



# Digital Transformation

ONLINE SURVEY | AUGUST 2024

**AVIATION WEEK**  
NETWORK

**SIEMENS**

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# Section 1. Introduction



## Overview

Methodology, data collection and analysis by Aviation Week Network on behalf of Siemens. Data collected July 12 through August 3, 2024. Methodology conforms to accepted marketing research methods, practices and procedures.

## Methodology

Beginning on July 12, 2024, Informa Markets sent emailed invitations to participate in an online survey to targeted business that are involved in manufacturing or product development within the aviation and defense industry.

By August 3, 2024, Informa Markets had received 143 usable responses.

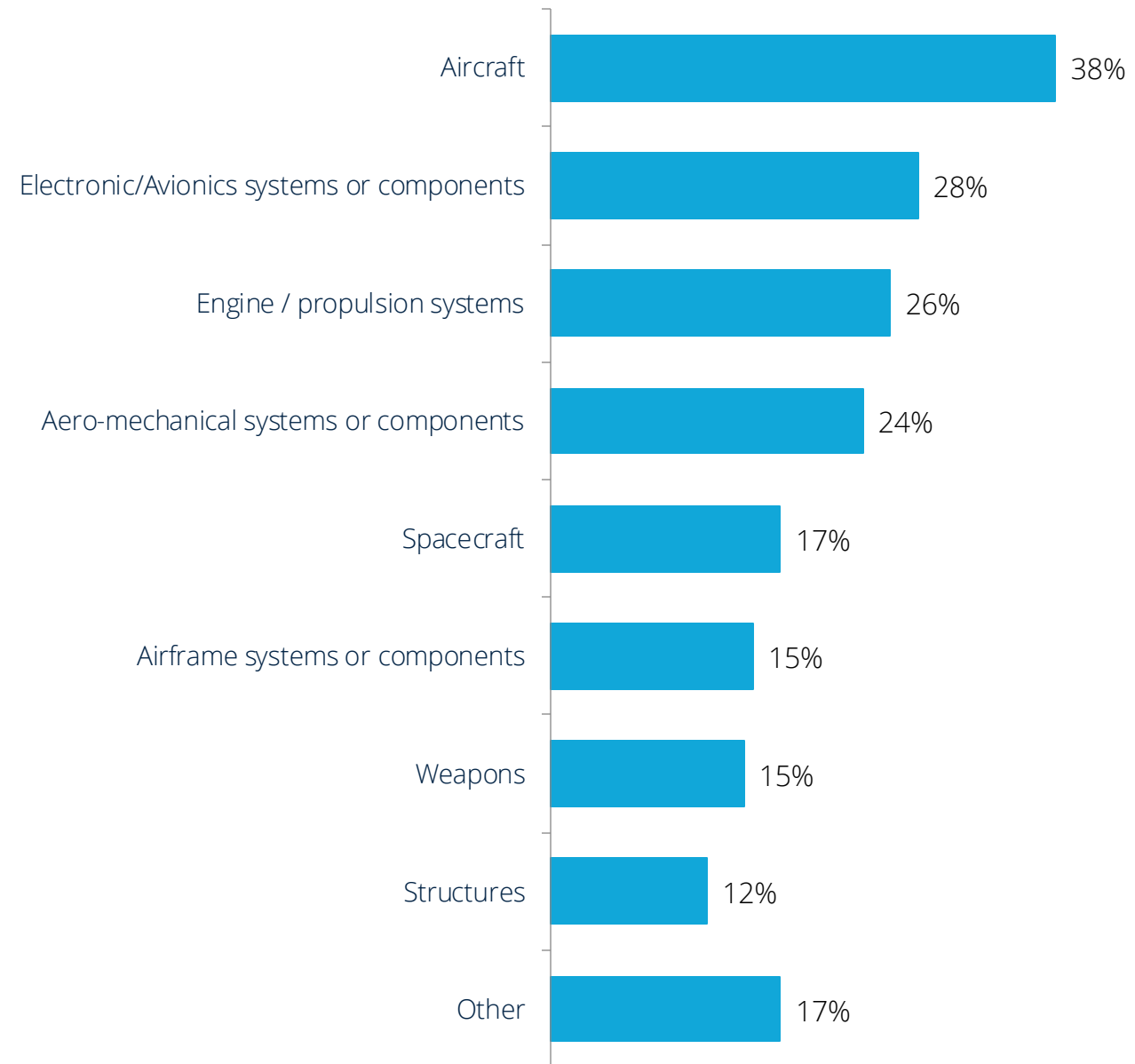


## Section 2. Key Findings



# Primary Products

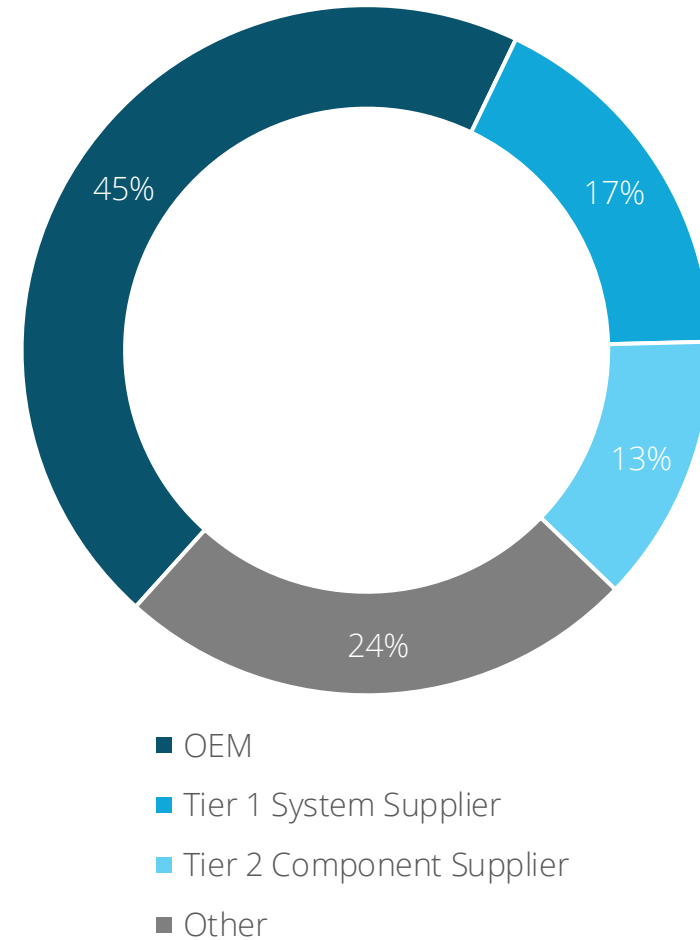
Respondent companies are involved in a wide variety of products. Importantly, no single product type dominates the sample.



