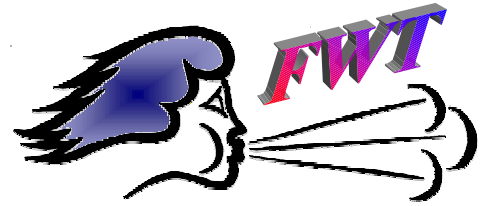


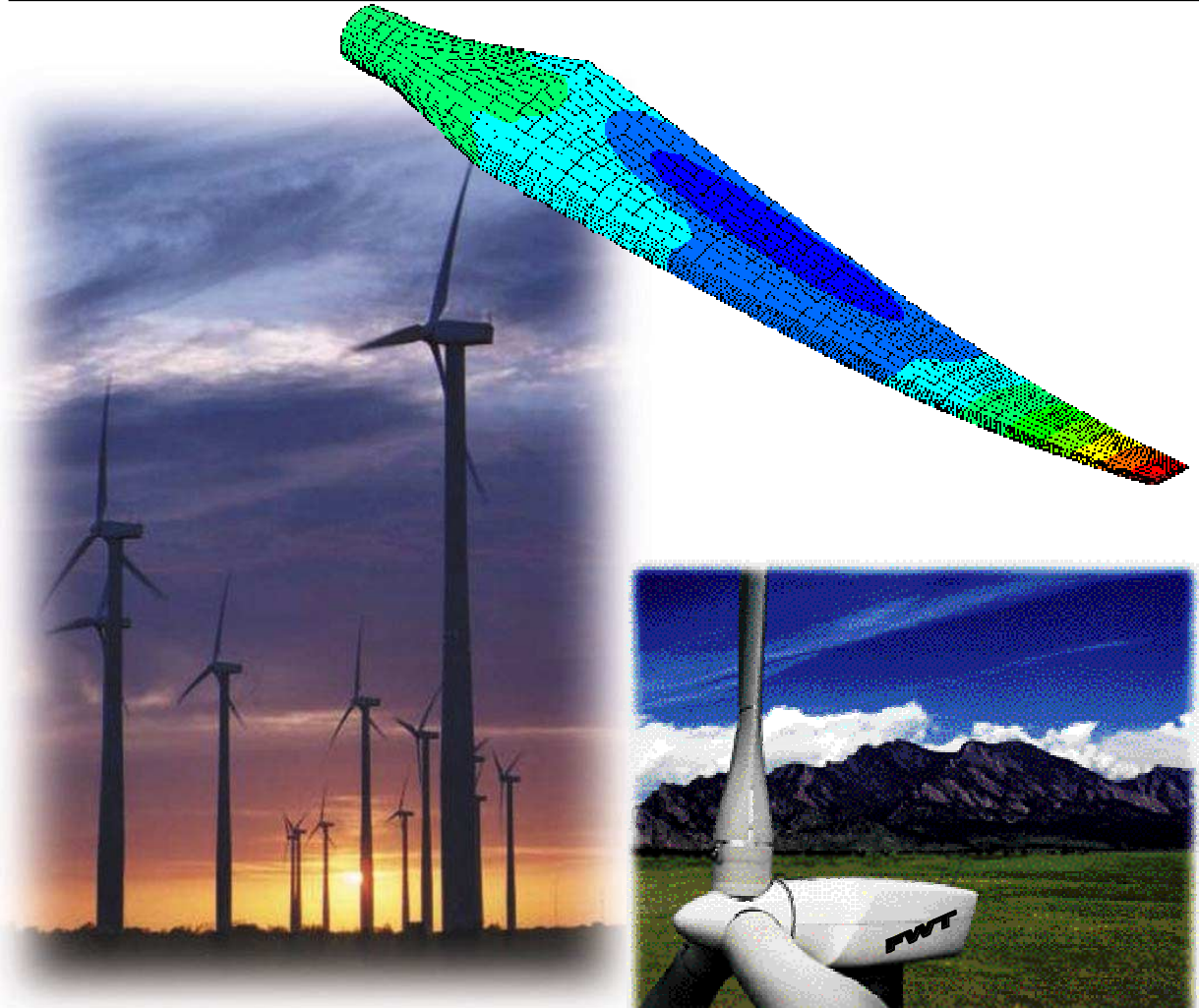


EnerQuest Power
Development Corporation



The Gust of Change
*France Wind
Technologies*

**JOINT VENTURE:
Wind Power Development Project
United States of America.
- Proposal Appendix -**





APPENDIX TABLE of CONTENTS.

