



Apprenticeship in a Globalised World: Premises, Promises and Pitfalls

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Between an 'inglorious' past and a 'precarious' future

South African Apprenticeship in Transition

This presentation

- **q** That 'inglorious' past
 - **n** Response to a romanaticis-(ation) of the past ...

oh! How good those old days were....

Understanding where we come from ...where we are...The VET Context

- **q** The Precarious future
 - n Implications for current priorities
- n Key message,
 - **q** Maybe that hankering after the past (which is itself pretty dodgy) might well be misplaced
 - **q** We need to chart a new skills development present in a context of current context
 - Perhaps a review of our current trajectory called for

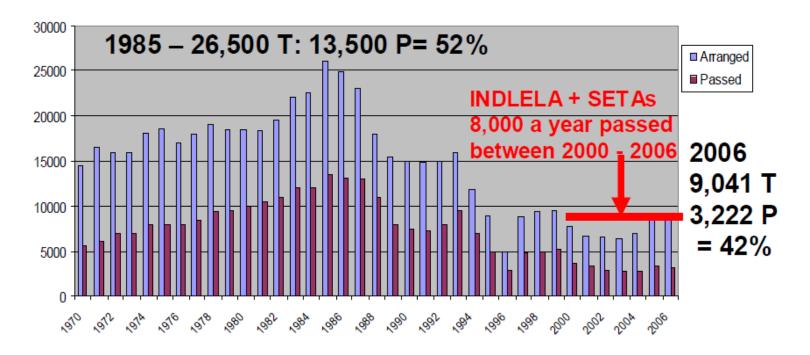
Two things: Understanding where we come from...contextualising the current and providing the rationale for a new story to be crafted



- **n** Not a merSETA position
- Research conducted and undertaken wrt national development imperatives
- A start of a process of re-thinking where we come from are ...andneed to be....



TRADE TEST STATISTICS-COTT/INDLELA



FINAL SKILLS ACCORD – 13 JULY 2011

Aligning NAD Targets to National Priorities

Ministers PME Outcome 5	New Growth Path
& NSDS III	Economic Development
10 000 artisans annually by 2014 Pass Rate from 46% to 60% by 2014	Artisans: 50 000 additional by 2015

Year	2007- 2008	2008- 2009	2009- 2010	2010 – 2011	2011 - 2012	2012 - 2013	2013- 2014	2014- 2015	2015- 2016
Registered	16 193	24 229	26 301	23 517	30 000	31 000	32 000	33 000	35 000
Certificated	6 030	8 935	¥8 238	▲ 11 778	11 759	≯ 16 500	18 600	≥ 20 800	23 100
Pass Rate	N/A 55% 34% 45%				50%	55%	60%	65%	70%
Cur		numbers fr onwards to			11 759	28 259	46 589	67 659	90 759

Actual (NSDS II)

Planned (NSDS III)

*** Pass rate is staggered by 2 years (Assumed estimated average time to qualify considering both RPL (Section 28) and Full Time Learning (Section 13)

