

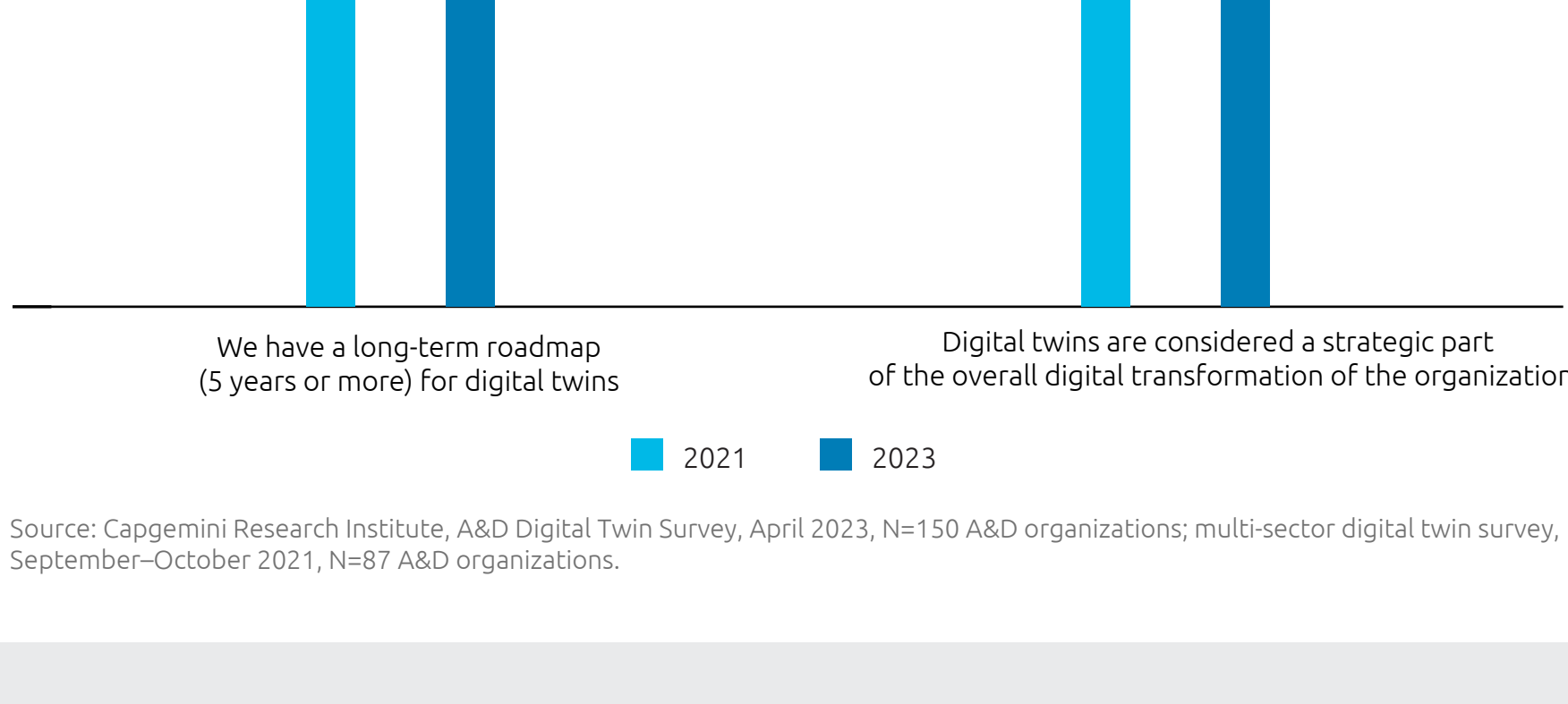
Mirroring reality

DIGITAL TWINS IN AEROSPACE AND DEFENSE

A&D INVESTMENTS IN DIGITAL TWINS INCREASE BY 40 PERCENT AS CONFIDENCE IN THE TECHNOLOGY GROWS

More organizations realize the importance of digital twins today compared to 18 months ago

