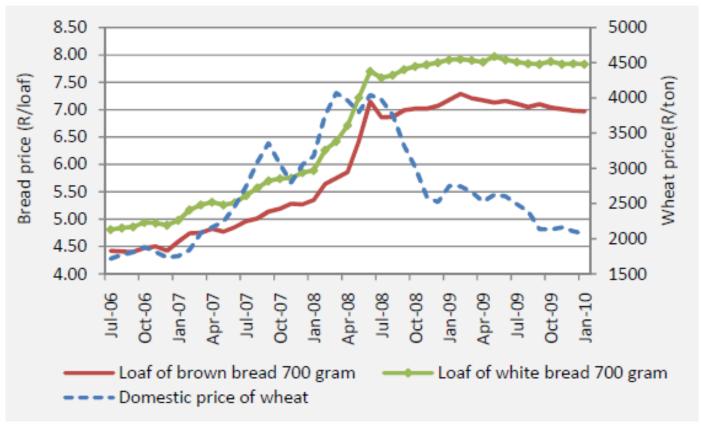
THE MAIZE MILLING INDUSTRY 2010







WHEAT MILLING AND THE PRICE OF BREAD!



* Source: Stats SA and SAFEX





MILL FINANCIALS 2003 -2009

Operating Margins

■ FMCG ex-milling and baking
■ Milling and baking

After 13 years of deregulation not a lot has changed!

FY03 FY04 FY05 FY06 FY07 1H08 2H08 FY08 1H09 2H09 FY09

Source: Company data; Alphen Asset Management





REGIONALLY NOT IN A VACUUM



The World's economic model for the past two centuries came to an end as it became apparent that the model was based on two false assumptions;

- That there were limitless resources in nature
- Nature had an infinite capacity to absorb waste





London

limitless resources?









AN INFINITE CAPACITY TO ABSORB WASTE?



© WWF Russia/Sergei Sobolev





GLOBAL PARALLEL CRISIS

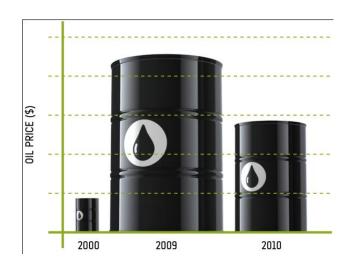
- > Financial crisis, spilling over into economies
- Climate change crisis
- Natural resources crisis two-thirds of our most important ecosystems – like tropical forests, farm land, fresh water and marine resources – are used beyond nature's capacity to regenerate them





THE NEW ECONOMY

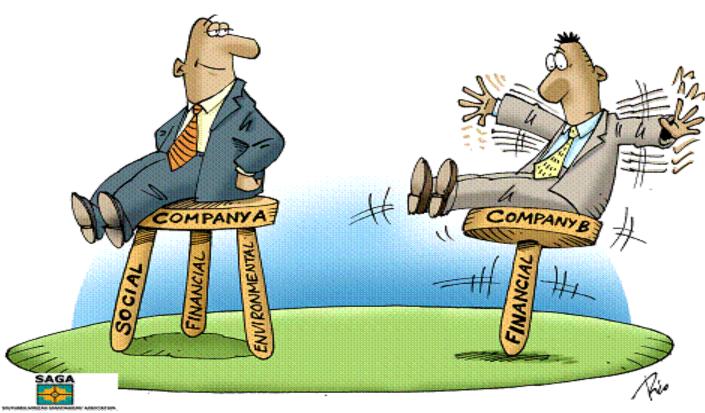
- Business as <u>unusual</u>
- Making more with less
- Energy and oil
- Carbon Credits & Taxes!
- Information , Google
- The new company; involves all stakeholders.
- King III –Corporate governance and sustainability are inseparable;
 Integrated reporting, JSE listing requirement from June 2010







INTEGRATED REPORTING







LOCATION	MAIZE	WHEAT
RANDFONTEIN	0	0
BETHLEHEM	153	157
VRYBURG	168	170
ALBERTINIA		420
UMTATHA	?	?
Bethanien Keetmanshoop Seeheim Hotazel Sishen Karasburg Upington	Bloemfontein Maser LESO Mafeteng	Bethlehem Ladysmith "Richards Bay THO Pietermaritzburg Durban Cokstad Port Shepstone

GRAIN TRADING FREE MARKET BASED ON EXISTING SILO LOCATIONS





RESULTANT PRICE DIFFERENTIALS IN RURAL AREAS

Table B.2: Maize products

Maize Products	Jul-09	Apr-10	Jul-10
Maize Meal 12.5kg	54.83	50.36	49.25
Maize Meal 1kg	7.23	6.22	6.15
Maize Meal 2.5kg	14.55	16.32	14.47
Maize Meal 5kg	29.05	25.45	25.93
Samp 1kg	6.68	6.38	6.36
Samp 2.5kg	16.92	12.96	13.34
Average cost per ton (R)	6096	5571	5458

Source AC Nielson





SOUTHERN AFRICA IS A LOCALISED MARKET

SOUTH AFRICA

- Population 50 million
- Rural population of 20 million
- 47% of total population of South Africa lives on less than \$ 50 per month.
- ➤ 59.3% of South African poor are rurally based

SADC

- Population > 250 million
- ➤ 60% of population live in rural areas.
- Approximately 45% of the total population lives on 1 US\$ per day.