Question: What are your company's primary products?  
 Base: All respondents; multiple answers permitted (n=143)

# Company Description

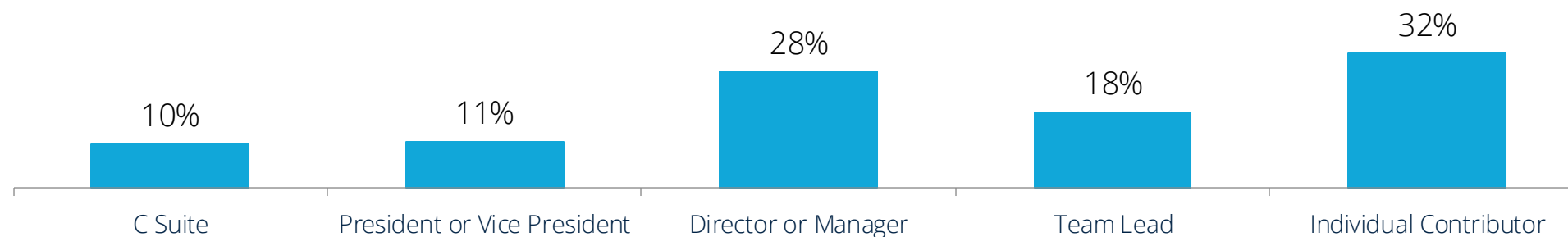
Nearly half of respondents are OEMs. 24% were Tier 3 and below. This variety represents the whole aerospace industry.



Question: Which of the following best describe your company?  
 Base: All respondents (n=143)

# Role in Company

Half of respondents have a director or manager role or higher within their company. Two-Thirds are in some kind of leadership position.

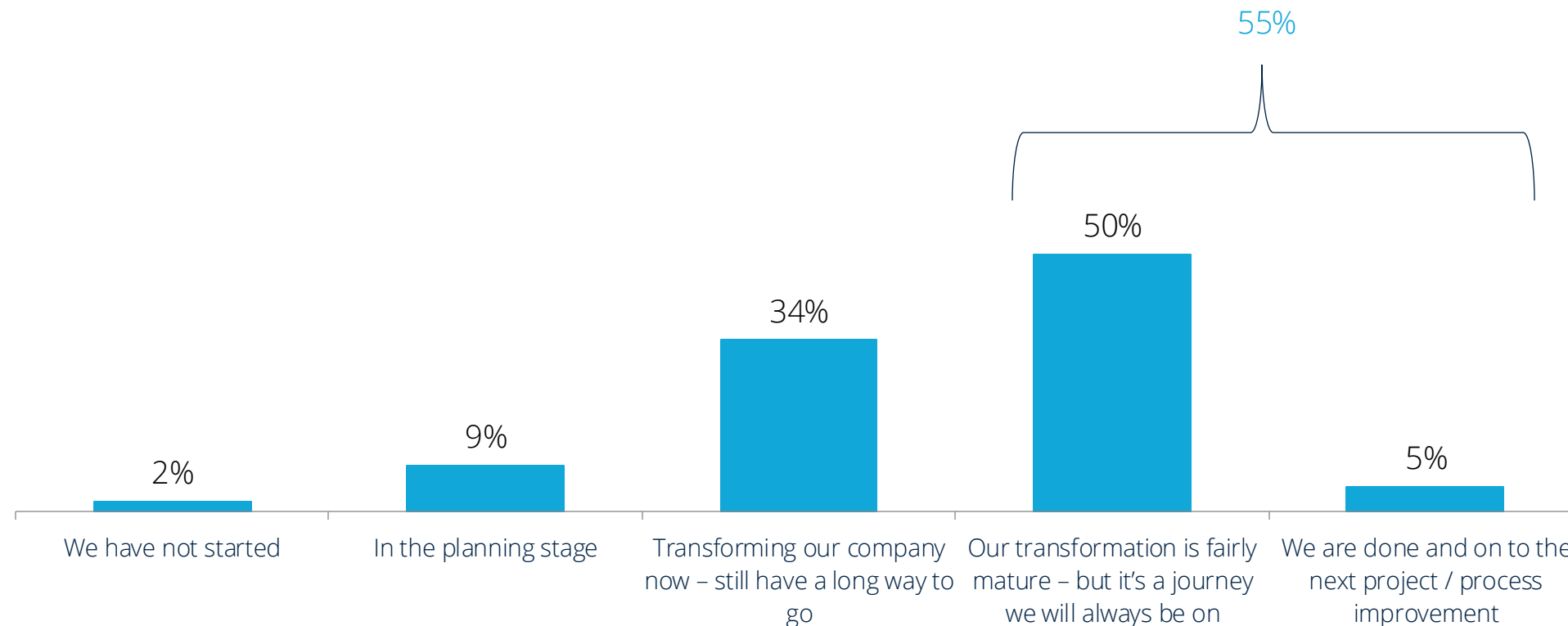


Question: Which of the following best describe your role?  
 Base: All respondents; (n=143)



# Status of Digital Transformation

55% of respondents believe their digital transformation is mature or complete.