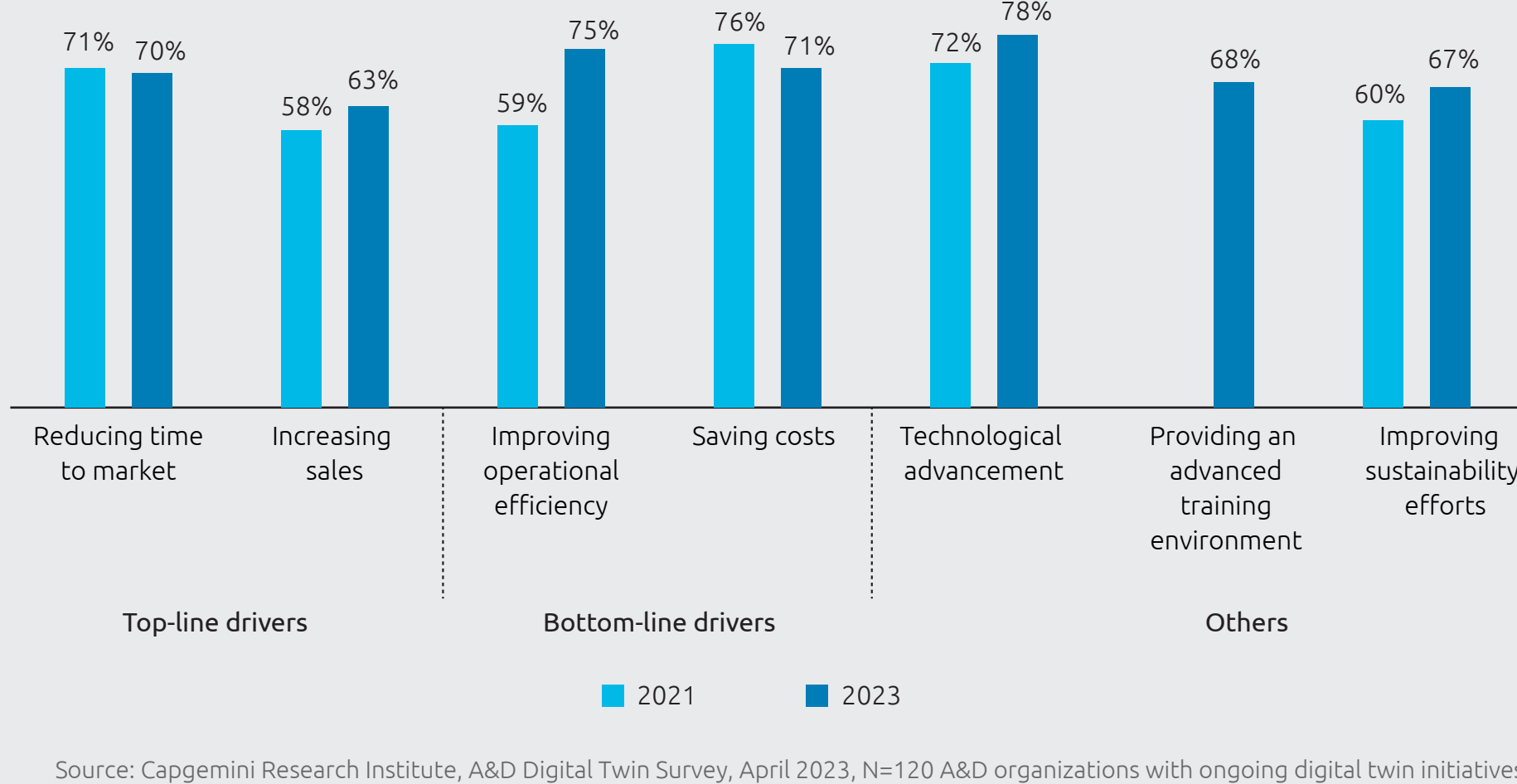
INCREASED RECOGNITION OF THE IMPORTANCE OF DIGITAL TWIN TECHNOLOGY



Source: Capgemini Research Institute, A&D Digital Twin Survey, April 2023, N=150 A&D organizations; multi-sector digital twin survey, September–October 2021, N=87 A&D organizations.

