

Efficiency highlights

- Excellent production efficiencies with room for improvement
- Highest ever stoping efficiencies achieved by Impala.
- Outstanding shaft performances:
 - ❖ Two shafts achieved more than 56 centares per panel man
 - ◆ 12 # produced 577 centares per panel team in FY2001.



Efficiency highlights

- ❖ 4 # improved from 31 centares per panel man to current performance of 43 over the last few months (39%)
- Top 20 performing stoping teams
 - Constant efficiency achievement of 70 centares per panel man in 2001
 - Teams averaged 685 centares per panel team per month with a 23 metres face advance (100% of potential)



Top performing crew captain

Oupanyana Molefe (VA1D)

- 81 centares per panel man
- 722 centares per month
- 9 man team
- Sep '01 performance:
 - 101 centares per panel man
 - 1 043 centares produced
 - 10 employess at work



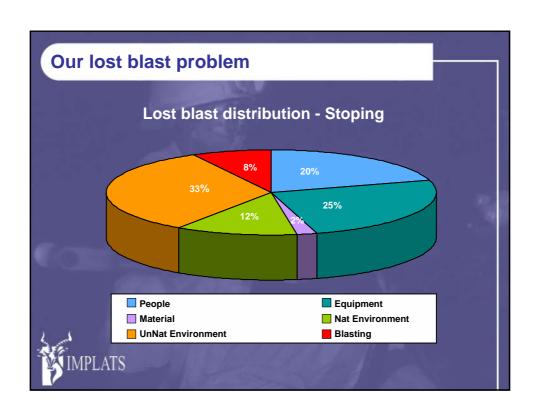
Soaring to new heights - our potential

- Current stoping face advance of 17 metres per team per month vs a 23 metre potential
- A 36% improvement on stoping face advances is not a dream
- One additional blast (one metre) per team per month equals R400 million turnover per annum
- Additional six metres per team per month potential still available
- Development efficiencies have the most room for improvement (50% to potential)

Our first step - Daily Production System

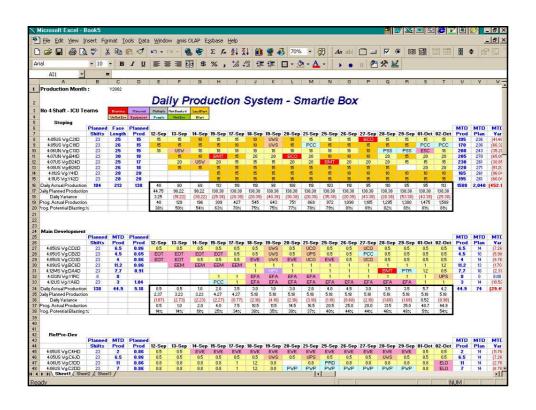
- Implemented a Daily Production System (DPS) on all our shafts
 - This provides mining operations with detailed daily information on reasons for non-production, achieved and planned production per production team amongst other things
 - This is most useful in identifying trends and problem areas quickly
 - Our objective is a proactive approach towards utilising the system and its information

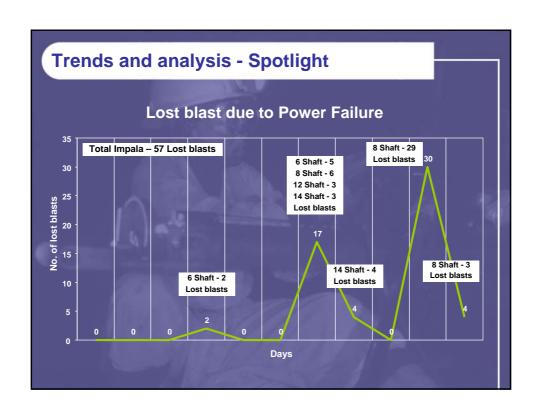
IMPLATS





Daily reporting – "Smartie box" * Our goal is a Safe, Quality, Daily Blast * Keep it simple by creating pictures (Tell the story) * Identify trends easily (Don't flash info) * Information available per team per day * Focus on lost blast and low blast * Face advance per blast * Focus more on potential and revenue





A new production bonus – July 01

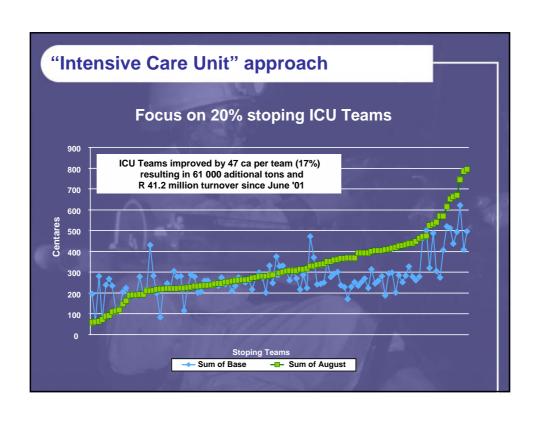
- Same effort same pay (Mining methods and occupations)
- Cut off points introduced (Minimum requirements).
- Focus on production outputs (advance) per team without sacrificing labour productivity
- "Pot" concept introduced for development teams
- Additional face advance bonus to Crew Captains up to R2 000 per team