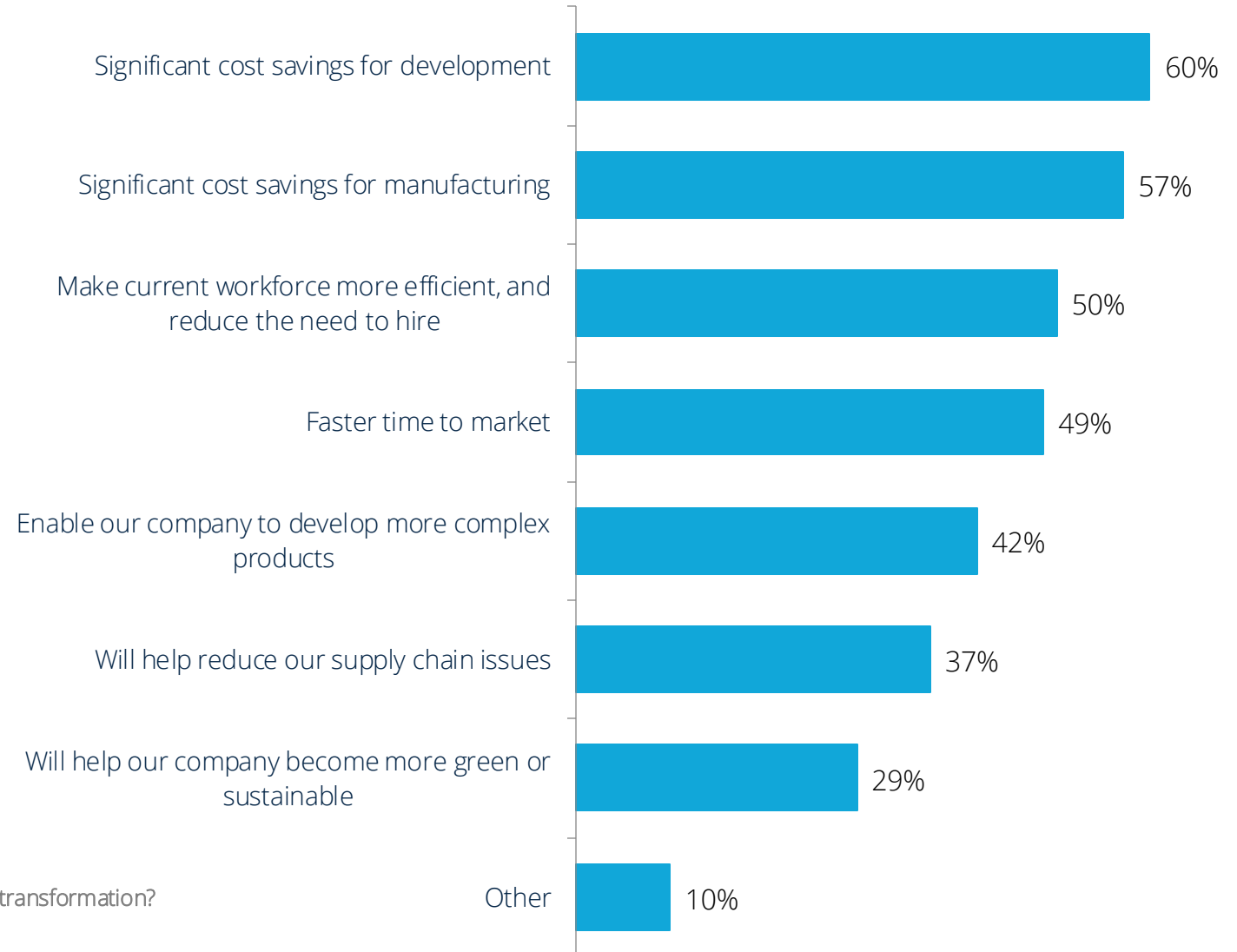


Question: What statement best describes the status of your company's digital transformation?

Base: All respondents; (n=143)

# Expected Benefits of Digital Transformation

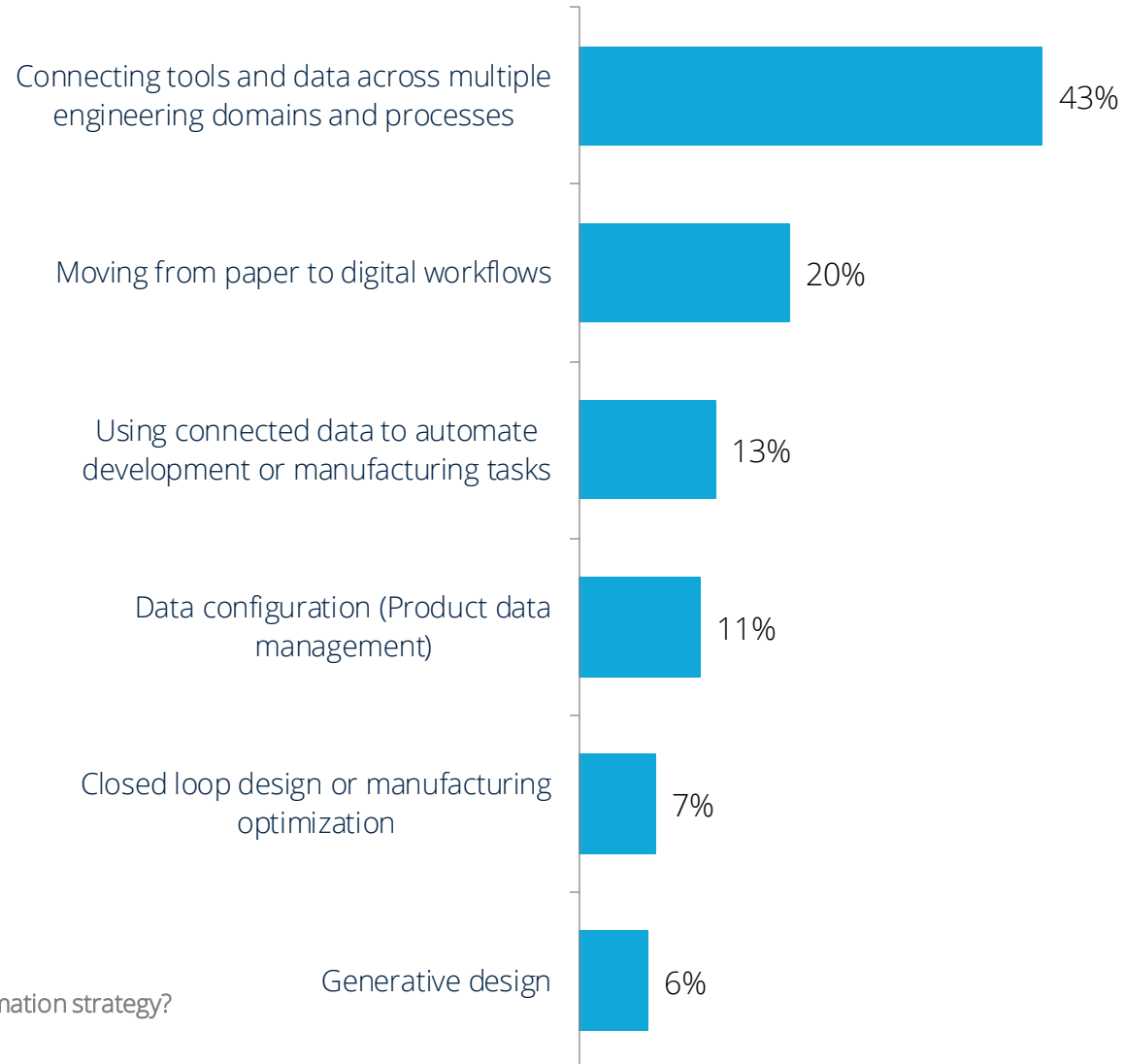
Half or more of all respondents expect digital transformation to help them save cost, multiple their workforce, and develop products faster.