SETA / INDLELA LEARNER REGISTRATIONS ACTUALS VS TARGETS FROM 2007-2016

Artr	isan Learners Registered		NSI	OS II		NSDS III						
SETA	SECTOR	2007-2008	2008-2009	2009-2010	2010-2011	2011 - 2012	4 Yr Ave.	2012 - 2013	Proposed 2013-2014	Agreed Targets 2013 -2014	2014-2015	2015-2016
CHIETA	Chemicals	11	550	1,905	2,176	1,756	1,597	1,800	1,872	2,000	1,947	2,025
	Fibre Processing & Manufacturing	340	839	256	500	82	419	500	520	520	541	562
CETA	Construction	29	726	2,069	646	663	1,026	1,500	1,560	5,000	1,622	1,687
ETDPSET A	Education & Training	-	227	8	47	-	71		-	-	-	-
EWSETA	Energy	317	598	956	707	1,066	832	1,000	1,040	1,700	1,082	1,125
FOODBEV	Food Processing	190	333	253	138	42	192	200	208	208	216	225
CATHSSE TA	Tourism, Arts, Culture & Sports	-	-	-	-	163	41	100	104	104	108	112
MICT SETA	Media, Information , Communication	30	60	37		-	24	100	104	104	108	112
LGSETA	Local Government	133	402	283	504	914	526	600	624	624	649	675
MQA	Mining and Minerals	1,766	730	2,824	1,531	2,191	1,819	2,000	2,080	3,700	2,163	2,250
MERSETA	Manufacturing & Engineering	2,665	7,313	5,739	7,001	5,876	6,482	6,500	6,760	6,000	7,030	7,312
SASSETA	Safety & Security	-	-	118	370	947	359	1,000	1,040	1,050	1,082	1,125
PSETA	National & Provincial Government	-	_	_	-	27	7	500	520	520	541	562
AGRISETA	Agriculture	35	175	186	83	197	160	200	208	208	216	225
SERVICES	Services Sector	3,041	4,182	3,144	2,503	1,847	2,919	1,500	1,560	-	1,622	1,687
TETA	Transport	400	773	1,371	667	1,458	1,067	1,500	1,560	1,560	1,622	1,687
W&R SETA	Wholesale & Resale	-	-	-	-	20	5	100	104	140	108	112
HWSETA	Health & Welfare	-	-	-	-	-	-	300	312	312	324	337
INDLELA	Non SETA Candidates	7,236	7,321	7,152	6,644	7,129	7,062	5,600	5,824	2,250	6,017	6,178
	Totals Registered =	16,193	24,229	26,301	23,517	24,378	24,606	25,000	26,000	26,000	27,000	28,000

The Vocational College -Something to smile about- From F to V

Intentions

- VET Focus and apprenticeship
- Education and Training synergy
- Quality
- Reorganise and strengthen sector

Initiatives

- National attention
- Cash injection, 2005 Racapitalisation
- Current Turnaround strategy
- Curriculum review
- HRDC and attention to access into FETCs

Achievements

- 1. Equity and open-ness
- 2. Enrolment demographics: white to black
- Reorganisation or sector (post 2001) – Mergers and rationalisation (150 – 50 colleges)
- 4. Campus focus
- 5. Target produce 30 000 artisan by 2030 ...from current 10 000
- 6. On back of call by President for business to absorb 110000 graduates facing placement



Current Construction – responding to (dis)-Repair

The FET College System is not effective. It is too small and the output quality is poor. Continuous quality improvement is needed as the system expands. The quality and relevance of courses need urgent attention. When quality starts to improve and the employability of graduates begin to increase, demand for FET services will rise automatically. Simply growing the sector without focusing on quality is likely to be expensive and demoralising for young people, further stigmatising the (NDP: 2012) system.





The past fashions the present and shapes the future. Understanding it gives us perspective of what is, and can be, and locates what can, and needs to be. In a world characterised by so much uncertainty... ...this is the only constant.

Apprenticeship Responsiveness NEW APPRENTICES REGISTERED DURING 1971

	Whites	Coloureds	Asians
Building	607	1010	397
Diamond cutting	106	0	0
Printing	534	74	11
Hairdressing	409	0	1
Jewellers and goldsmiths	16	6	0
Metal (Engineering)	2607	135	18
Furniture	22	196	83
Motor	1944	161	89
Mining	595	0	0
Government undertakings	225	12	0
S.A Railways	1634	0	0
Other trades	441	2	5
	9140	1596	604

