Title: Quality Functional Model - Helium Mav

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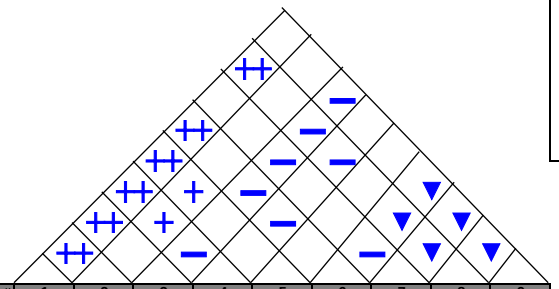
Notes:

Legend		
⊖	Strong Relationship	9
O	Moderate Relationship	3
▲	Weak Relationship	1
++	Strong Positive Correlation	
+	Positive Correlation	
−	Negative Correlation	
▼	Strong Negative Correlation	
▼	Objective Is To Minimize	
▲	Objective Is To Maximize	
x	Objective Is To Hit Target	



Row #	Max Relationship Value in Row	Relative Weight	Weight / Importance	Quality Characteristics (a.k.a. "Engineering Requirements") / Demanded Quality (a.k.a. "Costumer Requirements")	Costs	Maintenance	Weight	Speed	Life Efficiency	Size	Altitude Consistancy	Volume	Buoyancy
Column #					1	2	3	4	5	6	7	8	9
				Direction of Improvement: Minimize (▼), Maximize (▲), or Target (x)	▼	▼	▼	▲	▲	x	x	▼	▲
1	9		#REF!	Effectiveness of Flight	O		⊖	⊖		⊖	O	O	⊖
2	9		#REF!	Duariblity	⊖	O			⊖	O	▲		
3	9		#REF!	Storage	O	▲	O			⊖		⊖	
4	9		#REF!	Distance	O		⊖	⊖		⊖	O	O	O
5	9		#REF!	Manufacture	⊖	▲	▲	▲	O	O		O	O
6	9		#REF!	Camera	⊖	▲	O		▲	O		O	⊖
7	3		#REF!	Maintenance	O	O				O			
8	9		#REF!	Cost	⊖	⊖	⊖	⊖	⊖	⊖		⊖	⊖
9	3		#REF!	User friendly	O	O							
10	9		#REF!	Shelf parts	⊖	O	O	O	⊖	O		O	O
11	9		#REF!	Weather Sensors	⊖	⊖	⊖		O	O		O	O
12			#REF!										
13			#REF!										
14			#REF!										
15			#REF!										
				Units	$	hrs	kg	m/s	hrs	m	m	m^3	N/m^2
				Difficulty (0=Easy to Accomplish, 10=Extremely Difficult)	8	5	9	9	3	10	10	7	10
				Max Relationship Value in Column	9	9	9	9	9	9	3	9	9
				Weight / Importance									
				Relative Weight									