site: Customer: Uni	niversity Park Airport			1							
Installation	, ,		UNV (FAA Identifier)								
Installation	infrastructure system fo	: University Park Airport									
		Ilation EA infrastructure system for cargo demands through 2040									
product:	oduct: EA mirasuuciure system for cargo demands inrough 2040										
Unmitigated: Worst				Un-mitigated consequence score				Mitigated Consequence Score			
Risk ID # yste	tem description are	Possible risk	Outcome	Likelihood	Severity	Risk grade	SRM controls	Likelihood	Severity	Risk Grade	Worst outcome (mitigated)
							Fire Supression Systems				
							Regular safety inspection of panels				
1.0		Panel fire	Major asset loss	2	5	9	for fire hazards	1	2	Low	Small fire
							Computerized early warning and				
							shutdown system				
1.1		Solar Panel Toxicity	Not enough power for planes	2	4	Medium	Use alternate engery genetation	1	4	Low	Price increase
	Power generation		F		, i		methods when nessisary	•		20	
1.2		Electrocution Hazard from solar panel	Death of a worker	2	5	Very High	Only have specific staff interact with the panels	1	5	Medium	Death of a worker
1.3		Area can't genetate power well	Not enough power for planes	2	5	High	Off site power when nessisary	2	4	Medium	Price increase
							Ensure grid-connected supply				Temporary usage of other source
1.4		Power generation instability	Lack of sustainable power	2	3	Medium	Tune energy demands to grid	1	2	Low	of power
							availibility				or power
2.1	Power distribution	Power outage	Planes cannot charge and airport must shut down	5	5	Very High	Back up charging system	1	5	Medium	Planes cant charge temporarilly
							Fire Suppresion Systems				
							Advanced battery management system				
3.0		Battery fire	Total asset loss	2	5	High	, , ,	1	5	Medium	Localized fire
							Charge only validated and healthy				
							batteries			_	
3.1	0 0		Throughput hindered	2	3		Proper charger maintenance	1	3	Low	Drastically reduced downtime
3.2	Ľ	Connector incompatibility	Aircraft stuck at airport	2	4	Medium	Stargetic flight operations	1	4	Low	Aircraft stuck at airport
3.3		, ,	Worker death	2	5	Very High	Established process and safety proceeders	1	5	Medium	less likelihood
3.4		Incomplete charge before scheduled takeoff	Flight delays	4	1	Low	Advanced scheduling with margin for error	1	1	Low	slight delays
4.0			Insufficent funding	2	5	High	Find outside funding	2	4	Medium	New funding might not be
							IX1				sufficent
4.1	Solution Marketing	Biofuel becomes standard	Soluton isnt as useful	2	4	Medium	Use less panels to just provide power to airport	2	2	Low	Buniess model is limited
4.2		Lack of market interest	Solution Failure	3	5	High	Market solution elements to other industries	3	2	Medium	Finding customers is difficult