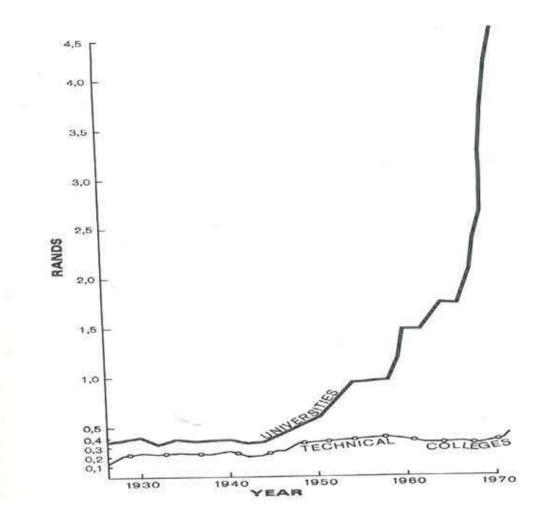
The Golden Age: Demand Responsiveness

- **Transvaal Technical Institute**, a College of Advanced Technical Education, established in 1903, was one of the largest institutions , with budgets that exceeded that of ".any but the two biggest universities" (Malherbe, 1977).
 - comprised 5 500 full-time staff, 14 500 part time-staff and 6 500 correspondence students, with a total enrolment of 26 500 students, it had 14 centres stretching across the Vaal, with training in Mining, and teacher-training, art, commerce, nursery school work and domestic science
- VET gave rise to two leading universities, Wits and UCT derive their origins from a once-thriving (although exclusionary) college system.
- The value of the country's mineral production grew from UK6 million pounds in 1891 to 17 million in 1911 and 130 million in 1936, with white employment increasing from 21 000 to 120 000 in the same period (p.168)



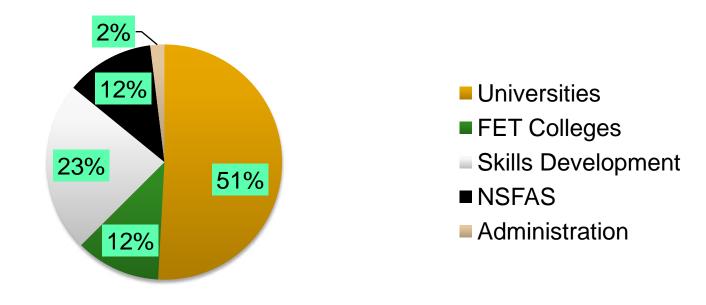
That ah-ha moment !!! STATE EXPENDITURE PER HEAD OF WHITE POPULATION ON UNIVERSITIES AND TECHNICAL COLLEGES

204 32



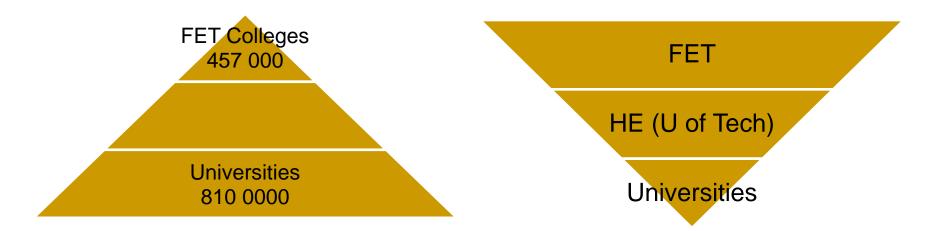
past

DHET Budget (2012/3)