Question: What benefits do you expect from your company's digital transformation?  
 Base: All respondents; multiple answers permitted (n=143)

# End Goal of Digital Transformation

74% of respondents believe that the goal of digital transformation is configured or connected digital data. Just one in four believe digital transformation should include automaton, generative design, or optimization.



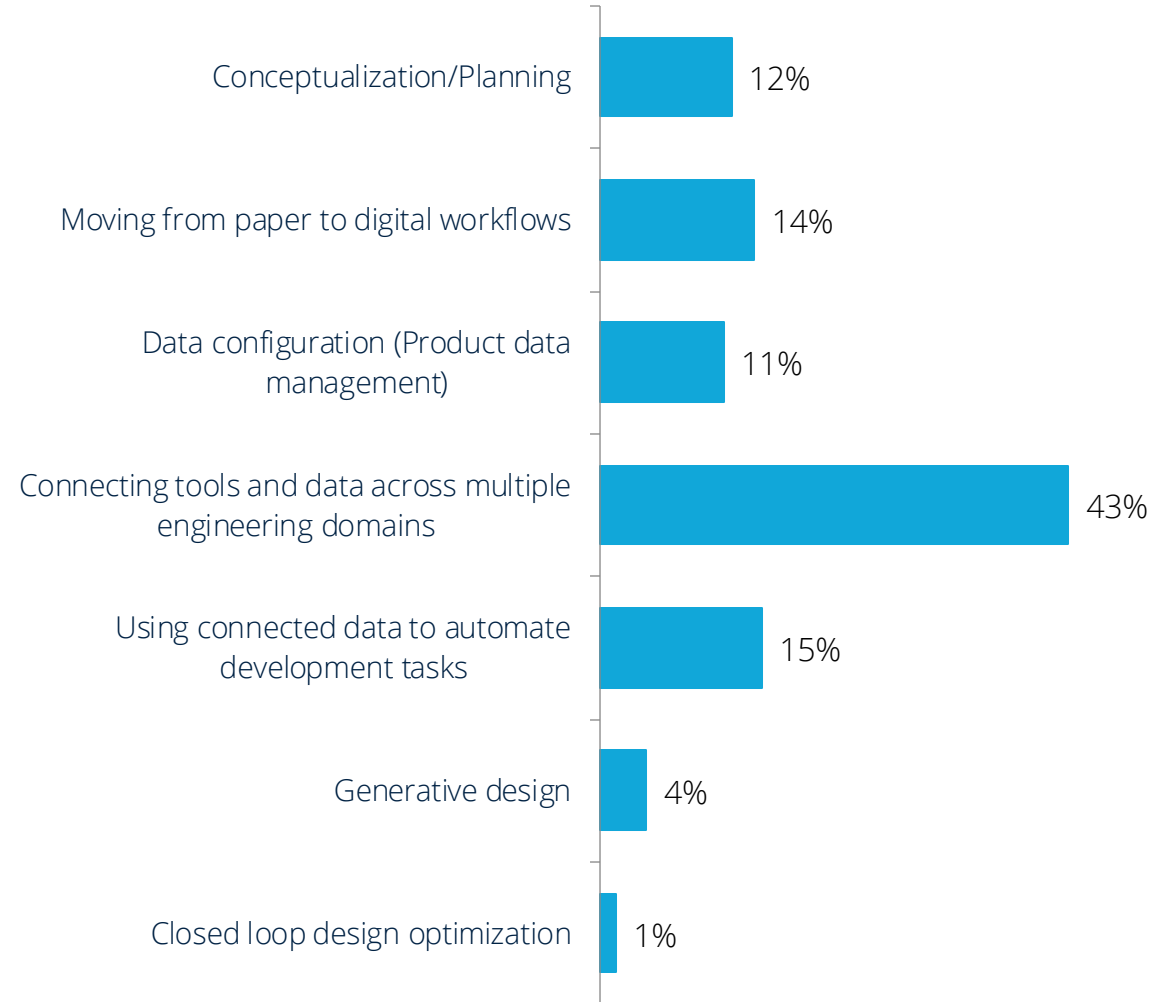
Question: What is the end goal of your company's current digital transformation strategy?  
 Base: All respondents (n=143)

# Digital Transformation Stage for Design Group

1 in 10 respondents have not yet start digital transformation.

7 of 10 respondents are configuring or connecting digital data.

Just 2 in 10 respondents have moved beyond beyond connection in the digital transformation journey.



Question: Where is your company's design group in the process of digital transformation?

