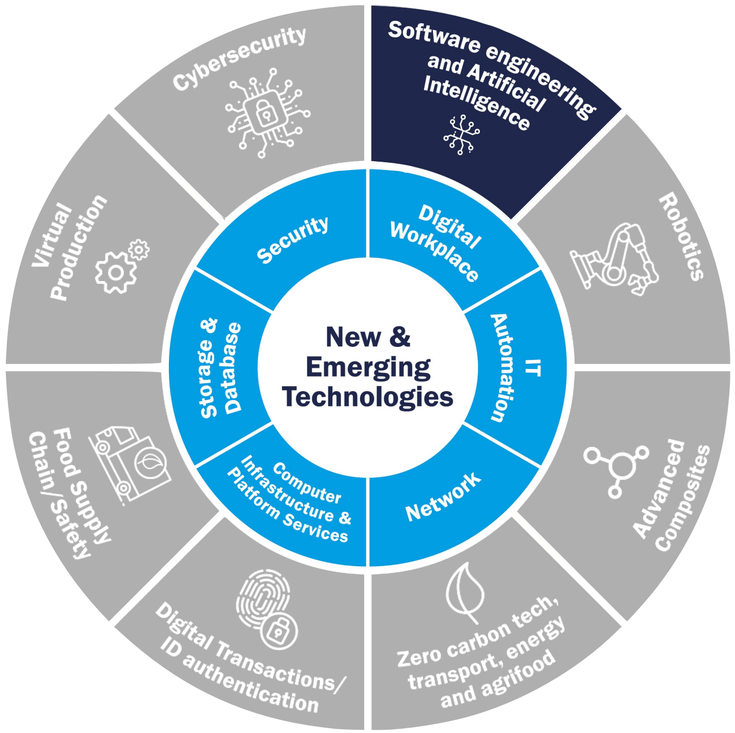


Sources	Intel	Date	May 2021

Potential scale of impact	Certainty of outcome	Impact horizon
★★★☆	★★☆☆	H1 H2 H3

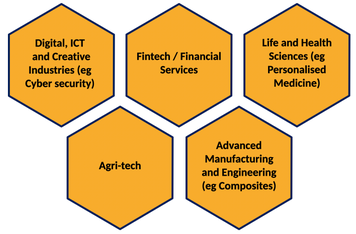
An increasing number of companies across various sectors are turning to edge computing to drive business transformation and accelerate growth, suggests a new survey from Intel called The edge outlook: the now, the new and the next of edge computing.

The rate at which the world is changing is exacerbated by the global pandemic, climate crisis and rising sociopolitical tensions. Technology use has grown exponentially during the pandemic, generating new, unprecedented volumes of critical business data. This data will be central to the digital transformation of many businesses, but they face very real data processing challenges. For example, it's impractical to send the sheer volume of data now being created back to the cloud for processing due to latency issues.

This is where edge computing can play a critical role in driving efficiencies and underpinning the future growth of business. Edge computing is the logical evolution of continued decentralisation of the internet, adding more internet density to fill out areas that traditionally have had little to no IP signalling. It takes a vast array of paths, development and infrastructure to make it work.

IT leaders increasingly see the edge as integral to driving operational efficiencies with 76% of those surveyed agreeing that identifying "the ideal location" for processing data is a challenge.

Similarly, by enabling frequent patient monitoring and data collection, integration with electronic health records and AI-powered patient data analysis, Intel believes that edge computing is key to driving change even in the healthcare industry. The report notes that (for example), Philips used edge computing to speed CT scan imaging by 188 times without the need to add hardware acceleration. In the same vein, edge deployments helped Audi boost weld inspection speed by 100 times with just 18ms of latency.



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