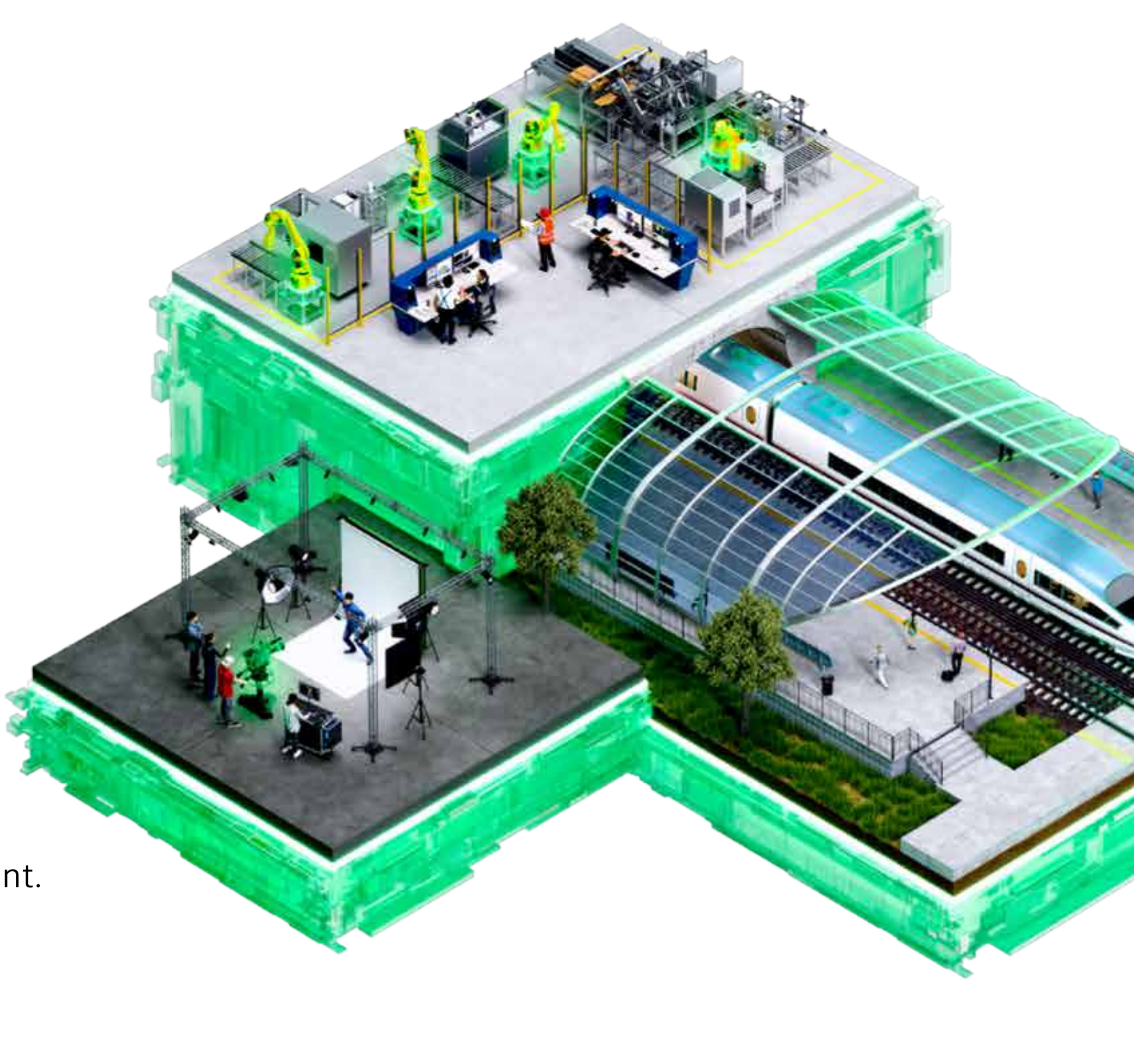


STATE OF 2024 DESIGN & MAKE

KEY INSIGHTS AND ACTIONS FOR BUILDING PRODUCT MANUFACTURING AND FABRICATION

We've curated key insights for building product manufacturers from the 2024 State of Design & Make report and analyzed what they mean for you. The global report explores how digital transformation is driving business resilience, sustainability, and talent management.