Appendix I : Examples of the large range of our Products. _____ 2

Appendix II : Wind Maps. _____ 3

Appendix III : General Maps (Zoom Out & Zoom In). _____ 4

Appendix IV : National Park Map. _____ 6

Appendix V : Technical Specification of the FWT-P-900. _____ 7

Appendix VI : Technical Data of the FWT-J-900. _____ 10

Appendix VII : Financial Proposal for the FWT-P-900. _____ 13

Appendix VIII : Financial Proposal for the FWT-J-900. _____ 14



Appendix I : Examples of the large range of our Products.



J-400



J-900



P-1500



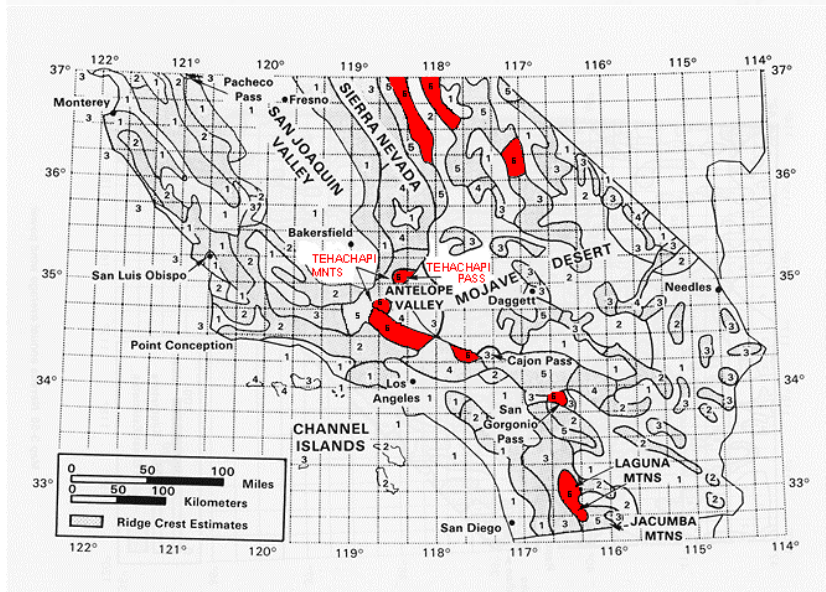
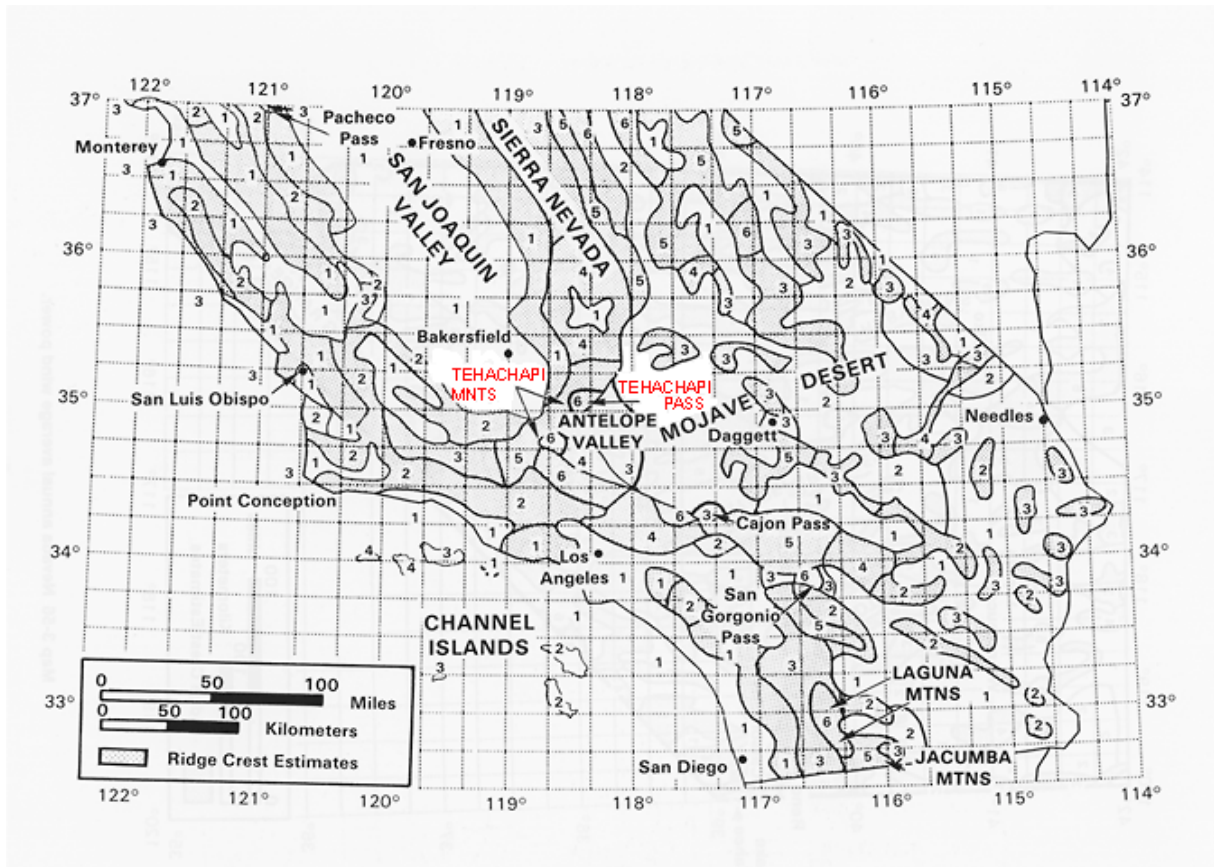
P-2500