SERVICING A LOCALISED AFRICAN MARKET

Obstacles include;

- > vast distances
- lack of suitable transport infrastructure
- ➤ Double-digit growth in logistics costs.



GOVERNMENT'S OBJECTIVES & GREATEST DILEMMA!

Ultimate objective of Southern Africa's governments:

Get enough votes to stay in power!

(Study: Tschirley and Jayne, 2009)

• 'The importance of food staples in the budgets of these countries and consumers ensuring adequate supplies of food staples throughout the country, at prices accessible to the poor, and gaining political credit for this outcome, makes an important contribution to the government's ultimate political objective'





A PARALLEL TRACK NEW MILLS IN SOUTHERN AFRICA.







Smaller, localized sites does not mean lower standards!.





Average Profitability on a localized maize milling operation

Maize	Price per ton Rand (R)	Price per ton Dollar (\$)	% Extraction
Maize meal Maize germ Sales	3000 1000 2250-2600	400 133.3 300-347	65-80%* 35-20%
Cost of sales	Per ton Rand (R)	Perton Dollar(\$)	% Sales
Maize Packaging Delivery	1200 150 150	160 20 20	
Gross profit	750-1000	100-133	33-42%
Admin/wages Loan & interest costs #	300 200	40 27	13-11 8-7
Nett profit	250-500	33-66	10-15%

^{*} Depending on finished product quality required #Calculated on 75% capital cost over 5 years

EXAMPLE OF TYPICAL CAPITALRETURNS





LOCALISED GRAIN STORAGE SOLUTIONS

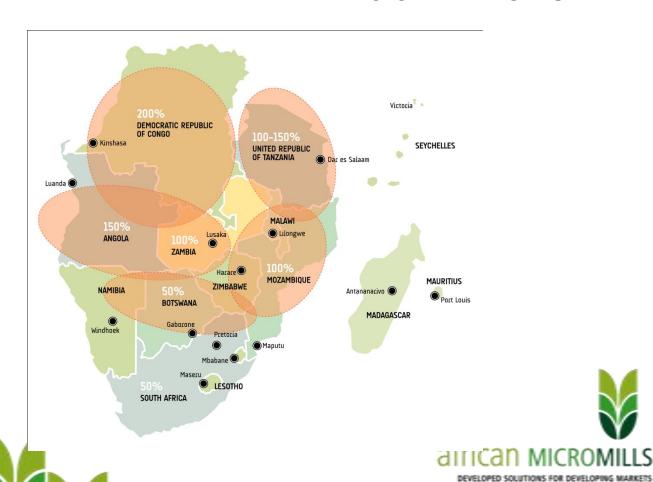


@ a cost of R500/TON(\$72); ROI = 100%





ROI IN SADC BASED ON CURRENT FOOD PRICES.



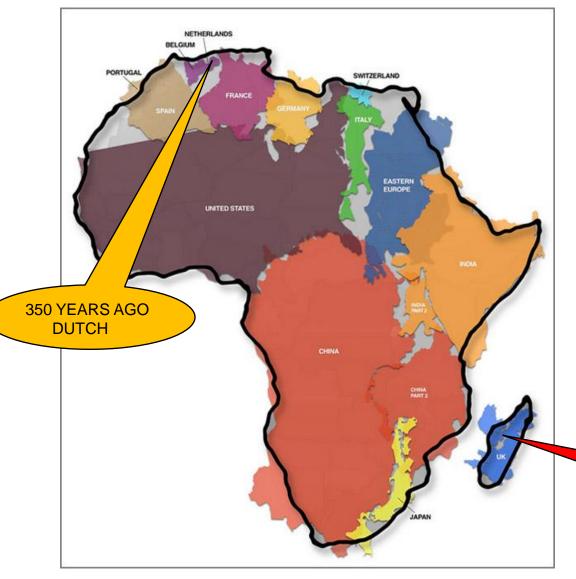
WITH CHANGE COMES NEW OPPORTUNITIES.

This year, SADC will produce 35.5 million tons of grain, an estimated 12% increase over 2009. It consumes 25 million tons of maize, 5 million tons of wheat and has achieved a 20% growth rate in cereal production over the past 5 years. (SADC Food Security Update – July 2010).

There are **HUGE** opportunities for new development in this market.







SOUTHERN AFRICA IN PERSPECTIVE WITH IT'S MILLING HISTORY

19TH & 20TH CENTURY BRITTISH



DEVELOPED SOLUTIONS FOR DEVELOPING MARKETS

can MICROMILLS

THIRD MILLENNIUM LET'S BE MILLERS FOR AFRICA!

- ➤ Compound growth rate of 5%
- >World's fastest growing population
- >World's youngest population
- >Emerging middle class
- >Healthy urbanisation
- > Digital consumers
- >Value orientary (61% cost of food primary concern)
- >Agric Attral production 2000 libe





PROVIDING INTELLIGENT SOLUTIONS FOR A DEVELOPING MARKET.

THANK YOU!







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