Both top-line and bottom-line considerations drive digital twin investments

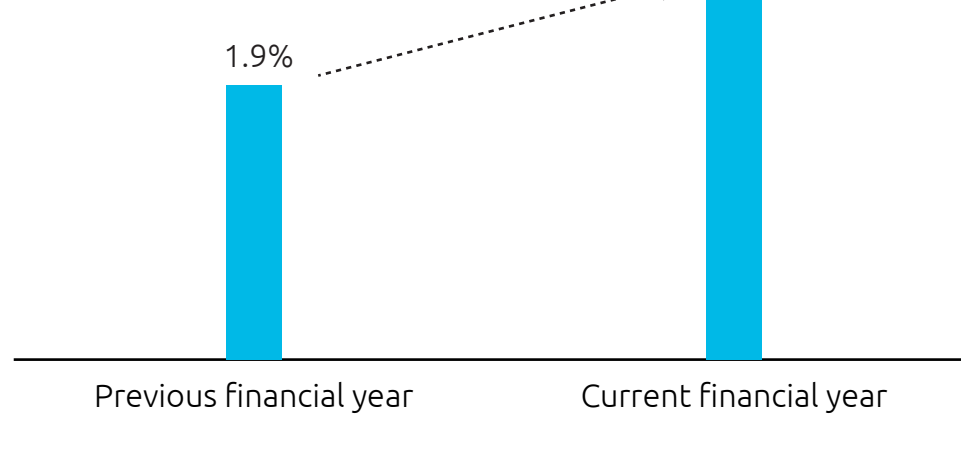
EXTENT TO WHICH ORGANIZATIONS AGREE THAT THE BELOW FACTORS ARE KEY DRIVERS OF THEIR DIGITAL TWIN INVESTMENTS



Source: Capgemini Research Institute, A&D Digital Twin Survey, April 2023, N=120 A&D organizations with ongoing digital twin initiatives; Multi-Sector Digital Twin Survey, September–October 2021, N=85 A&D organizations with ongoing digital twin initiatives. The 2021 study did not have "providing an advanced training environment" and hence no data is shown here.

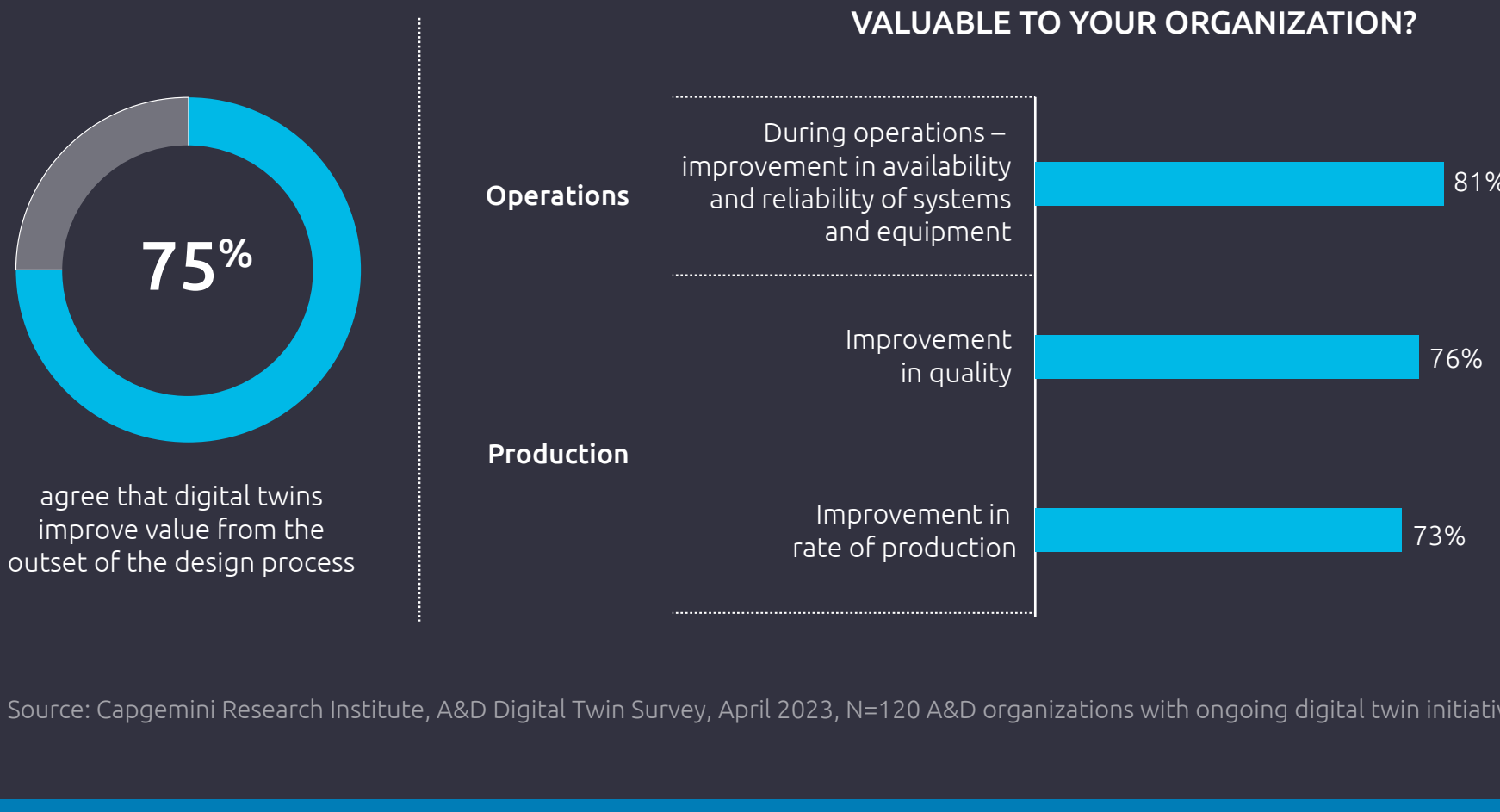
A&D organizations plan to invest 2.7 percent of their revenue in digital twin initiatives