P-900



Appendix II : Wind Maps.



By choosing the wind as a factor of localisation, we reduce the number of areas to 8 (zones in red).

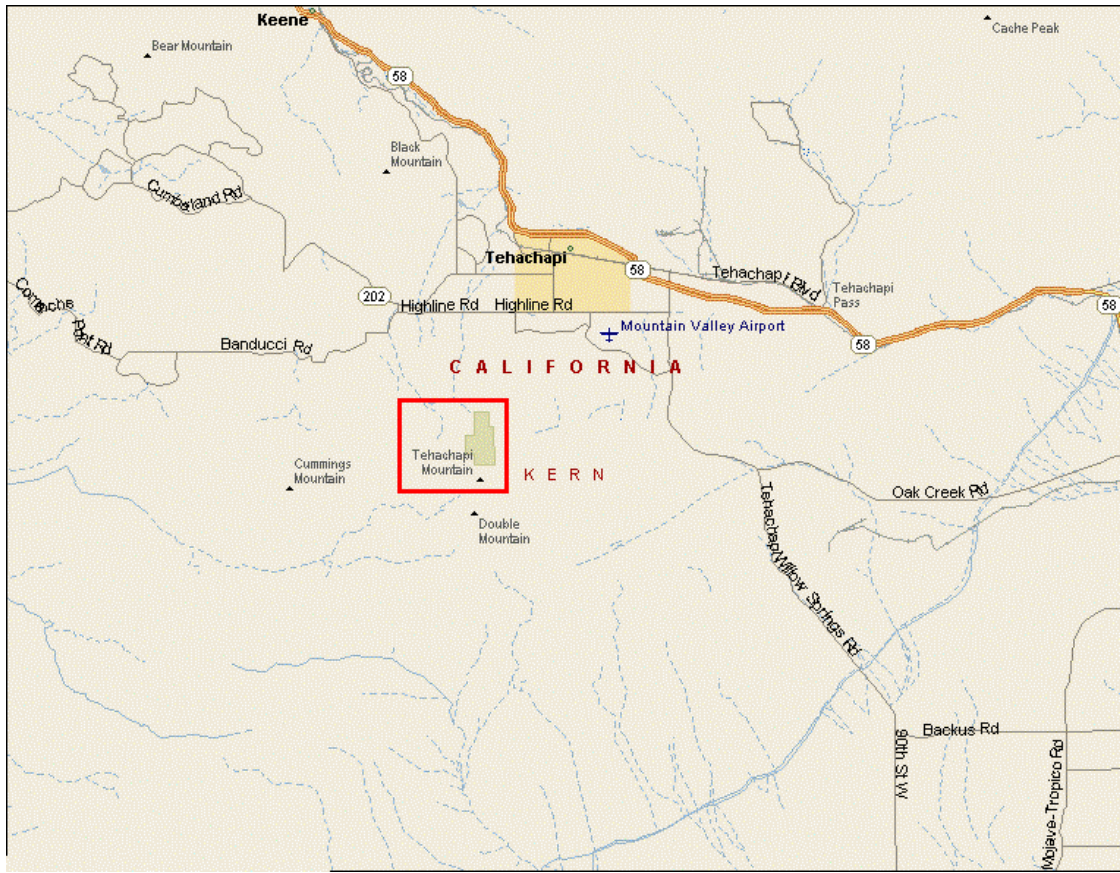


Appendix III : General Maps (Zoom Out & Zoom In).





Joint Venture





Appendix IV : National Park Map.





Appendix V : Technical Specification of the FWT-P-900.

General	
Nominal Power	900 kW
Rated Wind Speed ca	17 m/s
Cut In/Cut Out (Low)	3 m/s
Cut Out (high)	30 m/s
Cut In (high)	25 m/s
Survival Wind Speed	70 m/s
Fatigue Life	25 Years
Ambient Temp. (in oper)	-20 to +30jC
Turbine	
Type	3 Bladed, Horizontal Axis
Power Regulation	Stall
position	Upwind
Turbine Diameter	54,2 m