Key insight 1:

Building product manufacturers are feeling more confident than in 2023, but still lag behind their peers in design & manufacturing and all industries

59% in the global building product manufacturing and fabrication sector outperformed corporate expectations, compared to 69% in the manufacturing industry overall and 72% in all industries.

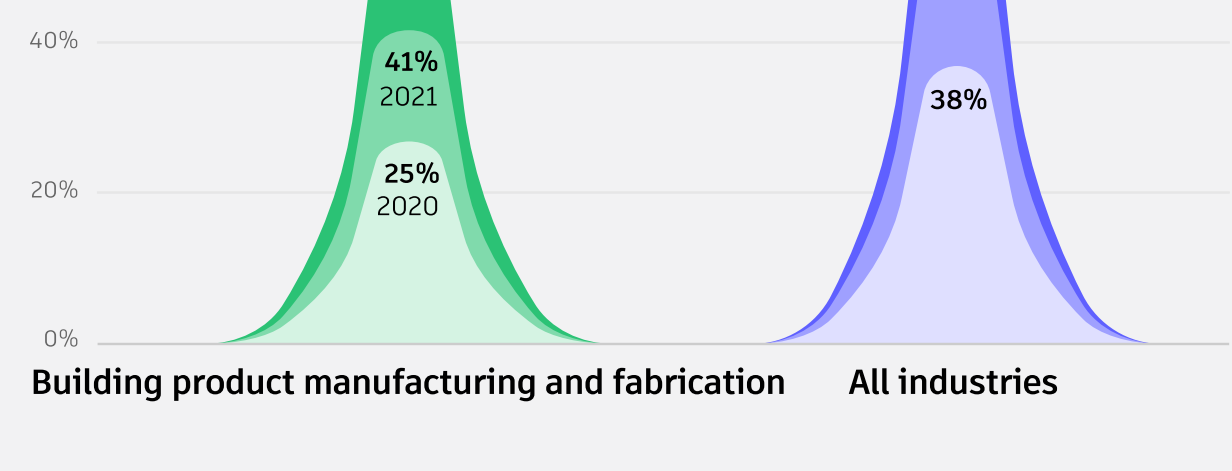
Recommended action:

Focus on increasing your company's agility—the foundation of business resilience. Start by tackling how your teams work together and breaking down the barriers between them. First, bring all your data together in a cloud-based platform that gives all teams access to up-to-date engineering and project information, then digitize key workflows.

BUSINESS RESILIENCE

Company performance is improving

Percentage of businesses that outperformed corporate expectations:



Top business challenges

Top 3 challenges cited by leaders:

Rank	Building product manufacturing and fabrication	All industries
1	39% cost control and cost management	33% cost control and cost management
2	32% product or service innovation	29% attracting, training, and retaining talent
3	30% data automation / technological advancement / digitization	27% product or service innovation

Key insight 2:

Innovation remains a significant challenge for building product manufacturers

For building product manufacturers globally, it's a top two challenge, and in EMEA it's rated joint top challenge. Building product manufacturers consider innovation a bigger challenge than their EMEA peers in other manufacturing sectors.