INVESTMENT IN DIGITAL TWINS AS A PERCENTAGE OF REVENUE



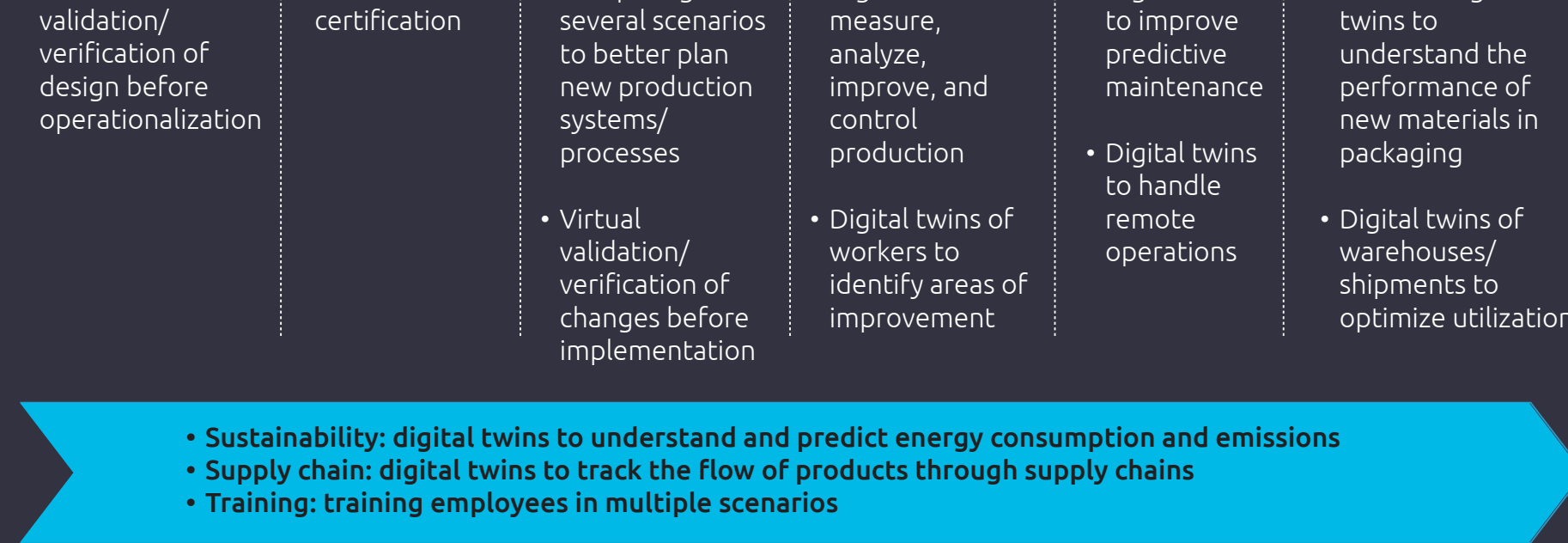
Source: Capgemini Research Institute, A&D Digital Twin Survey, April 2023, N=150 A&D organizations.

