

**Costs Analysis - Wind power Farm**

		<b>Nordex 600 KW Wind Tower Model</b>		
<b>Investment Costs</b>	<b>Item</b>	<b>Quantity</b>	<b>Cost/Item</b>	<b>Amount</b>
<b>Feasibility Study</b>				
Site inspection	Day-person	6	\$500	\$3 000
Wind potential estimation	Meteorological tool	2	\$18 000	\$36 000
Environmental estimation	d-p	6	\$500	\$3 000
First conception	d-p	24	\$500	\$12 000
Detailed cost estimation	d-p	20	\$500	\$10 000
Report preparation	d-p	9	\$500	\$4 500
Project management	d-p	10	\$500	\$5 000
Travel and accommodation	Trip-person	4	\$2 500	\$10 000
Other costs	-	1	\$1 800	\$1 800
	<b>Sub-total:</b>			\$85 300
<b>Engineering</b>				
Wind power tower localisation	d-p	70	\$500	\$35 000
Mechanical conception	d-p	150	\$500	\$75 000
Electrical conception	d-p	190	\$500	\$95 000
Civil Engineering	d-p	30	\$500	\$15 000
Work supervision	year-person	0,5	\$350 000	\$175 000
	<b>Sub-total:</b>			\$395 000
<b>Energetic equipments</b>				
Wind Turbines	wind power tower	25	\$500 000	\$12 500 000
Spare parts	%	3%	\$12 500 000	\$375 000
Transport	wind power tower	25	\$3 000	\$75 000
	<b>Sub-total:</b>			\$12 850 000
<b>Allied infrastructures</b>				
Wind power tower foundation	wind power tower	25	\$58 000	\$1 450 000
Wind power tower erection	wind power tower	25	\$41 000	\$1 025 000
Approaches	miles	1,5	\$45 000	\$67 500
Network and transformer	project	1	\$650 000	\$650 000
Maintenance building	building	1	\$70 000	\$70 000
Transport	project	1	\$32 000	\$32 000
	<b>Sub-total:</b>			\$3 294 500
<b>Other costs</b>				
Training	d-p	20	\$5000	\$100 000
	<b>Sub-total:</b>			\$100 000
<b>Total Investment Cost:</b>				\$16 724 800

**Costs Analysis - Wind power Farm**

		750 KW Wind Tower Model		
Investment Costs	Item	Quantity	Cost/Item	Amount
<b>Feasibility Study</b>				
Site inspection	day-person	6	\$500	\$3 00
Wind potential estimation	meteorological tool	2	\$18 000	\$36 00
Environmental estimation	d-p	6	\$500	\$3 00
First conception	d-p	24	\$500	\$12 00
Detailed cost estimation	d-p	20	\$500	\$10 00
Report preparation	d-p	9	\$500	\$4 50
Project management	d-p	10	\$500	\$5 00
Travel and accommodation	trip-person	4	\$2 500	\$10 00
Other costs	-	1	\$1 800	\$1 80
<b>Sub-total:</b>				\$85 30
<b>Engineering</b>				
Wind power tower localisation	d-p	70	\$500	\$35 00
Mechanical conception	d-p	150	\$550	\$82 50
Electrical conception	d-p	190	\$550	\$104 50
Civil Engineering	d-p	30	\$500	\$15 00
Work supervision	year-person	0,4	\$350 000	\$140 00
<b>Sub-total:</b>				\$377 00
<b>Energetic equipments</b>				
Wind Turbines	wind power tower	20	\$800 000	\$16 000 00
Spare parts	%	3%	\$16 000 000	\$480 00
Transport	wind power tower	20	\$3 500	\$70 00
<b>Sub-total:</b>				\$16 550 00
<b>Allied infrastructures</b>				
Wind power tower foundation	wind power tower	20	\$60 000	\$1 200 00
Wind power tower erection	wind power tower	20	\$45 000	\$900 00
Approaches	miles	1,50	\$45 000	\$67 50
Network and transformer	project	1	\$650 000	\$650 00
Maintenance building	building	1	\$70 000	\$70 00
Transport	project	1	\$32 000	\$32 00
<b>Sub-total:</b>				\$2 919 50
<b>Other costs</b>				
Training	d-p	18	\$5 000	\$90 00
<b>Sub-total:</b>				\$90 00

<b>Total Investment Cost:</b>	20 021 800
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