# The quantum leap
## in computing

## The truth about quantum computers

Quantum computing **uses superconducting qubits** to exponentially boost computing speed.

## Building bigger quantum systems

**Linear qubit segments** have been replaced by four superconducting qubits on a one-quarter-square-inch chip.

## Stopping and minimising quantum errors

Exposure to heat makes qubits more error-prone, but we already know **how to identify bit-flip and phase-flip errors.**

## Uses for quantum computers

Computing will improve big data analysis, the **development of new drugs and materials,** machine learning and cryptography, etc.

*Source: TechTarget.*