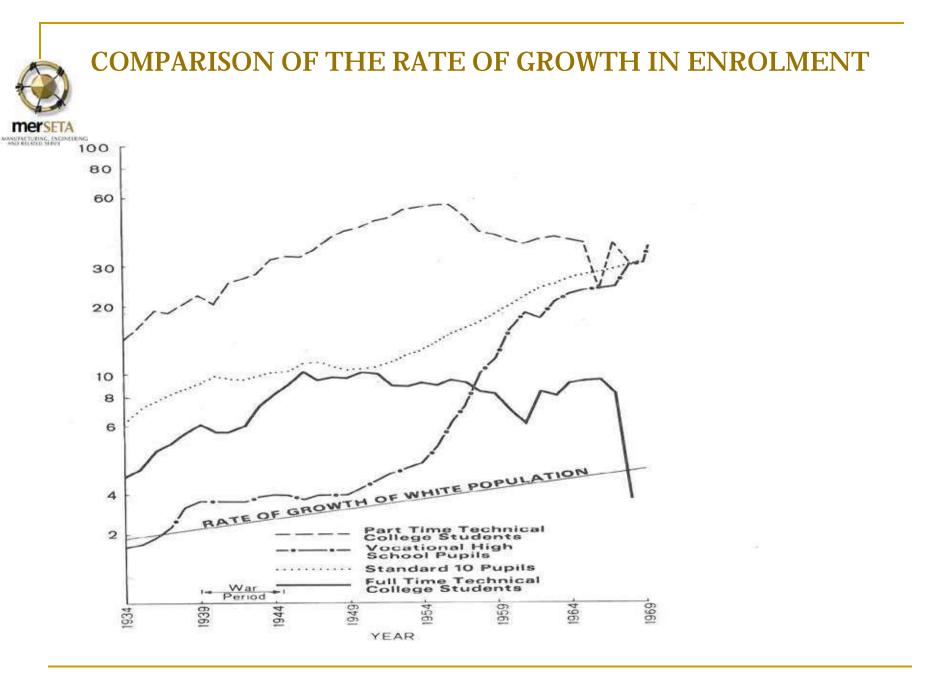


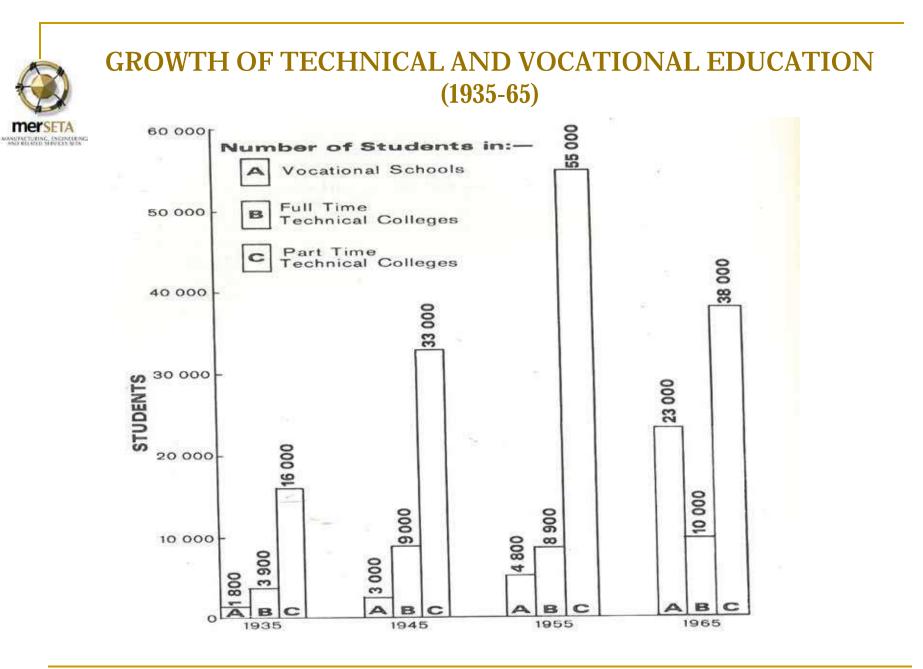
		ZAR (bill)	US\$ (bill.)
Universities	51%	20.9	2.6125
FET Colleges	12%	4.8	0.6
Skills Development	23%	9.6	1.2
NSFAS	12%	5	0.625
Administration	2%	0.8	0.1
Total		41.1	5.1375

Post-School Enrolment



- HE Dynamics 2000-7: 555 080 761 000 (4.6% Ave annual increase)
- SET : circa 27% unchanged
- FET 2002-4-8: 406143 373 000 2011 359-457-550 000 – 2013 (340 000)





Some DATA: Age of TECHNICAL COLLEGE STUDENTS (1937)

Ages			Full time					Part-time		
	Lower	Inter- mediate	Advanced	Total	Percentage	Lower	Inter- mediate	Advanced	Total	Percentage
Under 15	335	89	0	424	8.47	171	93	0	264	1.4
15	504	353	0	857	17.12	325	327	0	652	3.47
16	484	773	0	1257	25.11	735	975	0	1710	9.09
17	348	777	4	1129	22.55	911	1721	27	2659	14.14
18	179	440	59	678	13.55	771	1944	91	2806	14.92
19	51	237	54	342	6.83	569	1967	124	2660	14.15
20 and over	14	200	105	319	6.37	807	6140	1106	8053	42.83
Total	1915	2869	222	5006	100	4289	13167	1348	18804	100
Median Ages	16.2	17.3	19.9	17	0	18	19.7	Over 20	19.5	0