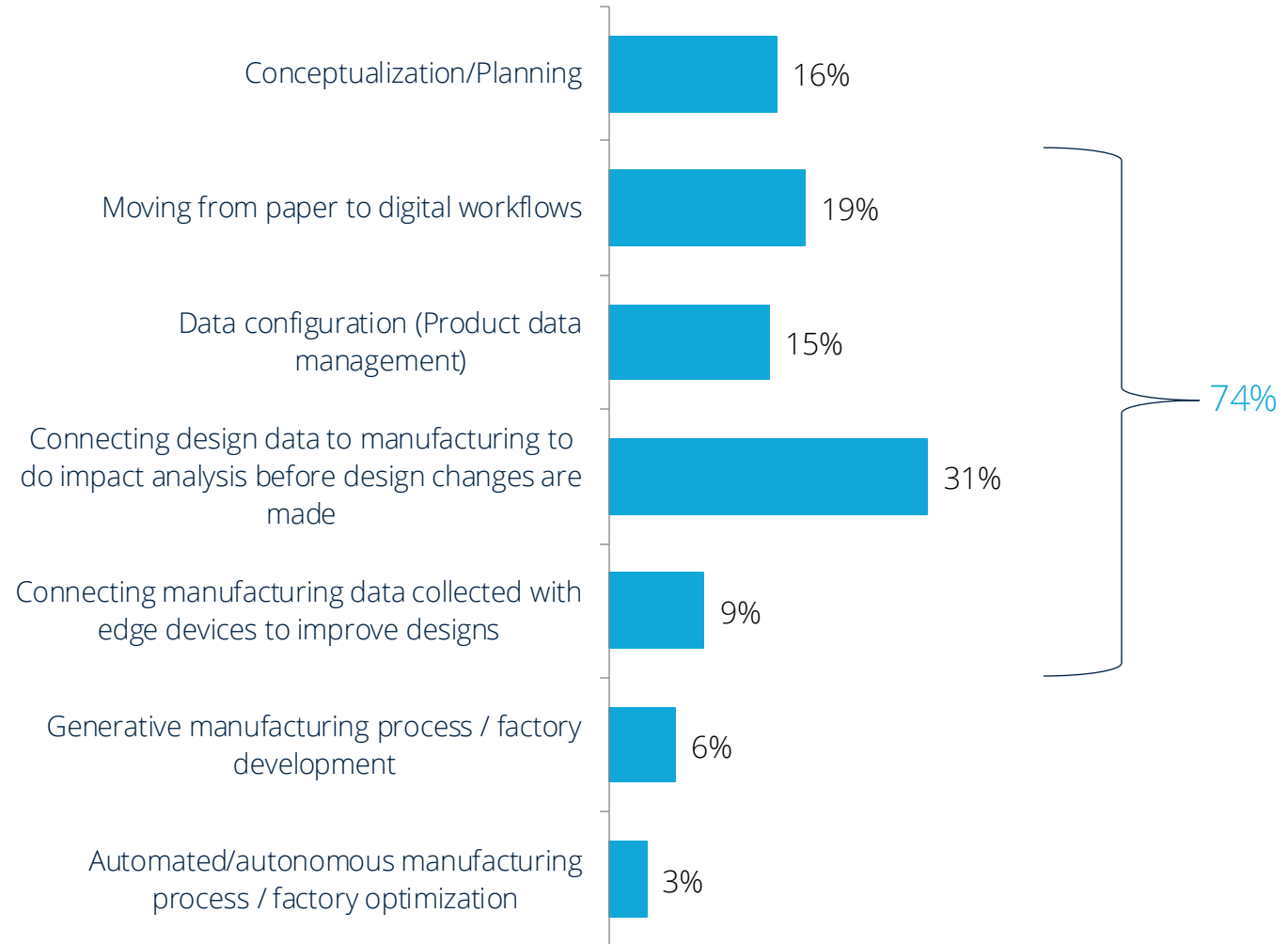
Base: All respondents (n=143)

# Digital Transformation Stage for Manufacturing Group

16% of respondents are still planning to start digital transformation.

3/4ths of respondents are configuring or connecting digital data.

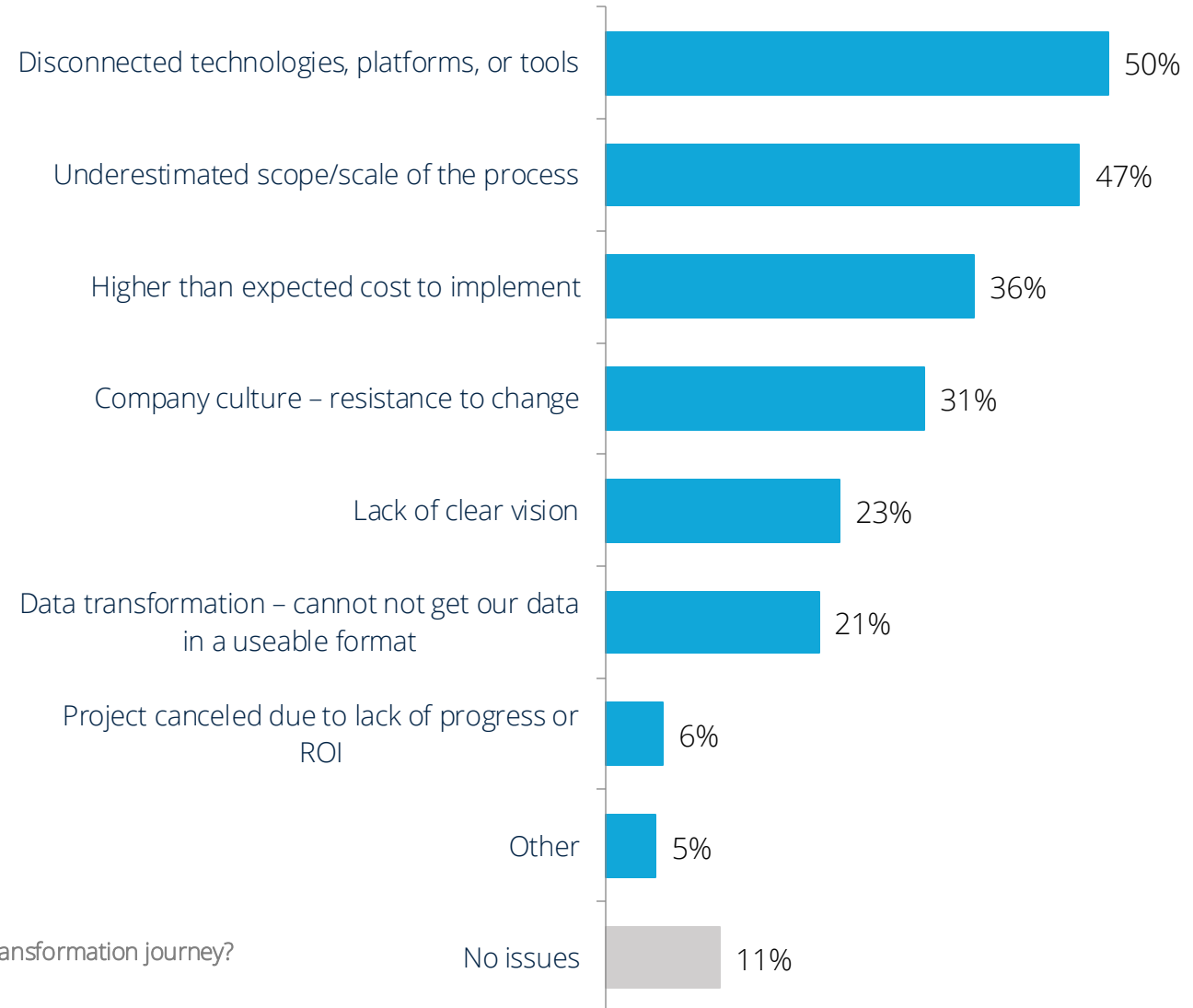
Just 1 in 10 respondents have moved beyond beyond connection in the digital transformation journey.



