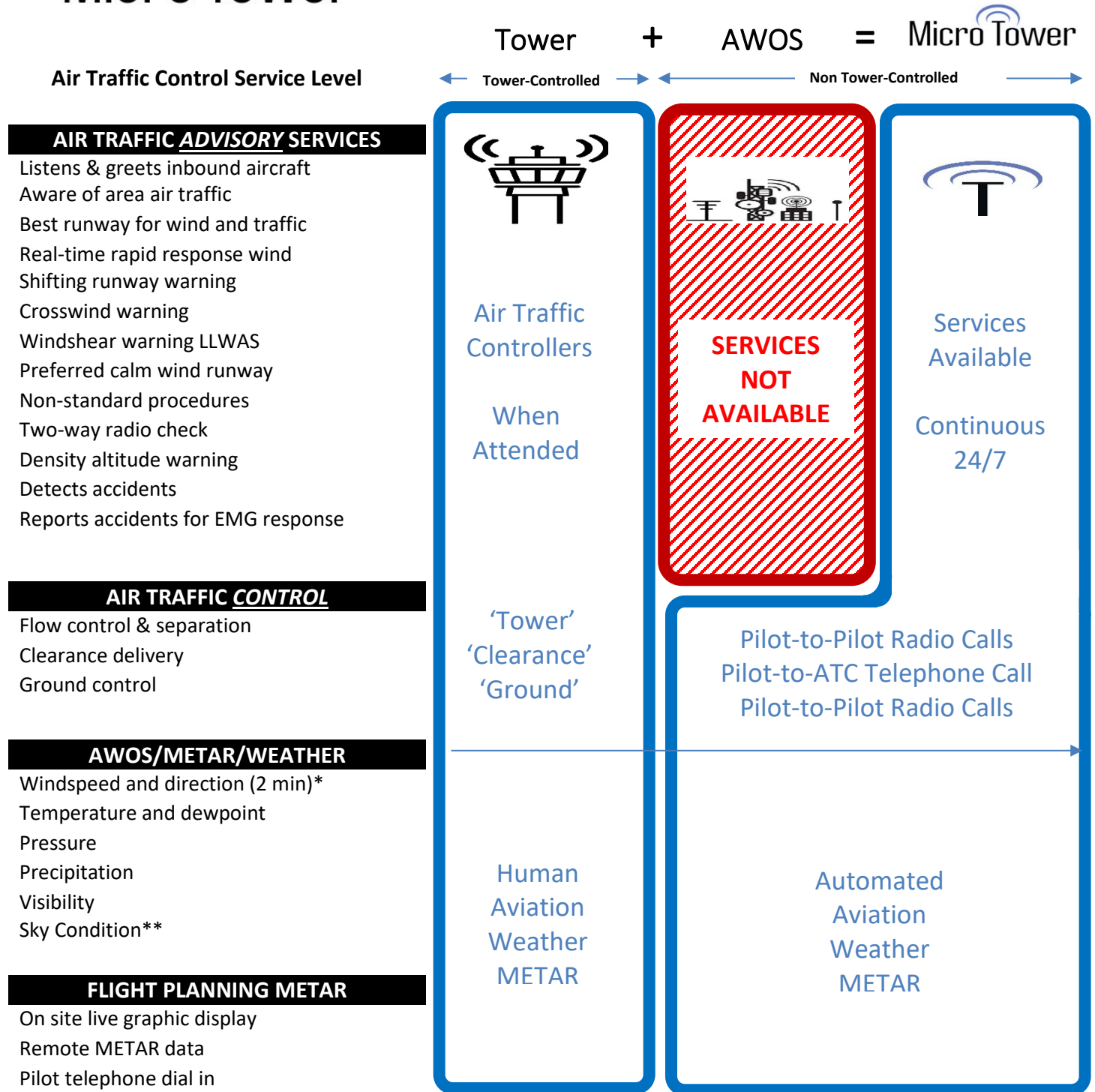


Micro Tower

Features and Benefits



BOTTOM LINE

Project timeframe	5-7 years	2-4 years	One day
Total installed cost	\$5m-\$12m	\$300-600k	Inquire
Ongoing cost per year	\$1m-\$4m	\$5-10k-20k	Less than \$1k
20 year total project cost	\$25m+	\$500k min	Inquire



AWOS problem

Micro Tower solution

ON-SITE REQUIREMENTS	Power Required	Continuous on-site AC power	None - 100% solar	
	Connectivity	Onsite LAN or Telephone	Global Satellite to Internet	
	Wind mast		Obstruction hazard	No hazard
			Requires airspace approval	No airspace study
			Requires 500 ft clear	Installs like any windsock
			Condemns 18 acres 7 hectares	No impact to land use
		Minimum 250ft from runway	Installs near runway	
	Non-Breakable	Breakable		
Installation	Special equipment required	No equipment required		
Maintenance	Special equipment required	No equipment required		
VHF FREQUENCY	Requirement	Requires discrete VHF	None - Shares VHF CTAF	
	Application Process	2-3 year application process	None	
RADIO	Transmitter Range	10 miles (typical)	25 miles (typical)	
	Receiver Range	None	25 miles (typical)	
	Tx Rx Diagnostics	None	Built-in	
	Tx Rx Adjustment	None	Remote	
WIND	Sensor height	10m	3m	
		Legacy 'standard'	Comparable results	
	Remote planning Over VHF Radio	*Slow 2-minute average	2-minute average	
		*Slow 2-minute average	Real-Time winds	
SKY	Sensor	Standard laser ceilometer	Proprietary thermal imager	
	Cloud base	'Precision' - 200ft	Estimates only - IFR/VFR	
	Coverage	Octants	Estimates only CLR/BKN/OVC	
	Power	**500 watts continuous	Less than 2 watts	
	Maintenance	**Costly & Regular	None	
SUPPORT	Cost	Very high	Very low	
	Verification	Technician site visit	Internal/continuous/remote	
	Calibration	Technician site visit	Internal/continuous/remote	
	Inspection interval	90 days typical	Internal/continuous/remote	
	Tech Qualifications	Manufacturer technician only	Anyone - No training required	
	Remote maintenance	Working or Not working	Monitor & Adjust All	

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