Source: Malherbe 1977

Age Profile

Comparati	ve Data: T	echnical Co	ollege Stud	lents then	(1937) and	d now (2007	/-10)		
		19	37			2007			
	F/T		P/T			Age Profil	F/T		
Under 15	8.47		1.4						
15	17.12		3.47						
16	25.11		9.09						
17	22.55		14.14						
18	13.55	61.21	14.92						
19	6.83		14.15			15-19	20		
20 and over	6.37		42.83			20-24	56		
						25-29	14		
						30-34	5		
						35-39	3		
						40+	2		
T	100		100				400		
Total	100		100				100		
Source: Ma	alherbe (1	977)				HSRC (2008	3)		

NUMBER OF ARTISAN IMMIGRANTS

Year	Artisan Immigrants
1946	5335
1947	16 606
1948	18 113
1949	7 406
1950	6 257

Some reflections

- The period before 1948 could well be termed the 'golden' age of technical education and training.
- **n** The development of the Technical and Vocational education coincided with the country's economic trajectory.
- **n** The expansion of the technical colleges sector accompanied economic growth
- The National Party victory in 1948, with its driving ideological race-based separate development policy, laid the basis for the post-apartheid TVET and apprenticeship context.
- **n** Funding regime favoured increased per capita state expenditure on universities rather than colleges.
- The turn of the century saw tremendous economic development, occasioned by the mineral revolution up until the 1930s- with subsequent impacts on TVET system
- n Status and (lack of) parity of esteem reinforced post- 1948
- **n** Where we are is result of where we've come from.....

Lingering Legacies – Not new

n Notion of Work

- Complaint from a parent that kids not sent to do manual labour...but to work...(academic)
- Might well explain the context of our 'qualificationfetish'
- **n** Shortages (even at that time)
- Dual System (we've always had it)
- Perhaps need a new story to be crafted....

What are we up against?

Increased 'precariat-isation'

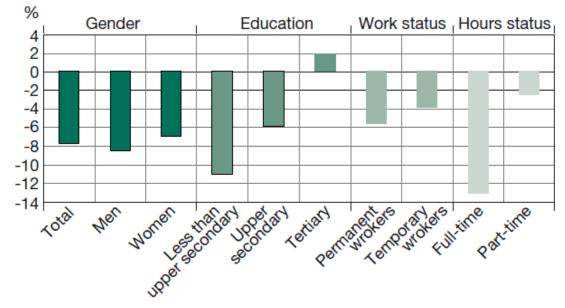
- Increasing unemployment
 - Economic Crisis: mid 2008
 - Described as 'greatest catastrophe since depression' Varghese, 2009),
 - Need to 'avert the human crisis'...ILO/World Bank/OECD
- According to estimates by the ILO, 51 million people likely to lose their jobs, and according to the World Bank, an additional 46 million will be pushed below the poverty line
- Impact greatest on most vulnerable' (Youth, women, less skilled) developing countries, impact considerable (commodity prices)
 eg. Developing world ILO (2008) finds that the poorest
 - households in Uganda spend about 60% of their income on food



Some data..... Scarpett and Sonnet 2012

Youth (15/16-24) Employment Has Been Particularly Hit During the Crisis, OECD Area

Percentage changes in employment, 2008-20101



¹ Data by educational attainment refer to 2007 and 2009.

Source: European Union Labour Force Survey and national labour force surveys.



n the triumph of globalization and market capitalism has improved living standards for billions while concentrating billions among the few. It has lowered inequality worldwide but raised inequality within most countries

(The Conference Board, 2011) – Richard Freeman (Harvard)

In a class of their own Malema's marchers make peaceful foray into leafy suburbs



CENTRE STAGE: As "economic freedom" marchers pass the Hyatt Hotel in Rosebank, Joburg, yesterday, residents gawked and snapped pictures with their cellphones.