Swept Area	2300 m2
Tilt	5j
Coning	2j
Rotational Speed	22-15 rpm
Tip Speed	71 m/s
Blades	
Material	Glass Fibre Reinforced Polyester
Twist	11j
Optimal Tip-Speed Ratio	8
Air Brake	Full Span Pitch
Activation of Air Brake	Active, fail safe
Manufacture	Mat. Comp. France & California
Hub	
Type	Teeter +-2j
Material	Nodular Cast Iron
Teeter Bearing	Elastomeric
Teeter Bumpers	Elastomeric
Nacelle	
Material	Glass Fibre Reinforced Polyester
Dimensions	4,7*4,2*3,5 m
Gearbox	
Type	3 Stage Planetary
Gear Ratio	janv-69
Lubrication	Splash
Cooling	Separate Cooler
Manufacturer	GAF France

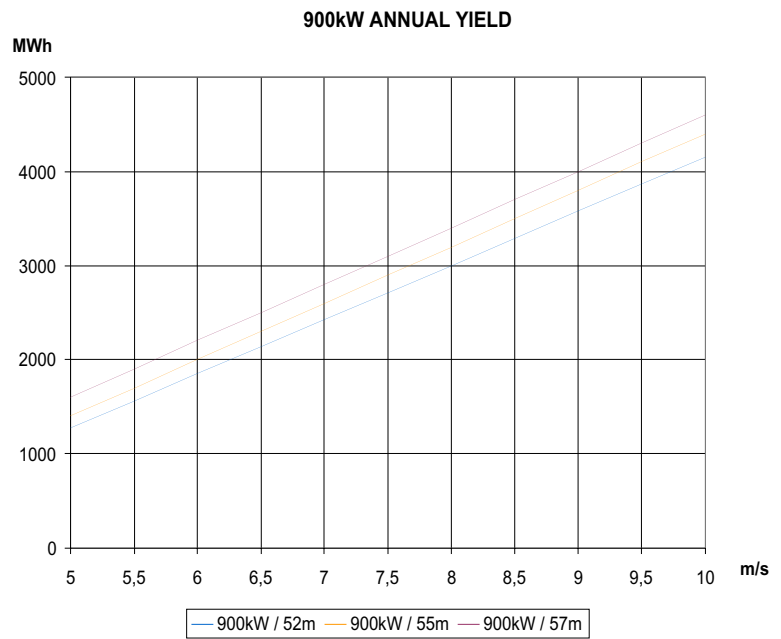
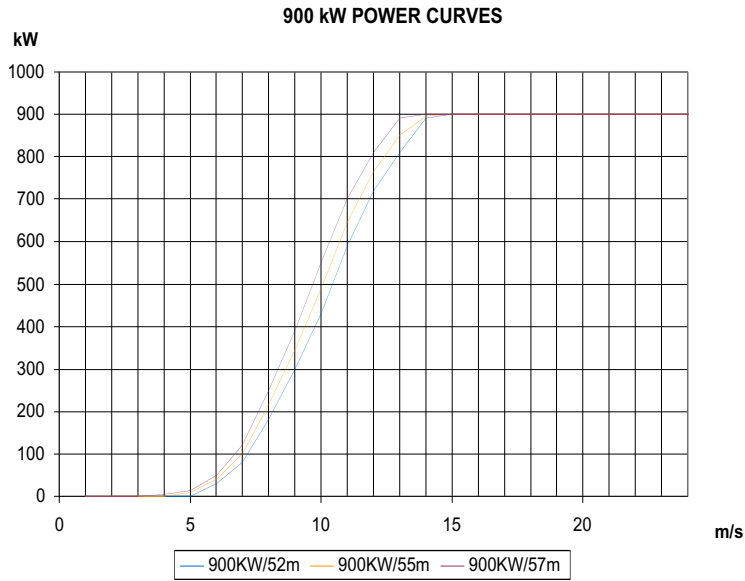