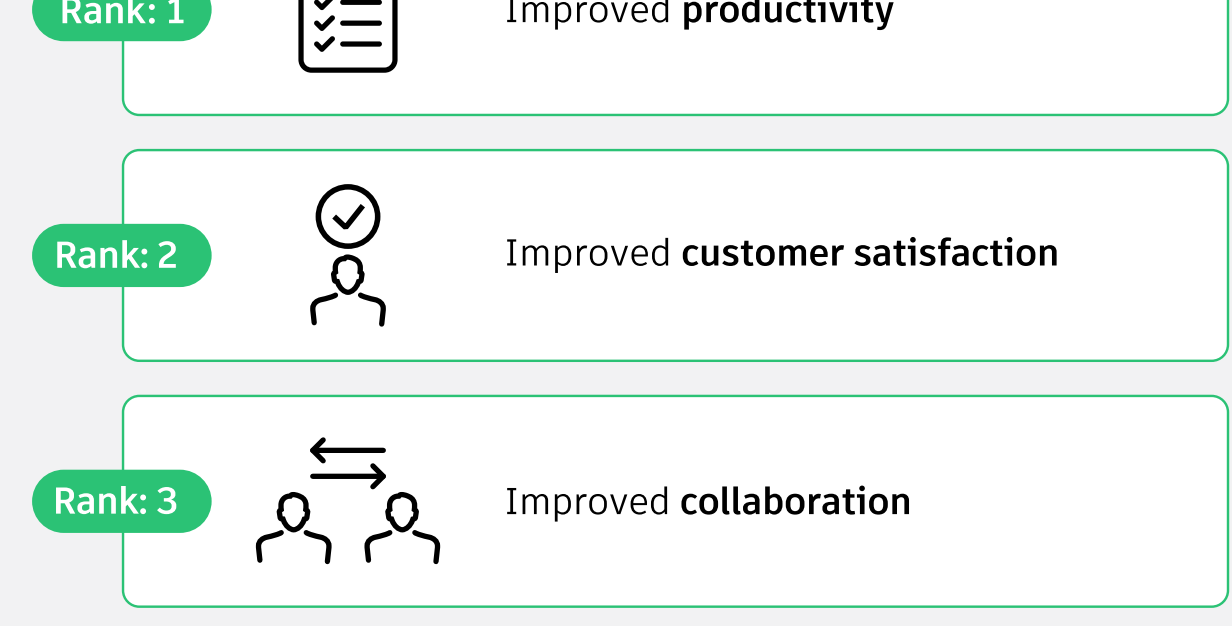
Recommended action:

Start by fostering a culture of innovation in your business, and give your teams the time to focus on innovation by using tools such as AI and solutions for data and process management to reduce routine tasks.

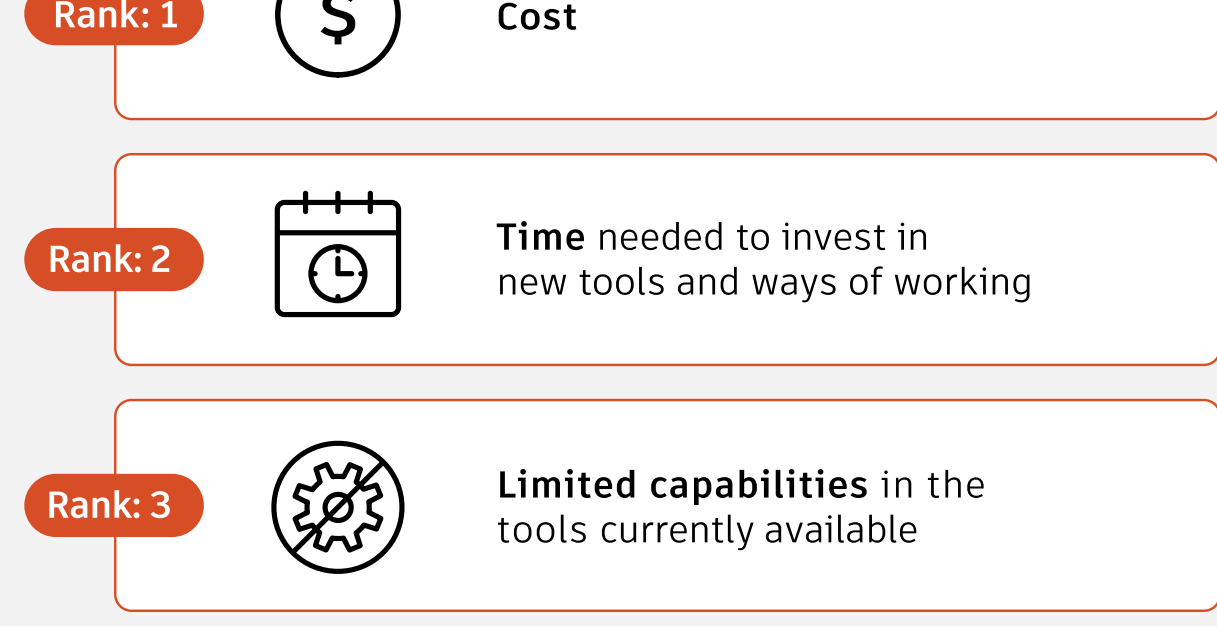
Top digital transformation advantages and barriers