PCTURES: CHRS COLLINGRO

The notion of Precari-ty

The Precariat: The New dangerous class (Guy Standing 2011)

- Described as a 'neologism that combines an adjective 'precarious' and a related noun 'proletariat'.
- Precariat a growing number of people across the world living and working precariously, usually in a series of short-term jobs, without recourse to stable occupational identities or careers, stable social protection or protective regulations relevant to them
- 'precariat' was first used by French sociologists in the 1980s, to describe temporary or seasonal workers. ..although Standing uses "a different notion.... temporary labouring status comprises a central aspect of the precariat"
- Described by what they are NOTa society consisting mostly of workers in longterm, stable, fixed-hour jobs with established routes of advancement, subject to unionisation and collective agreements, with job titles their fathers and mothers would have understood, facing local employers whose names and features they were familiar with
- New 7*stream Class structure: from Elite, Salariat, Proficians, Manual Employees, Pracariat, Unemployed, to Socially ill Misfits



- people who have minimal trust relationships with capital or the state, making it quite unlike the salariat. And it has none of the social contract relationships of the proletariat, whereby labour securities were provided in exchange for subordination and contingent loyalty, the unwritten deal underpinning welfare states. Without a bargain of trust or security in exchange for subordination, the precariat is distinctive in class terms. It also has a peculiar status position, in not mapping neatly onto high-status professional or middle-status craft occupations. One way of putting it is that the precariat has 'truncated status'.
- n class of people could produce new instabilities 'incipient political monster'..voiceless



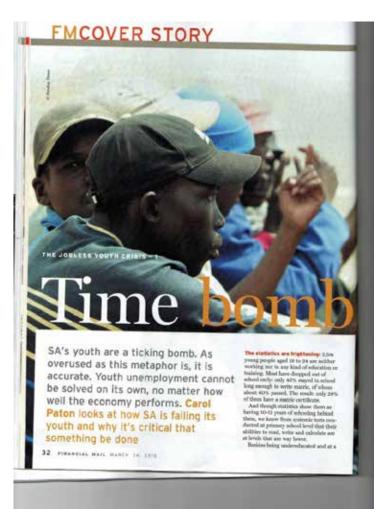
from 2000 until 2012 specifically, the unemployment Rate averaged 25.49% reaching a high of 31.2 % (March 2003), and a record low of 21.9% (Dec. 2008). In the last quarter of 2012, the South African economy lost 320 000 jobs only in the last quarter..(in terms of the narrow definition)

We live in different times...Time for Youth or The Youth Source:

MORE SETA

Financial Mail (March 26 2010)



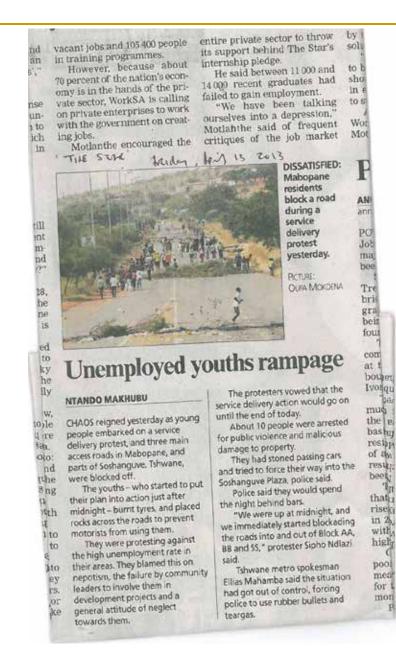


The Changing Labour Market



Zapiro is on leave. This is a classic rerun.

Latest News The Star 13.04.2013





Thousands scramble for jobs

Jobless 100 000 go for 000 metro cop posts

LALI VAN ZUYDAM and MUSI KAHIMBAARA

Tahwane Me're Police required time.

pound in Madilla (Ver-Police's advantisement for 1,090 Fire-degardment.

suice damages 14, when the advertisition four days

playing itself and in many parts of ers sager to join the motivo police. the country where thousands of see- The emergency line is always printe job-weakers have queued for a ringaged mail emergency calls cannot The government fails to address the Emergency number (012 358 7096).

died while perficienting in strong Rwszulu Natel Roed That Technspice then forms . for only 50 jobs.

