



## BitMint Resilience Technology

*Prevention \* Mitigation \* Recovery*

BitMint technology suit (more than 40 patent applications) offers a fabric of resilience warranted by modern cyber space dwelling societies. The more comfortable we are with fully operational cyber space implements, the more we are tempted to ignore the ever mounting likelihood for one of the increasing number of crippling scenarios to take place. Any one surrendering to this temptation is likely to face a catastrophe, which will disproportionately affect the more advanced societies. Evolving into 5G complexity, our vulnerability to unintentional cardinal errors, man-made attacks, and natural disasters is mushrooming. BitMint raises a warning flag and offers its resilience-technology suit to prepare for a stormy day. Our suit includes means to beef-up defense and prevention, tools to affect real-time mitigation, as well as recovery solutions.

**Prevention:** nominal data systems are leaking information useful to hackers. BitMint offers tools to prevent much of this leakage, denying hackers the hooks they need to latch into the attacked systems. We offer quantum-resistant encryption technology that is provable defense against the imminent threat of adversarial quantum computers. We offer battery-friendly encryption to power up the ever-growing Internet of Things. We developed IP to nest within a public-facing network, a super-secure "skeleton" subnet to maintain its integrity.

**Mitigation:** BitMint designed a very high resolution pay-as-you-go paradigm, where all cyber services are payable via tethered money (see "Tethered Money" book by Elsevier), allowing a central authority to real-time shut down affected parts of cyber space. BitMint networks are built with a fast disengagement capability to quickly protect unaffected zones and limit the damage to well fenced area.

*BitMint technology offers payment continuity under network shut down conditions.*

**Recovery:** BitMint technology offers database recovery and damage avoidance even after that database has been compromised. BitMint Skeleton Technology re-constructs a compromised system, by building on the unaffected super-secure subnet.

The common thread through BitMint technology is the smart and effective use of quantum-grade randomness. It is BitMint pioneering realization that quantum randomness is cyber-oil. Much as oil extracted from the depth of the earth powered up the 20th century, so quantum-randomness extracted from the depth of the microcosms brings resilience, sustainability, and prosperity to this century.

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