Question: Where is your company's manufacturing group in the process of digital transformation?  
 Base: All respondents (n=143)

# Issues Experienced in Digital Transformation Journey

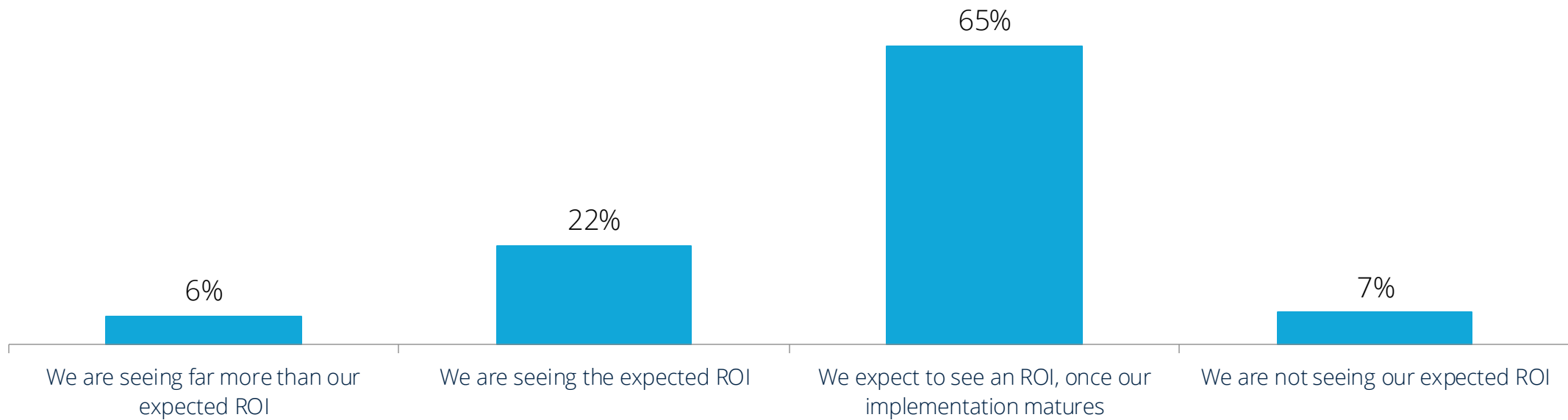
The most common issues experienced are disconnected technologies, platforms, or tools (50%) and underestimated scope/scale of the process (47%). 11% reported that they have not experienced any issues.



Question: What issues has your company experienced in its digital transformation journey?  
 Base: All respondents; multiple answers permitted (n=143)

# Return on Digital Transformation Investment

72% of respondents are not yet seeing the return on their Digital Transformation investment that they expect to see.

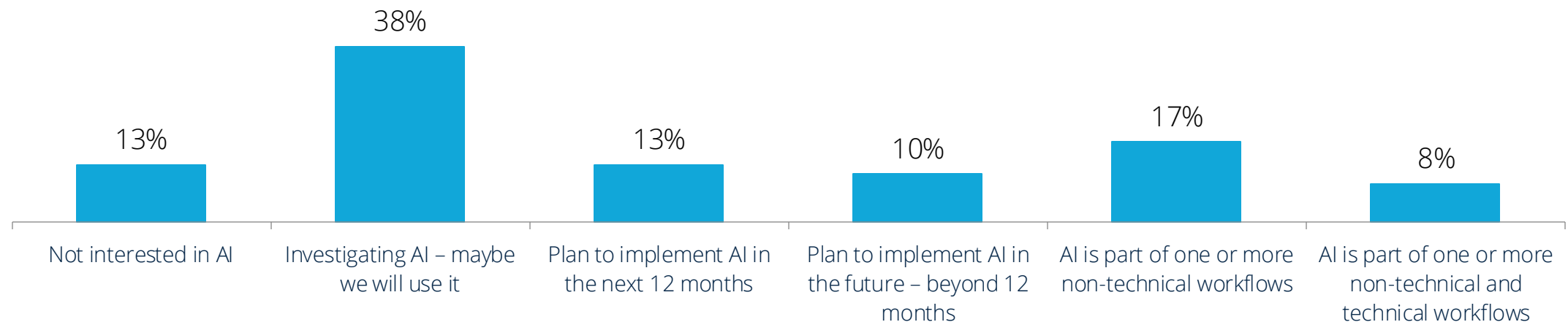


Question: Is your company realizing the expected Return on your company's digital transformation investment?

Base: All respondents; (n=143)

# Status of AI in Company

87% of respondents are interested in AI today, but just 8% of respondents are using AI in technical workflows.