with were sent load messages on the invested. Christmas Day telling them to

A total of 230 people collapsed with East exhaustion and dehydration during the run. Six of them died. HOUSANDS of the city's while a seventh man alithis throat unemployed you'l bace and later died - when he learnt babeen quening on the hadnet finished the race wilbin the

This tragedy come a few months menter) Street in the hope of after three had oraples when more becoming metro cope. More than than \$2000 jobseekers lived up for 100 000 the period to the Tabasse form by the aTackwini Municipality's

Superintendent Isaac Mahambu, The Emposate infracedures have of the Tehrwinge Motro Police, and been questing as the metro police policy had to print some application pound to hand in their applications for manifer the 100 000 printed were

enner the the jobs was published. The city's emergency line has a similar abundion has been been clagged by calls from job sock.

few advertised (Levis, primpting set fitrough, said Mahamata, who Thousands of hopeful job seekers quote in the hope of landing a job with the Tahvane Metro Police, experts to warn of "social linear" if urgod, the applicants had to use the high unemployment crisis but to souther one of the regional process. These people charged here Applicants must obser at inast month, seven young pould many starious directly

may fitness leads for jors with the floors were given in the job applica- amount," Mahamba said,

territe Nore than 15 600 apploants. Matamba warned the public 14 and dose a mon of Willay dartook part in the tost to assess them against continent at the queue in there is they are the news will be employed the South African citizena. Motica Street. He said people pro- una training contraction a period of appliedfor the 90 posts, and 34 000 or help with applications, should not comployment as a metro poince con-

roport to the Harry Gwala stadium point during the application duration of the contract

Applications opened on Jonuary stable will be considered. A monthly "No money should be part at any slivend of 10 BCC will be hald for the

connections and one: to help the application form, a copy of their DA. He said the mentaneous for the size public get a choir doy pay a certain a copy of their developmences and a copy of facely mainle contribute.

App toants must be under the age

Mahamba said that by last Fri-Mary than 152101 jurple had the asinetro-bolication and offering 10 months. On completion further day just five days after the advert "ad received "00.000 applications. "We of head "00.000 for my and by Wriday, the re-were no more. We had

Mahamba.

Vesterday the queue susked along more than two city blocks. Thando Bee, from Sunnyside. of 45, have no criminal usered and was one of the hundreds in the queue by sam. He snid: "I just note! work, i applied because I like working with vehicles. Alar, I can serve positive and self-motivated, so I am why not?" 50 persons sure the get the job."

Carol Makutela, from (beforta - though) ("successful (iwould create - factorily January 30

to print more for this week," said Control, soul the metro holdse were opportunities for him. "It could

Grace 12 to apply," she said. "It's a good solt. You get REMED a

(nor) I mean, if you are unemployed had been flighted, the motro police on community, which is good 1 am or you have nothing going on, so Rangwato Tshepa from Tembias,

WILLISS FREE SPACE

doing a great service for individuals open doors for me. It's good experiwho didn't have higher education ence. It's a fire start and everyone qualifications. "Think it's traily has to each an income three to grass, horause you only need your - believe in myself because These a dream. Everybody has a dream."

Mahamba said it had yet to be month for an 18-month fixed con- determined how many applicants would be shortlisted. A fitness test and motifical test would be conducted. as port of the eduction process. Supressful applicants will be con-

That Precarious Present-Future

- There is a need for an understanding of an international new order that can (or unable to) create employment
- The economic crises have shown that we need to reconfigure our understanding of the labour market; this includes education and training systems.
- The accelerating rate of unemployment shows the unwillingness or inability of the economy to generate employment as a response to mechanisation brought by technological developments that require fewer, but more sharply skilled employees.
- The implications of this reality has not yet been thoroughly examined but will become the focus of attention as the reality of precarious employment practices become more ingrained and its skills development implications realised.