Digital twins promote efficiency by design and also give an operational boost



Source: Capgemini Research Institute, A&D Digital Twin Survey, April 2023, N=120 A&D organizations with ongoing digital twin initiatives.

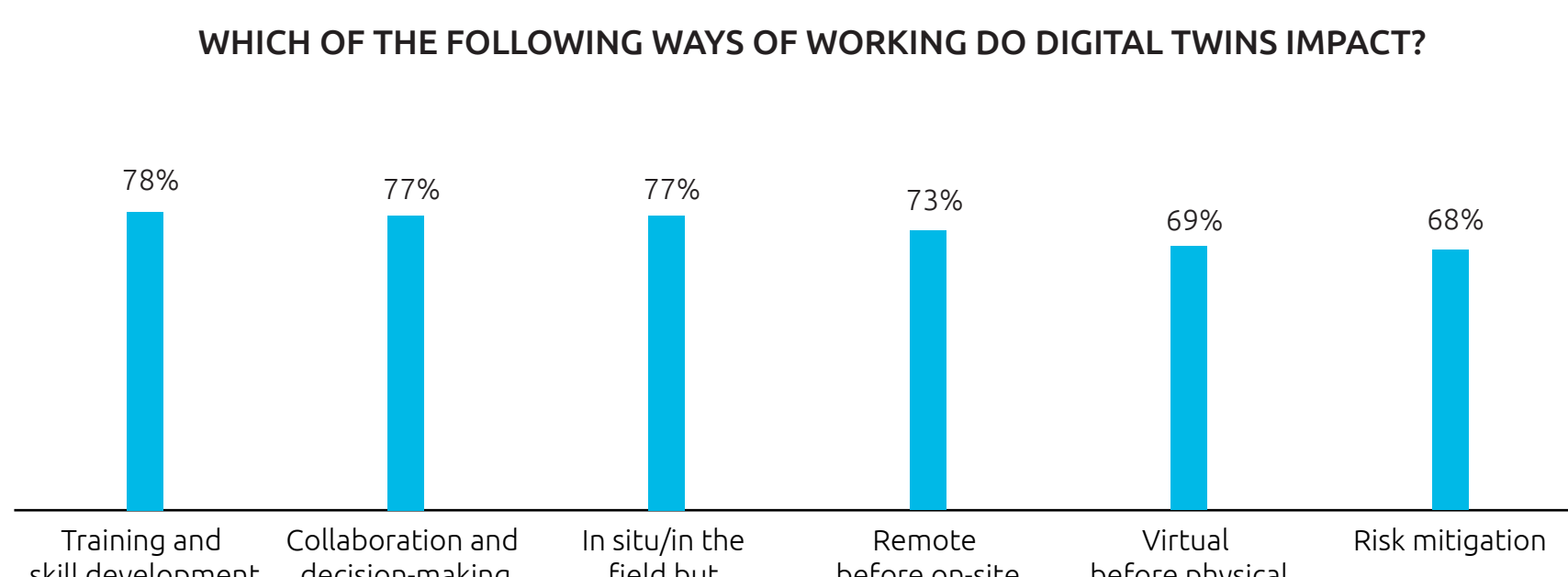
DIGITAL TWINS HAVE NUMEROUS APPLICATIONS ACROSS THE VALUE CHAIN



Source: Capgemini Research Institute analysis.

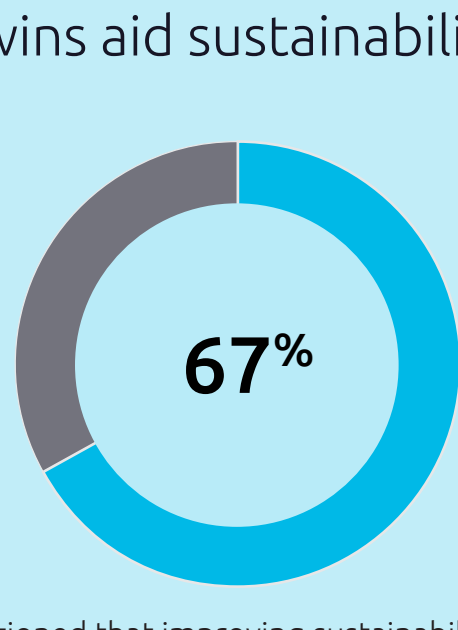
Digital twins enable collaboration

WHICH OF THE FOLLOWING WAYS OF WORKING DO DIGITAL TWINS IMPACT?