Building product manufacturing and fabrication:

Advantages



Barriers



Key insight 3:

Building product manufacturers are positive about artificial intelligence, but significantly lag behind other industries in reaching their AI goals

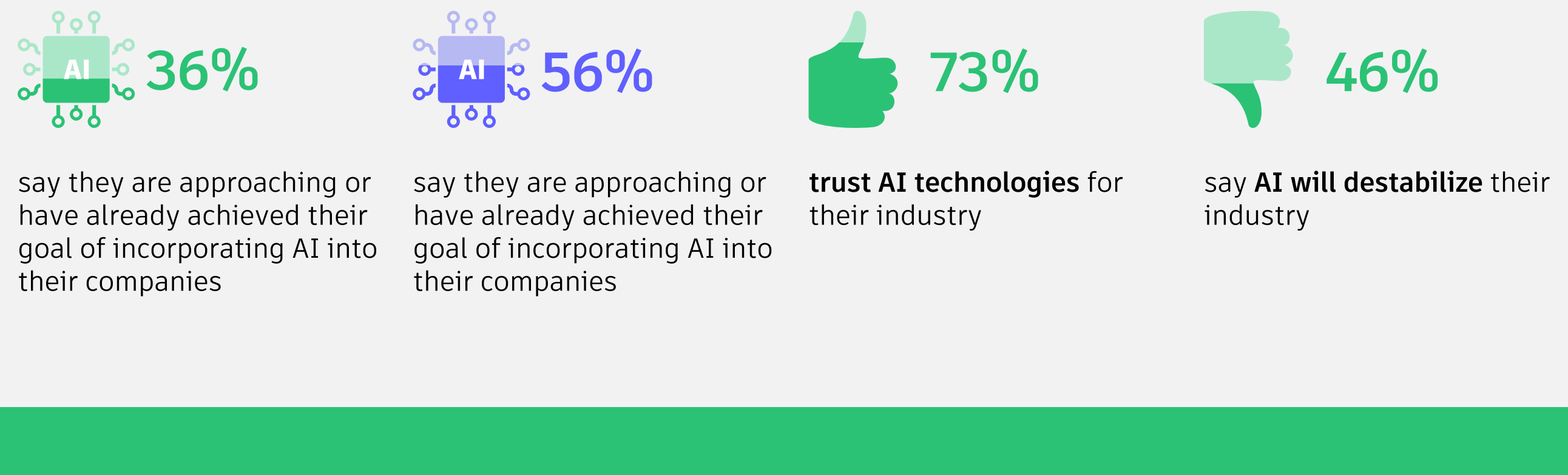
In EMEA, 37% of building product manufacturers are approaching or have achieved their goal of incorporating AI into their organizations, compared to 51% of all manufacturers in EMEA.

Recommended action:

Data is a pre-requisite for leveraging AI. Focus first on capturing the right data that is granular and interoperable. With that in place, you can identify the key use cases for AI in your organization. Start with small, manageable projects with clear goals and make sure you bring all stakeholders on the journey with you.