The reality: Capital Intensive Manufacturing



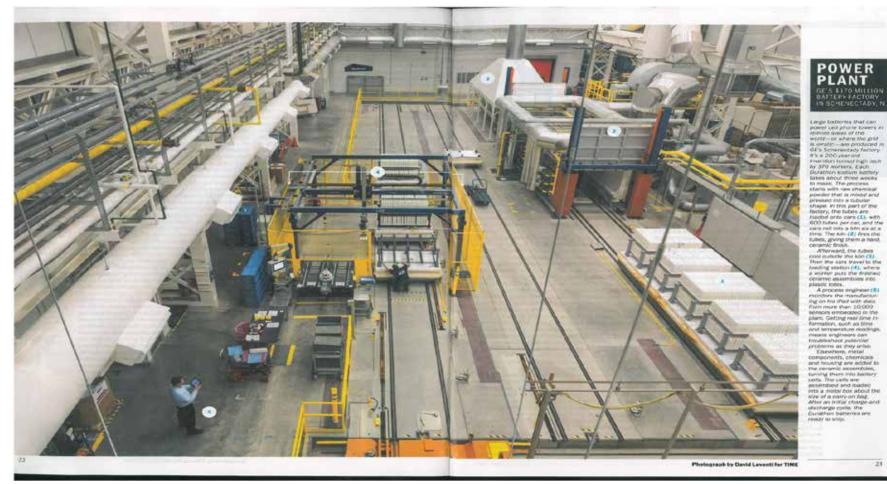


The New Power Plant



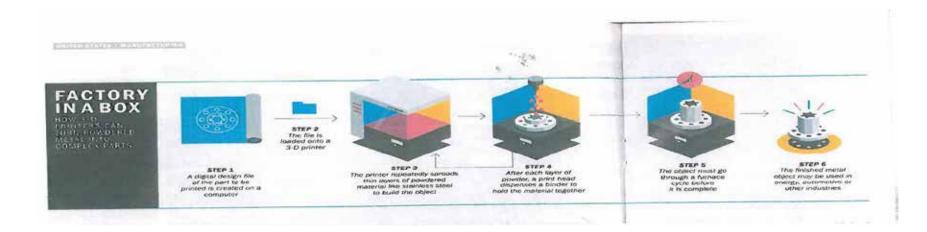
TIME 13.04.2013p. 22/23

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The New Factory in a Box

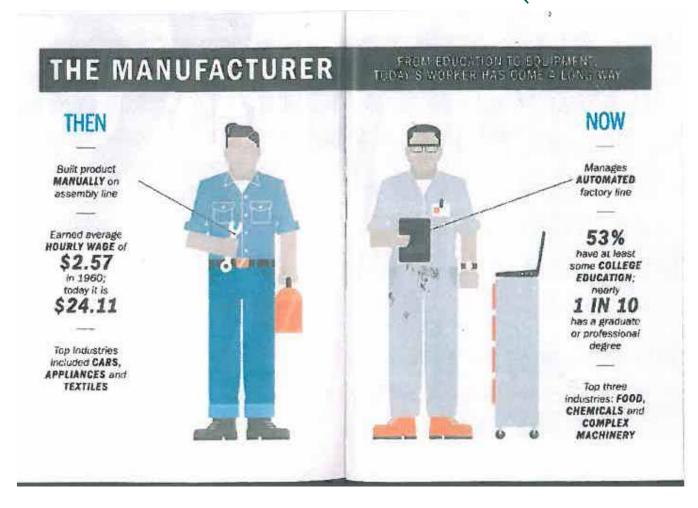
How 3-D Printers can turn Powdered Metal into Complex Parts (REF. TIME: April 22, 2013 (p. 24-25)





The 'New' Manufacturer

Ref. Time. April 22, 2013 P.24/5)



In conclusion

- **n** Need for understanding the new labour market
- Need for ensuring that we deal with past as it needs to be dealt with....de-romanticisation called for...
- In Understanding that much of our training and ethic has been result of that past
- **n** The new order needs to be understood...
- Implications for skills and precariat labour market
- Urgent need to understand limitation of the apprenticeship numbers game being played



Note that we wanted a to do <u>different things differently</u> if we are to get anywhere..this means we need to interrogate purpose, means and ends

n Do the same things in the same way, expecting different results.....a sign of madness *Einstein*

The TVET-LM Linkage



Role of Education and Training