Source: Capgemini Research Institute, A&D Digital Twin Survey, April 2023, N=120 A&D organizations with ongoing digital twin initiatives.

Digital twins aid sustainability efforts

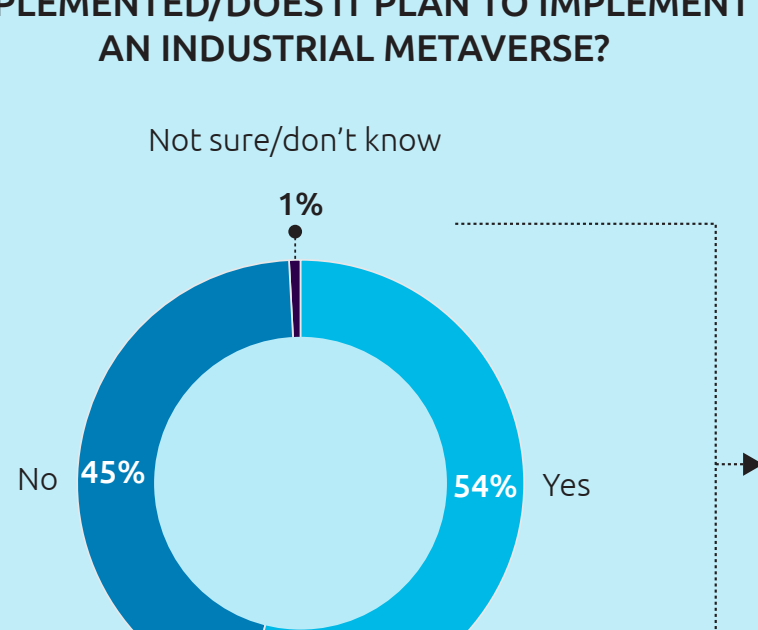


Source: Capgemini Research Institute, A&D Digital Twin Survey, April 2023, N=120 A&D organizations with ongoing digital twin initiatives.

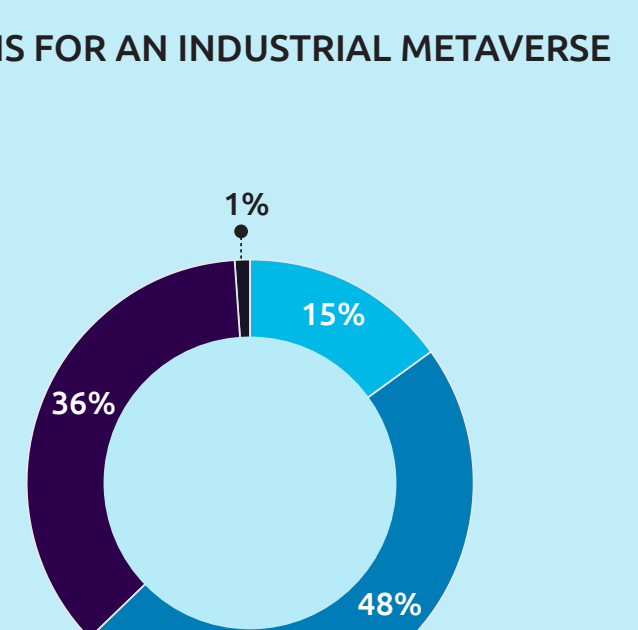
DIGITAL TWINS FORM THE BACKBONE OF THE INDUSTRIAL METAVERSE

One in three organizations (34 percent) has access to the industrial metaverse already or plans to implement it within the year

HAS YOUR ORGANIZATION ALREADY IMPLEMENTED/DOES IT PLAN TO IMPLEMENT AN INDUSTRIAL METAVERSE?

