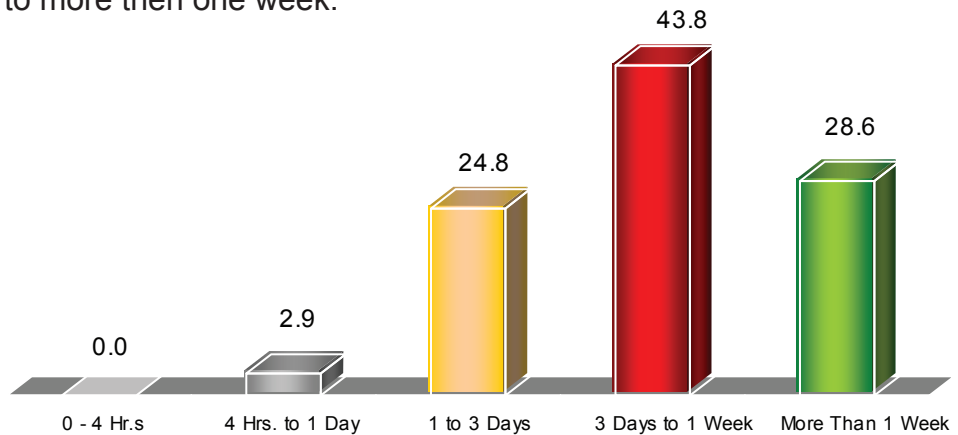
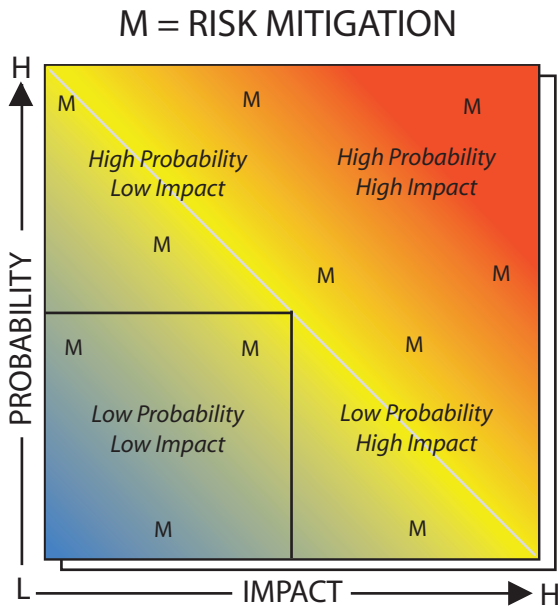


## The Elusive Five 9's: What does it mean?

Originally, the 99.999% consideration focused on “reliability”. But, demand forced IT centric markets to adopt and impose an even greater mandate: that of availability. Ironically, most of the security measures that have been deployed and implemented since 1965, have predominately served to assure reliability, not availability. As the Debris Survey chart below shows, 97% of businesses surveyed say they can survive without their data for 4 hours a day. But, that same 97% are out of business if data is unavailable for 1 to 3 days to more then one week.



**AVAILABILITY:** Proactively stop the incident from becoming an event.

Over 50% of mission critical failures are due to structural breaches, these are the type of events that result in denying users access to or “availability” of crucial operations for 3 days and more. Structural Security provided by iFortress protects mission critical technology and assets by mitigating risks and ensuring that your availability objectives are met.

## Introducing iFortress: The next generation in the evolution of Tier IV security

	TIER 1	TIER 2	TIER 3	TIER 4	iFortress
Number of delivery paths	Only 1	Only 1	1 Active 1 Passive	2 Active	2 Active
Redundant components	N	N+1	N+1	2 (N+1) or S+S	2 (N+1) or S+S
Support space to raised floor ratio	20%	30%	80-90%	100%	100%
Initial watts/ft.*	20-30	40-50	40-60	150	150
Ultimate watts/ft.*	20-30	40-50	100-150	150+	150+
Raised floor height	12"	18"	30-36"	30-36"	30-36"
Floor loading pounds/ft.*	85	100	150	150+	150+
Utility voltage	208,480	208,480	12-15kv	12-15kv	12-15kv
Months to implement	3	3 to 6	15 to 20	15-20	15-20
Year first deployed	1965	1970	1985	1995	1995
Construction 5/ft raised floor*	\$450	\$600	\$900	\$1100	\$1100
Annual IT downtime due to site	28.8 hrs	22 hrs	1.6 hrs	.4 hrs	.4 hrs
Site availability	99.671%	99.749%	99.982%	99.995%	99.995%

**Tier Similarities and Differences Source: The Uptime Institute**

\*National Average Construction Costs/Sq ft (conventional walls, floor, ceiling, doors, dampers, etc) includes mechanical, electrical, and plumbing (MEP) costs with redundancies for 5,000 to 15,000 sq ft facilities