Appendix V (suite): Technical Data of the FWT-P-900.

Yaw System	
Bearing	Externally Geared Slewing
Drive	4 Electric Gear Motors
Brakes	Passive Friction Brake
Electrical System	
Type of Generator	4 poles induction
Rating	900 kW
Slip	Variable 1 - 5 %
Voltage	690 V
Enclosure	IP 54
Cabling	Flexible Cables
Cooling	Liquid (glycol water)
Power Factor	1,00/0,99 at 0/100% Power
Manufacture	Schneider FRANCE
Mechanical Brake	
Type	Disc Brakes
Position	High Speed Shaft
Activation / Desactivation	Spring / Electric
Tower	
Type	Tapered Tubular Powe
Height	60 m
Diameter Top/Bottom	2,01 / 2,75m
Plate Thickness	15 - 25 mm
Access	Inside Ladder with falling Protection
Control System	
Type	Micro Processor
Remote Control	By Modem
Manufacture	Intel
Weights	
Nacelle without Turbine	40 Tonnes
Turbine	27 Tonnes
Tower	55 Tonnes
Electrical Production	
Mean Wind Speed (m/s)	8,3 7,3 6,7 5,8
Energy (MWh/Year)	3280 2580 2150 1510
Noise Level	
Sound Power Level	120 dB
40 dB at distance	400 m



Appendix V (suite): Technical Data of the FWT-P-900.



**Appendix VI : Technical Data of the FWT-J-900.**

General	
Nominal Power	900 kW
Rated Wind Speed ca	15 m/s
Cut In/Cut Out (Low)	4 m/s
Cut Out (high)	25 m/s
Cut In (high)	21 m/s
Survival Wind Speed	55 m/s
Fatigue Life	25 Years
Ambient Temp. (in oper)	-20 to +30jC
Turbine	
Type	2 Bladed, Horizontal Axis
Power Regulation	Stall
position	Upwind
Turbine Diameter	54,0 m
Swept Area	2290 m ²
Tilt	4j
Coning	2j
Rotational Speed	25 rpm
Tip Speed	71 m/s
Blades	
Material	Glass Fibre Reinforced Polyester
Twist	11j
Optimal Tip-Speed Ratio	8
Air Brake	Turnable Blade Tips
Activation of Air Brake	Passive (loss of hydraulic pressure, centrifugal force)
Manufacture	Mat. Comp. France & California
Hub	
Type	Teeter +-2j
Material	Nodular Iron
Teeter Bearing	Elastomeric
Teeter Bumpers	Elastomeric
Nacelle	
Material	Glass Fibre Reinforced Polyester
Dimensions	6,8*3,5*2,6 m
Gearbox	
Type	2 stage planetary with integrated turbine bearings
Gear Ratio	1/60,7
Lubrication	Splash
Cooling	Separate heat exchanger
Manufacturer	GAF France