The AI finish line is within sight for some

Organizations are approaching or have achieved current AI goals



Take the next step: book your expert session

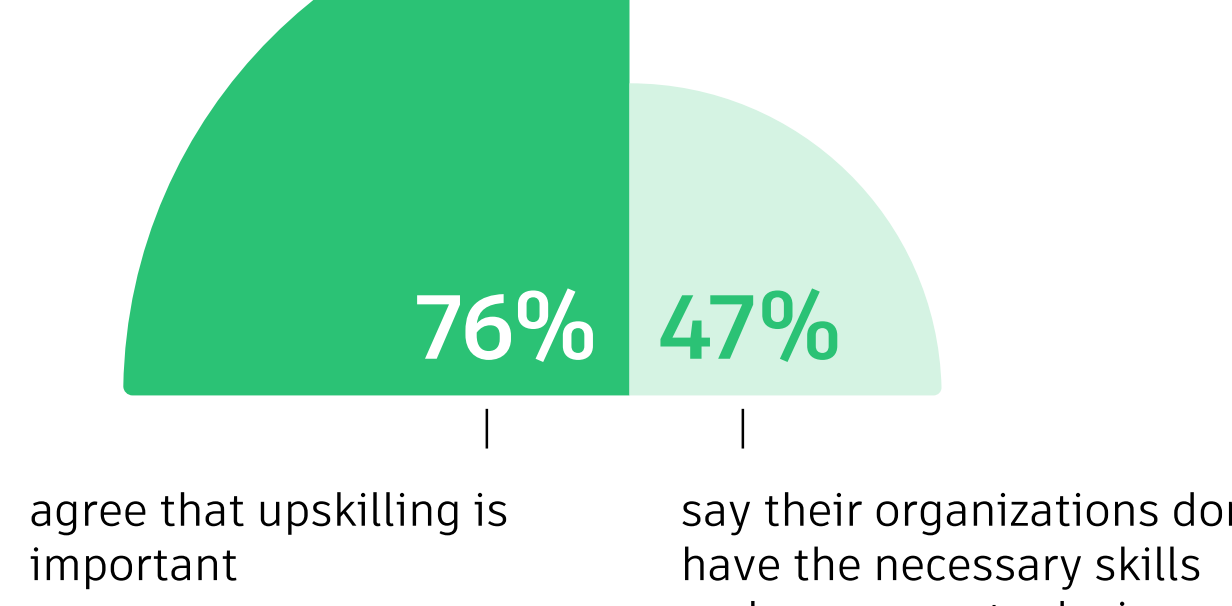
Book an expert session to understand what these insights mean for your organization

[Book my session](#)

TALENT

Upskilling is essential but out of reach for many

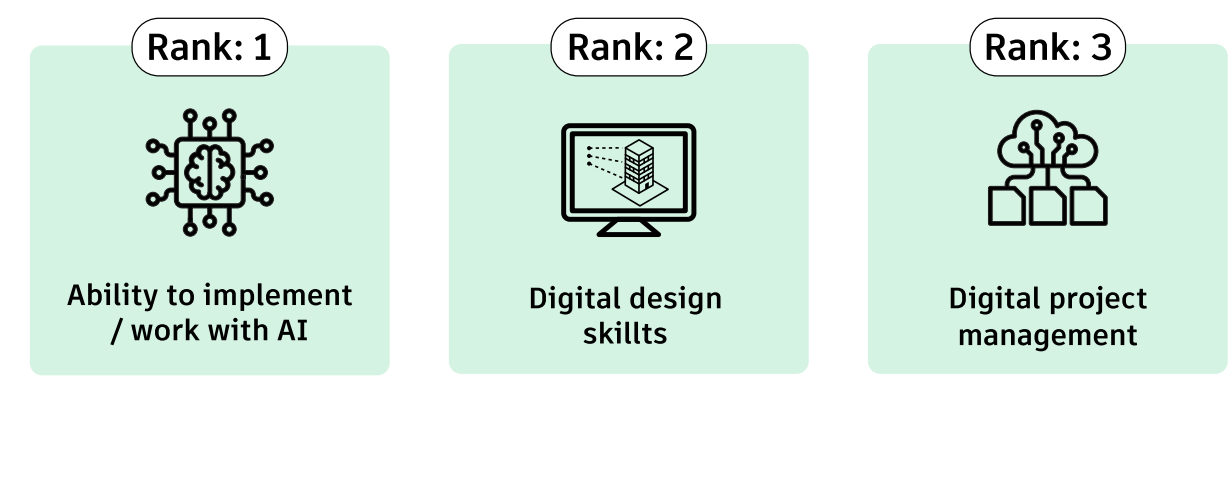
Building product manufacturing and fabrication:



76% agree that upskilling is important

47% say their organizations don't have the necessary skills and resources to design internal training programs

Top 3 skills of the future

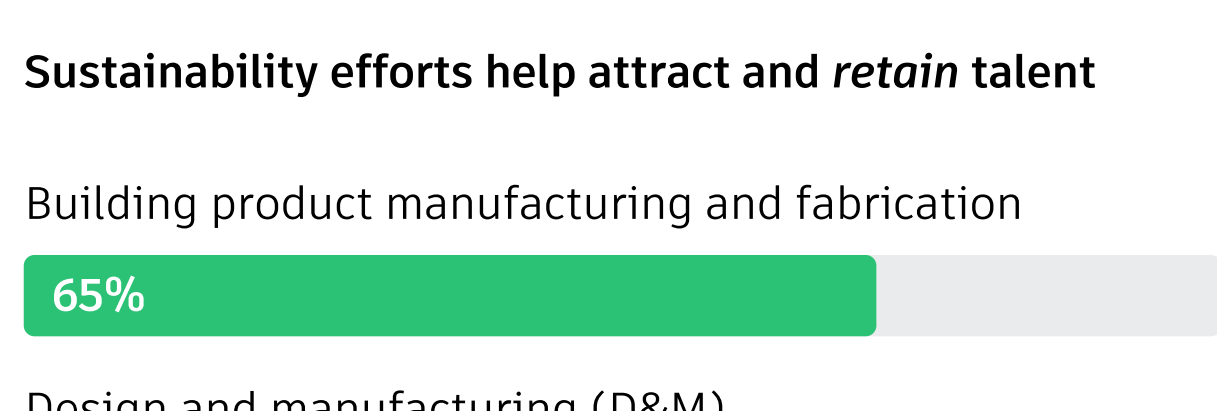


Companies are taking a multipronged approach to solving the talent problem

Digital maturity helps attract talent



Sustainability efforts help attract and retain talent



Key insight 4:

Building product manufacturers struggle with implementing digital transformation, and plan in part to address the issue by recruiting new workers with digital skills

The benefits are clear: in EMEA, 83% of digitally mature manufacturers achieved above average or exceptional performance, compared to 56% of less digitally mature companies. Yet when it comes to implementing digital transformation, building product manufacturers struggle to find the time and investment.

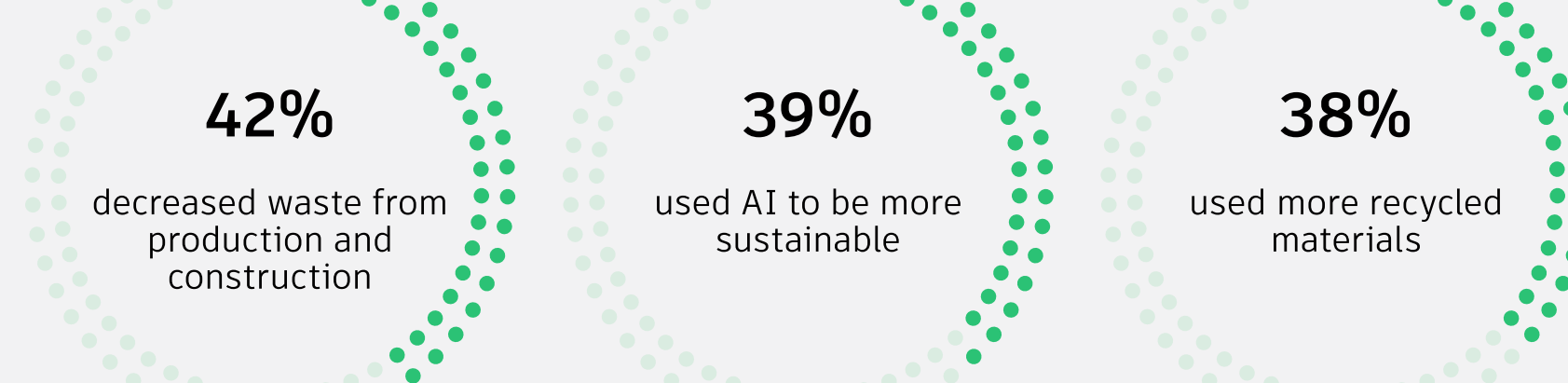
Recommended action:

Overcoming the barriers to digital transformation requires a combination of process improvements, a shift in mindset, and the right skill set. Having a clear goal and strategy in place will prevent ineffective piecemeal efforts and maximize the impact of your investment. Focus too on change management to ensure all stakeholders are onboard.

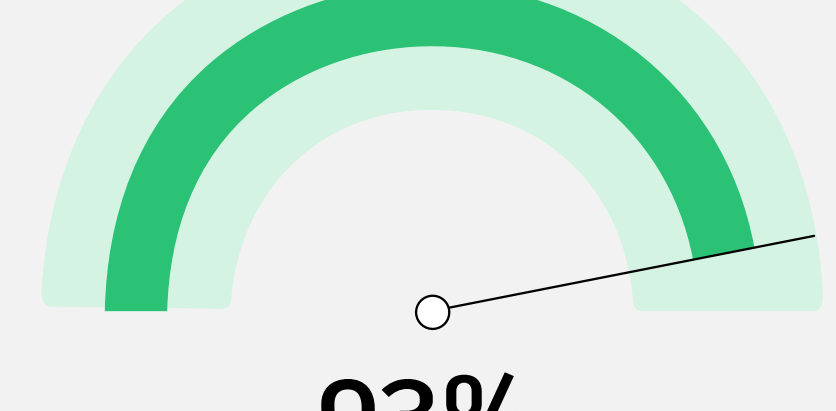
SUSTAINABILITY

Sustainability becomes a key priority

Top actions already implemented—building product manufacturing and fabrication:



Building product manufacturing and fabrication:



42% decreased waste from production and construction

39% used AI to be more sustainable

38% used more recycled materials

93% have taken actions to improve sustainability

Sustainability is proving its value to both short-term and long-term business health

Percentage of leaders who agree sustainability is a good business decision:



Attitudes towards sustainability—building product manufacturing and fabrication:



Key insight 5:

Sustainability is on the agenda, but building product manufacturers feel less positive than peers in other manufacturing sectors about its business outcomes

Globally, 57% of building product manufacturers see sustainability as a good short-term business decision, and 80% see it as a good long-term business decision. This contrasts to 69% and 87% respectively for all manufacturers globally.

Recommended action:

The first step is to understand how your current sustainability initiatives are impacting the business. Focus on capturing and analyzing data to track the outcomes of your sustainability efforts and make better informed decisions about future initiatives. At the same time, you can't afford to ignore the people element: nurturing the necessary skills is essential to achieving your sustainability goals and experiencing both short- and long-term business benefits as a result.

METHODOLOGY

Autodesk surveyed and interviewed 5,399 industry leaders, futurists, and experts in the architecture, engineering, construction, and operations (AECO); design and manufacturing (D&M); and media and entertainment (M&E) industries from countries around the globe.

The data in this personalized infographic relates to building product manufacturing and fabrication globally unless otherwise stated. Survey respondents—building product manufacturing and fabrication:



2024 State of Design & Make

Access the full report

[Read full report](#)