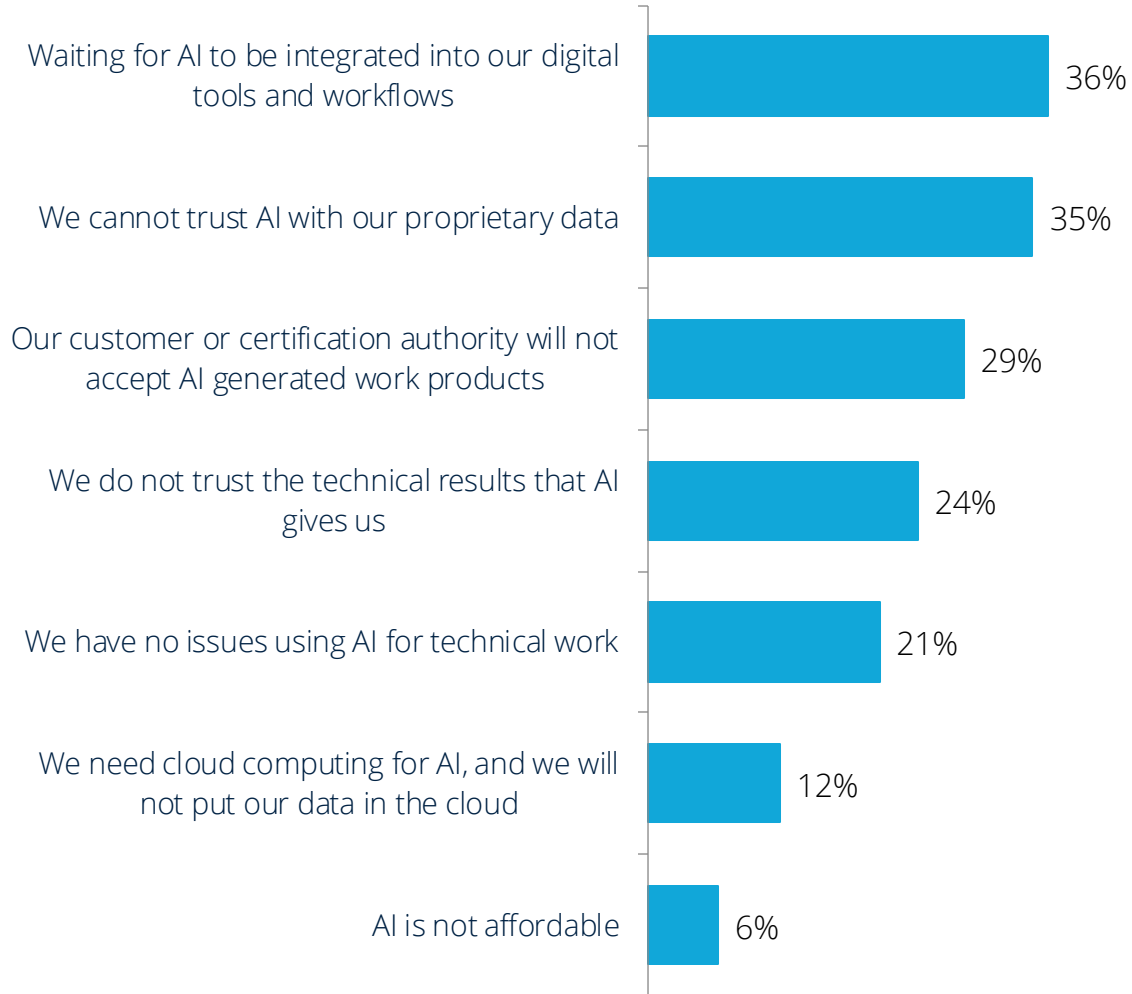


Question: What is the status of Artificial Intelligence (AI) in your company?  
 Base: All respondents; (n=143)



# Issues to the Use of AI in Design or Technical Work

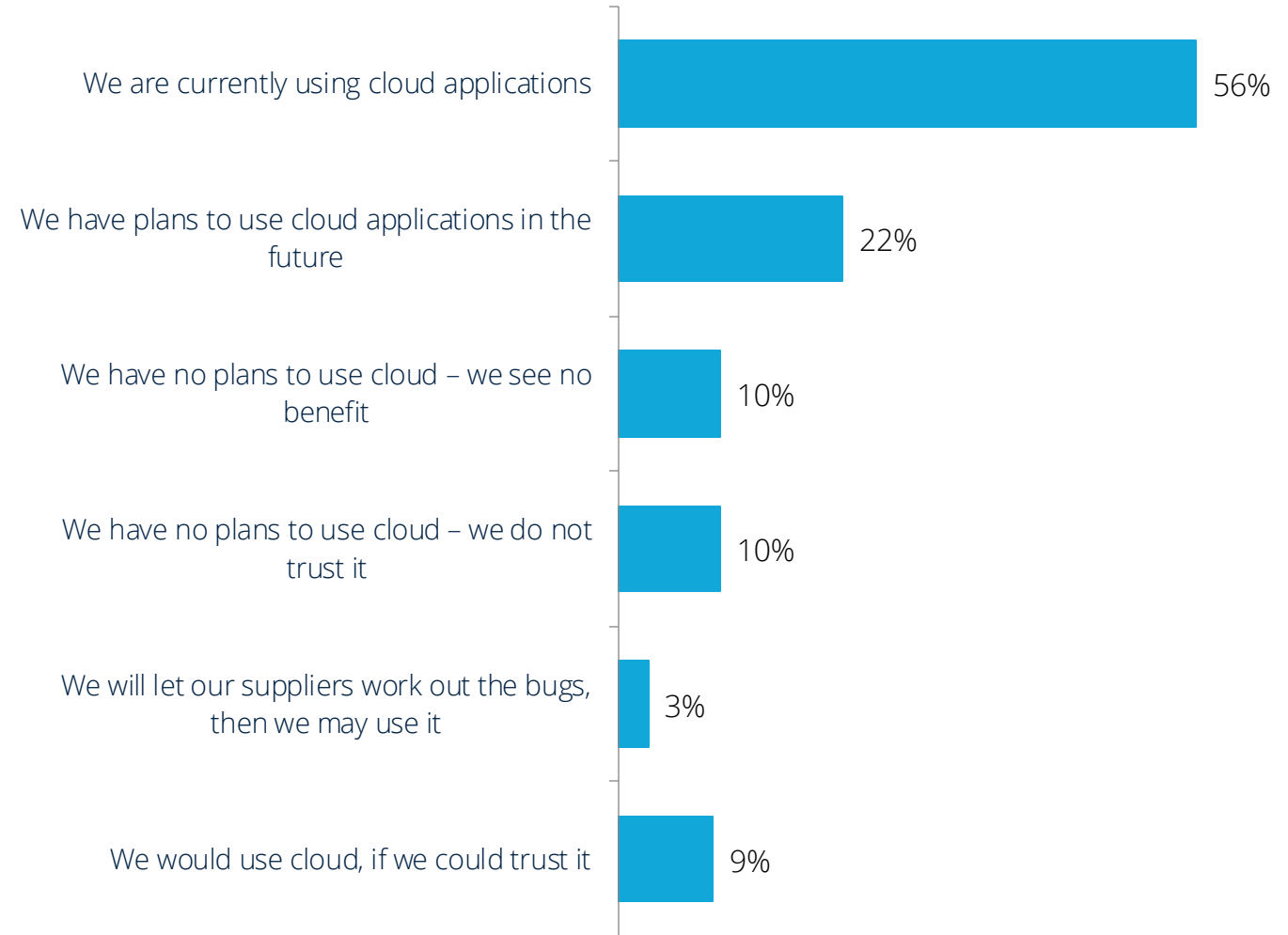
The two leading issues keeping AI out of design or technical work are the need to integrate AI into the digital tools or workflows (36%) and the lack of trust of AI with proprietary data (35%).