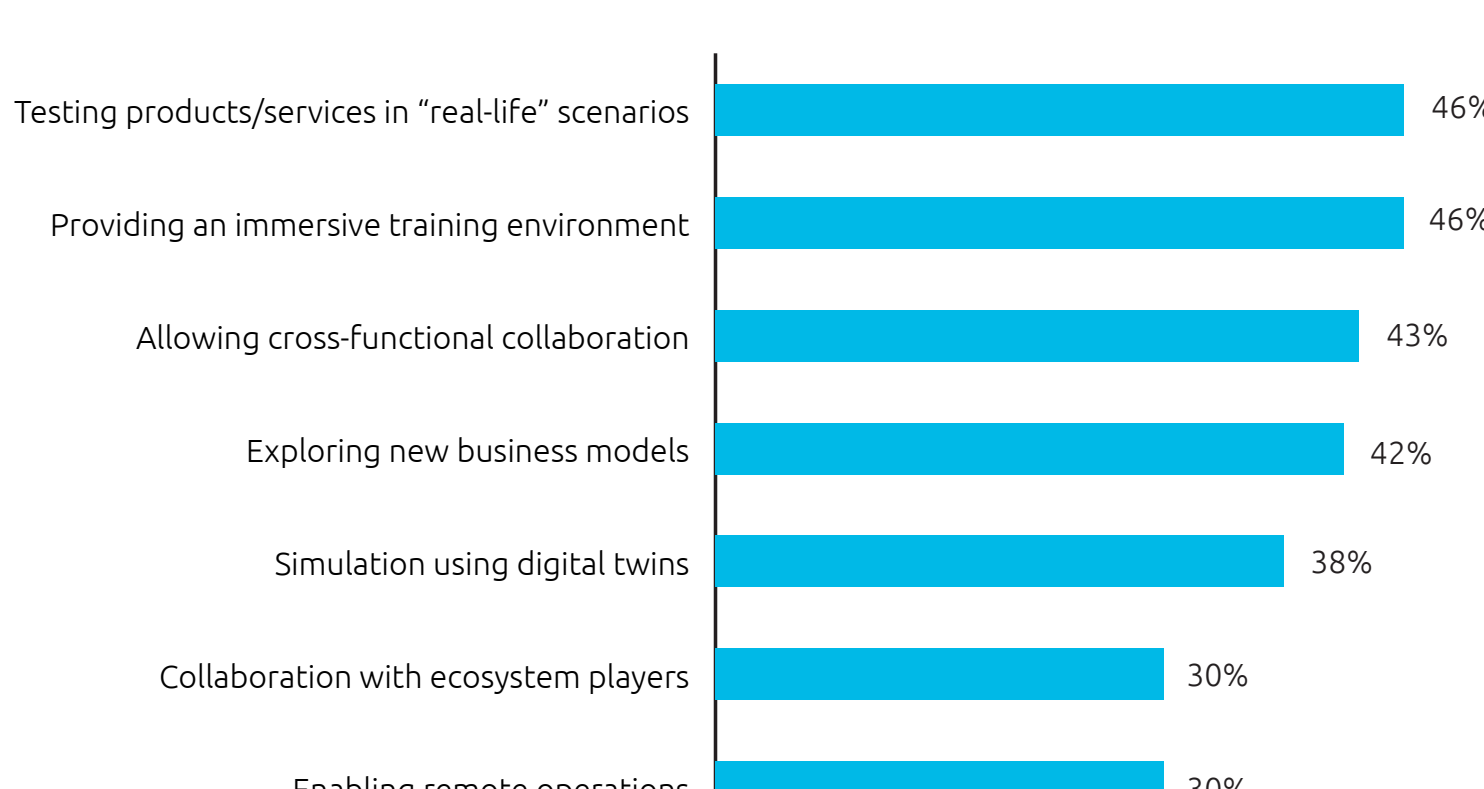


PLANS FOR AN INDUSTRIAL METAVERSE



Source: Capgemini Research Institute, A&D Digital Twins Survey, April 2023, N=150 A&D organizations.

Immersive training and “real-life testing” are the top use cases for the industrial metaverse



Source: Capgemini Research Institute, A&D Digital Twin Survey, April 2023, N=81 A&D organizations that either have an industrial metaverse already or plan to implement it in the future.

HOW THE A&D INDUSTRY CAN ACCELERATE DIGITAL TWIN TRANSFORMATION



Source: Capgemini Research Institute analysis.

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