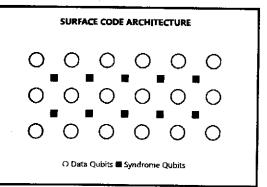
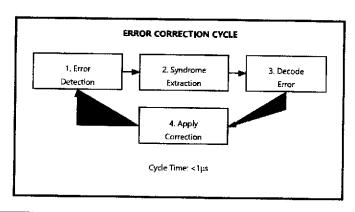
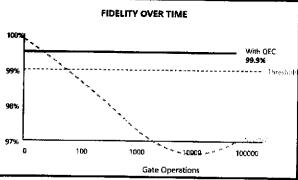
## FIGURE 10: QUANTUM ERROR CORRECTION INTEGRATION - 99.9% FIDELITY







Error Type	Physical Rate	Logical Rate
Bit Flip (X)	10^-3	10^-9
Phase Flip (Z)	10^-3	10^-9
Depolarizi <del>ng</del>	10^-3	10^-10
T Gate	10^-4	10^-12

## **QUANTUM ERROR CORRECTION PROPERTIES**

- Code: Surface/Topological - Stabilizers: XXXX, ZZZZ
- Distance: d=17 Decoder: MWPM
- Threshold: 1%

• Latency: less than 1µs

- Qubits: n=289 physical/logical
- Logical gates: Transversal
- Syndrome: Real-time
- Al Agent: QEC Monitor

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