

# TEL AVIV MUSEUM OF ARTS

## NET PRESENT VALUE ANALYSIS FOR AS-IS SYSTEM ALTERNATIVE

Rounded to the nearest R1

Cash Flow Description	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Development cost:	(R67 517,00)						
Operation and Maintenance cost:	R0,00	(R30 000,00)	(R40 000,00)	(R50 000,00)	(R60 000,00)	(R70 000,00)	(R80 000,00)
Discount Factors for 5%:	1	0,95238095	0,907029478	0,863837599	0,822702475	0,783526166	0,746215397
Present Value of Annual <b>Cost</b> :	(R67 517,00)	(R28 571,43)	(R36 281,18)	(R43 191,88)	(R49 362,15)	(R54 846,83)	(R59 697,23)
<b>Total Present Value of Lifetime Costs:</b>	(R67 517,00)	(R96 088,43)	(R132 369,61)	(R175 561,49)	(R224 923,64)	(R279 770,47)	(R339 467,70)
Benefit Deprived from Operation of New System:	R0,00	R10 500,00	R14 000,00	R16 500,00	R18 000,00	R20 500,00	R23 000,00
Discount Factors of 5%:	1	0,95238095	0,907029478	0,863837599	0,822702475	0,783526166	0,746215397
Present Value of Annual <b>Benefit</b>	R0,00	R10 000,00	R12 698,41	R14 253,32	R14 808,64	R16 062,29	R17 162,95
<b>Total Present Value of Lifetime Benefits:</b>	R0,00	R10 000,00	R22 698,41	R36 951,73	R51 760,38	R67 822,66	R84 985,62
<b>NET PRESENT VALUE OF THIS ALTERNATIVE:</b>	(R67 517,00)	(R86 088,43)	(R109 671,20)	(R138 609,75)	(R173 163,26)	(R211 947,80)	(R254 482,08)

# TEL AVIV MUSEUM OF ARTS

## NET PRESENT VALUE ANALYSIS FOR ARTSYSTEMS PRO ALTERNATIVE

Rounded to the nearest R1

Cash Flow Description	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Development cost:	(R68 417,00)						
Operation and Maintenance cost:	R0,00	(R30 000,00)	(R40 000,00)	(R50 000,00)	(R60 000,00)	(R70 000,00)	(R80 000,00)
Discount Factors for 5%:	1	0,95238095	0,907029478	0,863837599	0,822702475	0,783526166	0,746215397
Present Value of Annual <b>Cost</b> :	(R68 417,00)	(R28 571,43)	(R36 281,18)	(R43 191,88)	(R49 362,15)	(R54 846,83)	(R59 697,23)
<b>Total Present Value of Lifetime Costs:</b>	(R68 417,00)	(R96 988,43)	(R133 269,61)	(R176 461,49)	(R225 823,64)	(R280 670,47)	(R340 367,70)
Benefit Deprived from Operation of New System:	R0,00	R10 500,00	R14 000,00	R16 500,00	R18 000,00	R20 500,00	R23 000,00
Discount Factors of 5%:	1	0,95238095	0,907029478	0,863837599	0,822702475	0,783526166	0,746215397
Present Value of Annual <b>Benefit</b>	R0,00	R10 000,00	R12 698,41	R14 253,32	R14 808,64	R16 062,29	R17 162,95
<b>Total Present Value of Lifetime Benefits:</b>	R0,00	R10 000,00	R22 698,41	R36 951,73	R51 760,38	R67 822,66	R84 985,62
<b>NET PRESENT VALUE OF THIS ALTERNATIVE:</b>	(R68 417,00)	(R86 988,43)	(R110 571,20)	(R139 509,75)	(R174 063,26)	(R212 847,80)	(R255 382,08)

# TEL AVIV MUSEUM OF ARTS

## NET PRESENT VALUE ANALYSIS FOR CUSTOM-BUILT ALTERNATIVE

Rounded to the nearest R1

Cash Flow Description	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Development cost:	(R10 000,00)						
Operation and Maintenance cost:	R0,00	(R10 000,00)	(R20 000,00)	(R30 000,00)	(R40 000,00)	(R50 000,00)	(R60 000,00)
Discount Factors for 5%:	1	0,952380952	0,907029478	0,863837599	0,822702475	0,783526166	0,746215397
Present Value of Annual <b>Cost</b> :	(R10 000,00)	(R9 523,81)	(R18 140,59)	(R25 915,13)	(R32 908,10)	(R39 176,31)	(R44 772,92)
<b>Total Present Value of Lifetime Costs:</b>	(R10 000,00)	(R19 523,81)	(R37 664,40)	(R63 579,53)	(R96 487,63)	(R135 663,93)	(R180 436,86)
Benefit Deprived from Operation of New System:	R0,00	R20 000,00	R30 000,00	R40 000,00	R50 000,00	R60 000,00	R70 000,00
Discount Factors of 5%:	1	0,952380952	0,907029478	0,863837599	0,822702475	0,783526166	0,746215397
Present Value of Annual <b>Benefit</b>	R0,00	R19 047,62	R27 210,88	R34 553,50	R41 135,12	R47 011,57	R52 235,08
<b>Total Present Value of Lifetime Benefits:</b>	R0,00	R19 047,62	R46 258,50	R80 812,01	R121 947,13	R168 958,70	R221 193,78
<b>NET PRESENT VALUE OF THIS ALTERNATIVE:</b>	(R10 000,00)	(R476,19)	R8 594,10	R17 232,48	R25 459,51	R33 294,77	R40 756,92