

reflecting reality DIGITAL TWINS: ADDING INTELLIGENCE TO THE REAL WORLD

Digital twins can drive high performance and sustainability

Digital twin investments are driven by top and bottom lines, as well as safety, sustainability, and brand reputation



Extent to which organizations agree that the below are the key drivers of their digital twin investments

Source: Capgemini Research Institute, Digital Twins survey, September–October 2021, N=1,000 organizations.

Organizations realize a multitude of benefits from their digital twin implementations

Average benefits realized from various digital twin implementations

16% 15% 15% 15%



Source: Capgemini Research Institute, Digital Twins survey, September–October 2021, N=800 organizations with ongoing digital twin programs, benefits averaged across the various use cases.

More than half of the surveyed organizations lean on digital twins to improve their sustainability, and a few are already reaping the benefits



agree that one of the key drivers of their digital twin investments is improving sustainability efforts



have implemented digital twins, at scale, to understand and predict energy consumption and emissions



agree that digital twins will help in achieving their organization's environmental sustainability goals



is the average improvement in sustainability realized owing to digital twins

Source: Capgemini Research Institute, Digital Twins survey, September–October 2021, N=800 organizations with ongoing digital twin programs.

02 Digital twins add value throughout the value chain

Product, logistics, and asset twins solve issues and provide added value



(1) Manufacturing continuous processes will require dedicated design & simulation tools Source: Capgemini analysis.

03 Frontrunners in the digital twin journey win the greatest benefits

Frontrunners (13% of organizations) outperform all others in the six areas of transformation



Frontrunners realize anywhere between 65% and 75% higher benefits compared to others



'Delta' represents the differential in benefits attained by the frontrunners. Source: Capgemini Research Institute, Digital Twins survey, September–October, N=131 frontrunners, N=869 other organizations.

04 How to accelerate transformation through digital twins?

Accelerating digital twin deployment



Source: Capgemini Research Institute analysis.



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