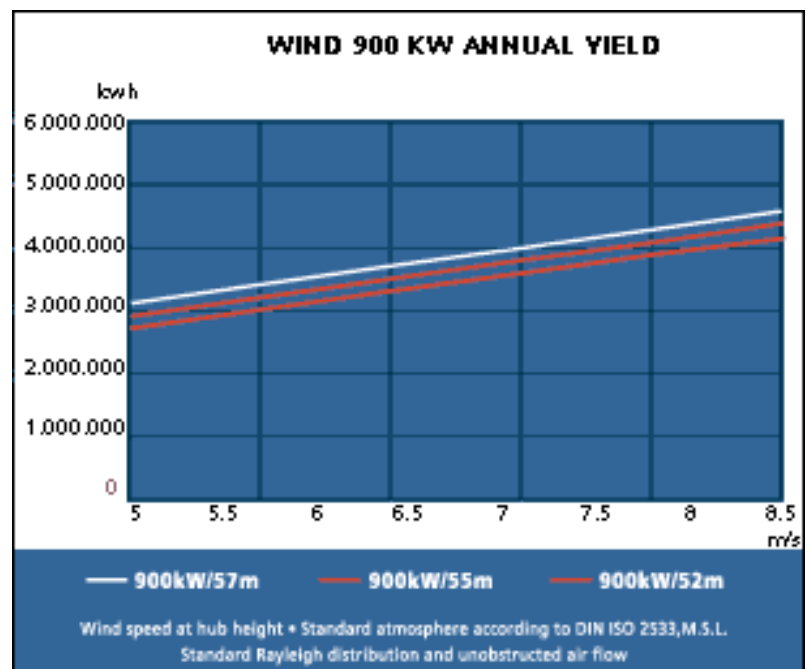
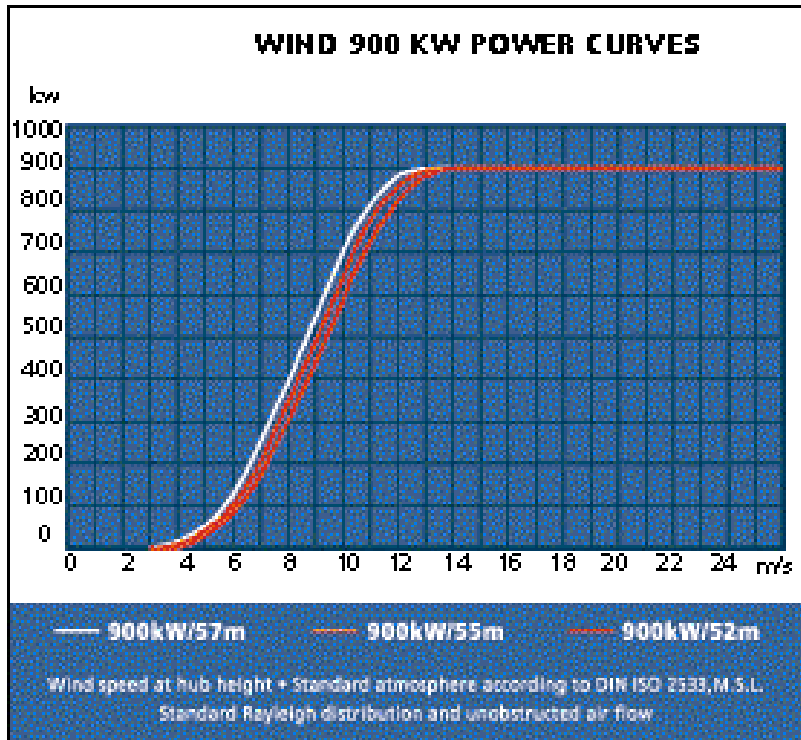


Appendix VI (suite): Technical Data of the FWT-J-900.

