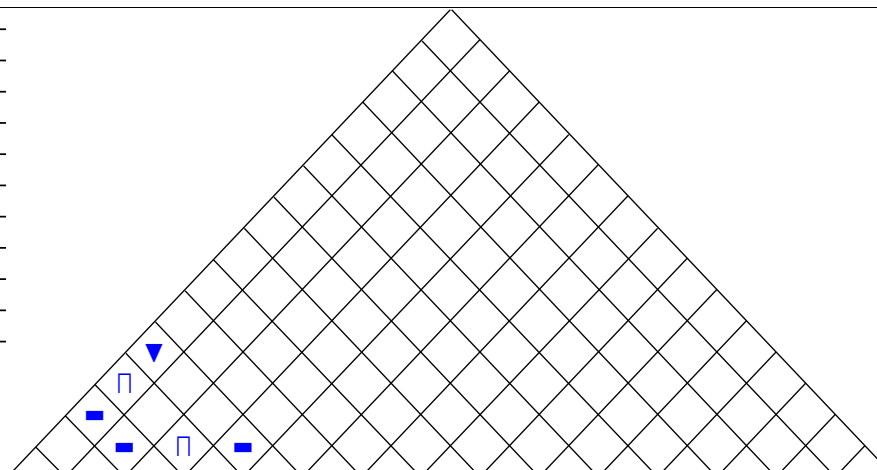












[illegible]

Legend		
	Strong Relationship	9
	Moderate Relationship	3
	Weak Relationship	1
	Strong Positive Correlation	
	Positive Correlation	
	Negative Correlation	
	Strong Negative Correlation	
	Objective Is To Minimize	
	Objective Is To Maximize	
	Objective Is To Hit Target	

				Column #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Competitive Analysis (0=Worst, 5=Best)						
Row #	Max Relationship Value in Row	Relative Weight	Weight / Importance	<div>Direction of Improvement: Minimize (▼), Maximize (▲), or Target (x)</div>	Quality Characteristics (a.k.a. "Functional Requirements" or "Hows")																					
				<div>Demanded Quality (a.k.a. "Customer Requirements" or "Whats")</div>	Type of sensor	Communication devices	battery	Solar cell	casing													Positive Resonance	ShockLog	LORD/Microstrain	Vibra-Tech	Competitor 4
1	9	3.4	1.0	Light Weight	▲	▲	○	▲	⊖													4	5	3		
2	9	17.2	5.0	Wireless		⊖	○	▲														2	4	2		
3	9	13.8	4.0	Energy Efficient	▲	⊖	○	⊖														3	4	3		
4	3	10.3	3.0	Simplistic		○	○	▲	▲													3	3	4		
5	9	17.2	5.0	Robust		▲		▲	⊖													2	3	5		
6	3	17.2	5.0	Temporary data storage			○	▲														2	3	4		
7	9	13.8	4.0	Modular			⊖		▲													5	5	5		
8	9	6.9	2.0	Cost	○	○	⊖	○	▲													4	3	2		
9																										
10																										
				Target or Limit Value																						
				Difficulty (0=Easy to Accomplish, 10=Extremely Difficult)																						
				Max Relationship Value in Column	3	9	9	9	9																	
				Weight / Importance	37.9	351.7	372.4	210.3	217.2																	
				Relative Weight	3.2	29.6	31.3	17.7	18.3																	

Positive Resonance

ShockLog

LORD/Microstrain

Vibra-Tech

Competitor 4

Competitor 5

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