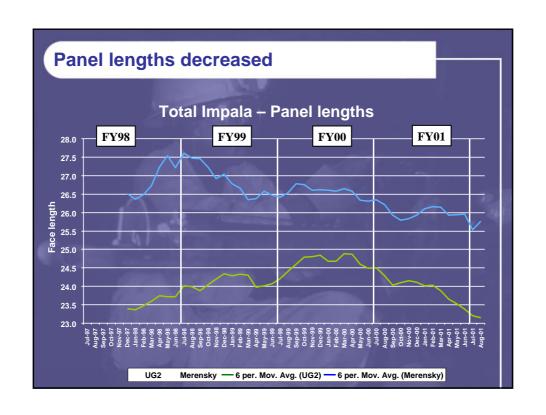


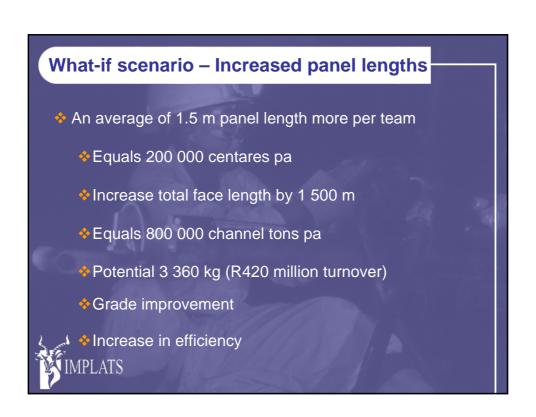




* 120 stoping ICU teams identified * 40% of total lost blast problem in these teams * If we increase the ICU team's productivity by 30% * 520 000 Additional tons pa * Potential 2 100 kg pa (R260 million turnover) * These teams improved over last three months: * 17% increase in productivity * 61 000 additional tons * R41.2 million extra turnover







Development and optimisation

- Re/pre development ratio vs stoping production
- Increase in development team sizes to gain better advances per team
- Optimisation
 - Fixco initiative concerned with optimisation of raise lines to gain maximum efficiencies on half level production
 - Looking at processes to ease operations



Optimisation & Re/Pre Development														
	100					- 3			175 - 15	(4,7,1,11)		1 10 10		
LIC2 (Imple 1 local)														
	UG2 (Jun '01 - Aug '01 Ave)													
	41	42	43	844	45	46	1000	47	48	49	50	51	52	
922	328	352	i e		243		11C 1,978			To the second		646	411	1.056
38,747	16,850	15,925			5,972		69,469					12,828	17,894	30,722
49.8	15.1	18.5			16.1		125.4			0		73.4	2.2	75.6
				22000			12C					7242		
2,269			493 23,495	1,116 19,500	9,545		4,638 123,979	269 12,700	432 10,610	611 5,335	493 12,902	14,626	90 15,266	2,369 71,439
93.9			23.0	63.2	7.7		246.0	2.3	30.5	16.8	25.3	77.2	0.0	152.1
							13C							
1,174	,			926		249	1,383			209				209
25,600				14,600		11,000	38,319			12,719				12,719
78.6			i i	47.5		31.1	112.6 14C	4	_	34.0			-	34.0
1,918			662	376	266	614	3,590	646	641	385				1,672
46,170			22,700	11,050	5,420	7,000	84,132	11,337	11,735	14,890				37,962
132.7			40.9	66.2	25.6	0.0	230.8	33.1	22.2	42.8				98.1
							15C							
414	ĺ			414	0		824 53,658		47	364				411
20,230 96.5				16,660	3,570 52.2		118.5		16,088	17,340				33,428
				77.0	32.2		16C		0.0	22.0				0.33
19					0	19	724	298	241	165				704
35,000					21,000	14,000	75,360	2,810	17,625	19,925				40,360
134.6					17.2	117.5	227.6	16.5	62.4	14.1				93.0
359				_	2	357	17C 1,963	808	587	209		_		1,604
34,200					15,800	18,400	71,575	11,900	9,225	16,250				37,375
87.4					9.4	78.0	175.5	44.7	40.4	3.0				88.1
							Total							trolling.
7,075	328	352	1,155	2,831	1,171	1,239	15,100	2,020	1,948	1,943	493	1,120	501	8,025
252,487	16.850	15,925	46,195	61,818	61,307	50,400	516,492	38,747	65,283	86,459	12,902	27,454	33,160	264,005

The way forward

- Improving people skills
- Focus on revenue output without sacrificing labour efficiencies
- Other key drivers:
 - Advance per team
 - Advance per blast
 - Team sizes
 - Panel lengths
- ICU team training

The way forward

- * Reconciling and one version of the truth
- Proactive approach
 - Collection of lost blast information before 08h00
 - Services departments take action and assist same morning to prevent possible lost blast
- Ongoing process of converting data into management information to assist in formulating action plans
- Computers planned for all Mine Overseers.