Yaw System	
Bearing	Rolling Bearing
Drive	3 Hydraulic Motors with Planetary Gearbox
Brakes	None
Electrical System	
Type of Generator	4 poles induction
Rating	900 kW
Slip	Variable 1 - 5 %
Voltage	690 V
Enclosure	IP 54
Cabling	Flexible Cables
Cooling	Liquid (glycol water)
Power Factor	1,00/0,99 at 0/100% Power
Manufacture	Schneider FRANCE
Mechanical Brake	
Type	Disc Brake with 2 calipers
Position	High Speed Shaft
Activation / Desactivation	Spring / Hydraulic Pressure
Tower	
Type	Welded Steel Tube, Painted
Height	58 m
Diameter Top/Bottom	1,88 / 2,64m
Plate Thickness	10 - 20 mm
Access	Inside Ladder with falling Protection
Control System	
Type	Micro Processor
Remote Control	By Modem
Manufacture	Intel
Weights	
Nacelle without Turbine	29 Tonnes
Turbine	17 Tonnes
Tower	45 Tonnes
Electrical Production	
Mean Wind Speed (m/s)	8,3 7,3 6,7 5,8
Energy (MWh/Year)	3280 2580 2150 1510
Noise Level	
Sound Power Level	100 dB
40 dB at distance	330 m



Appendix VI (suite): Technical Data of the FWT-J-900.





Appendix VII : Financial Proposal for the FWT-P-900.

Investment costs	Item	Quantity	Cost/Item	Amount
Feasibility Study				
Site inspection	day-person	4	500	2 000
Wind potential estimation	meteorological tools	2	18 000	36 000
Environmental estimation	d-p	4	500	2 000
First conception	d-p	12	500	6 000
Detailed cost estimation	d-p	12	500	6 000
Report preparation	d-p	9	500	4 500
Project management	trip-person	6	500	3 000
Travel and accomodation	-	4	2 500	10 000
Other costs		1	1 800	1 800
	sub-total			71 300
Engineering				
Wind power tower localisation	d-p	35	500	17 500
Mechanical conception	d-p	45	500	22 500
Electrical conception	d-p	65	500	32 500
Civil engineering	d-p	15	500	7 500
Work supervision	year-person	0	130 000	52 000
	sub-total			132 000
Energetic equipments				
Wind power tower	wind power tower	34	900 000	30 600 000
Spare parts	%	0,0300	3 900 000	117 000
Transport	wind power tower	34	2 000	68 000
	sub-total			30 785 000
Allied infrastructures				
Wind power tower foundation	wind power tower	34	58 000	1 972 000
Wind power tower erection	wind power tower	34	41 000	1 394 000
Approaches	miles	1	45 000	45 000
Network and transformer	project	1	650 000	650 000
Maintenance building	building	1	40 000	40 000
Transport	project	1	16 000	16 000
	sub-total			4 117 000
Other costs				
Training	d-p	10	650	6 500
Interest	%	0,0600	35 105 300	2 106 318
Unexpected costs	%	0,0500	35 105 300	1 755 265
	sub-total			3 868 083
		Total investment cost		38 973 383,00



Appendix VIII : Financial Proposal for the FWT-J-900.

Investment costs	Item	Quantity	Cost/Item	Amount
Feasibility Study				
Site inspection	day-person	4	500	2 000
Wind potential estimation	meteorological tools	2	18 000	36 000
Environmental estimation	d-p	4	500	2 000
First conception	d-p	12	500	6 000
Detailed cost estimation	d-p	12	500	6 000
Report preparation	d-p	9	500	4 500
Project management	trip-person	6	500	3 000
Travel and accomodation	-	4	2 500	10 000
Other costs		1	1 800	1 800
	sub-total			71 300
Engineering				
Wind power tower localisation	d-p	35	500	17 500
Mechanical conception	d-p	45	500	22 500
Electrical conception	d-p	65	500	32 500
Civil engineering	d-p	15	500	7 500
Work supervision	year-person	0	130 000	0
	sub-total			80 000
Energetic equipments				
Wind power tower	wind power tower	34	800 000	27 200 000
Spare parts	%	0,0300	3 900 000	117 000
Transport	wind power tower	34	2 000	68 000
	sub-total			27 385 000
Allied infrastructures				
Wind power tower foundation	wind power tower	34	58 000	1 972 000
Wind power tower erection	wind power tower	34	41 000	1 394 000
Approaches	miles	1	45 000	45 000
Network and transformer	project	1	650 000	650 000
Maintenance building	building	1	40 000	40 000
Transport	project	1	10 000	10 000
	sub-total			4 111 000
Other costs				
Training	d-p	10	650	6 500
Interest	%	0,0600	31 647 300	1 898 838
Unexpected costs	%	0,0500	31 647 300	1 582 365
	sub-total			3 487 703
		Total investment cost		35 135 003,00