Question: What issues are keeping your company from using AI for design or other technical work?  
 Base: All respondents; multiple answers permitted (n=143)

# Fit of Cloud Hosted Applications in Transformation Strategy

The majority of respondents (56%) are currently using cloud applications. Just 10% say they have no plans to use cloud applications.



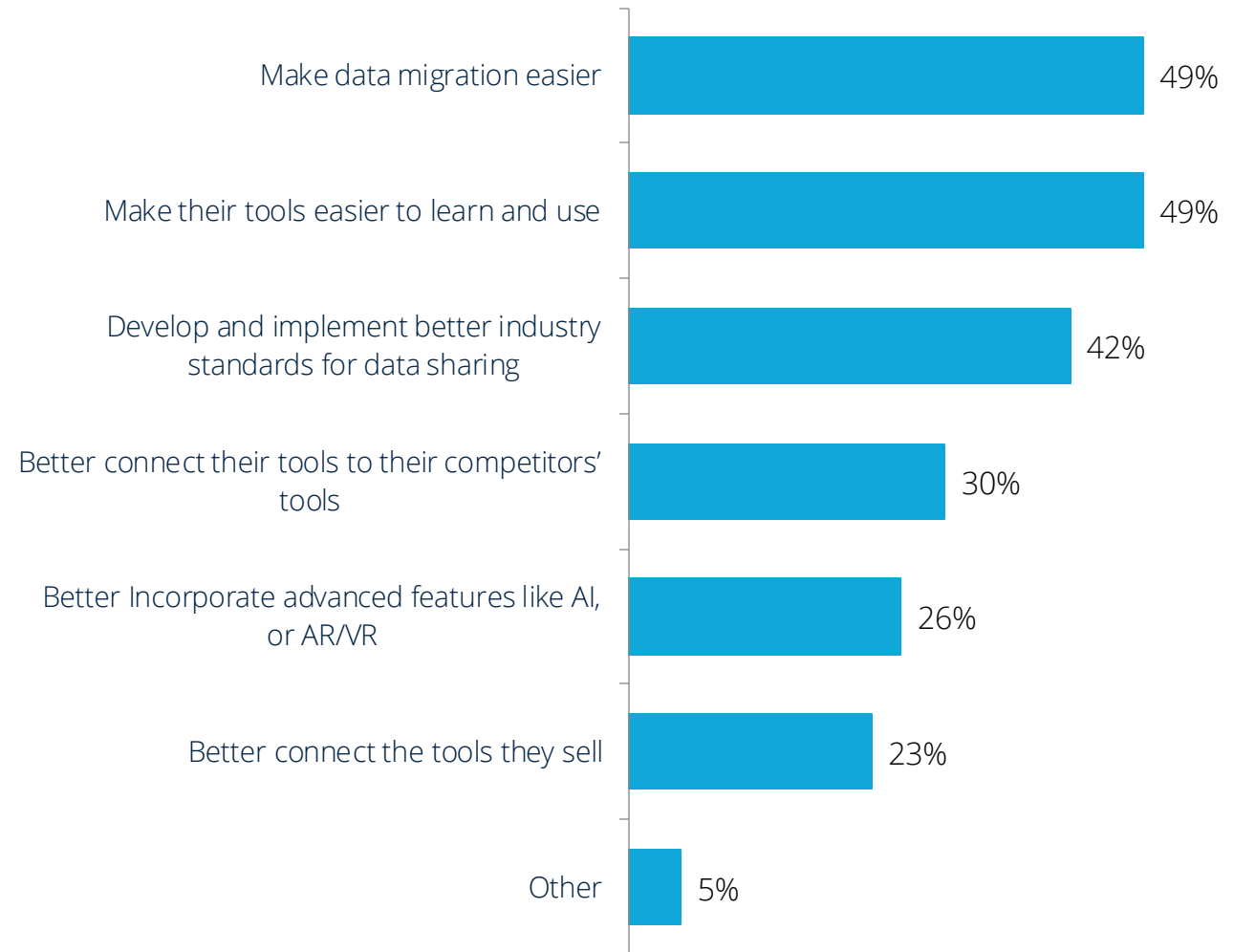
Question: Where do cloud hosted applications fit in your company's digital transformation strategy?

Base: All respondents; multiple answers permitted (n=143)

# Methods Vendors Can Help with Digital Transformation

The leading ways a digital transformation software tool vendor help with digital transformation are:

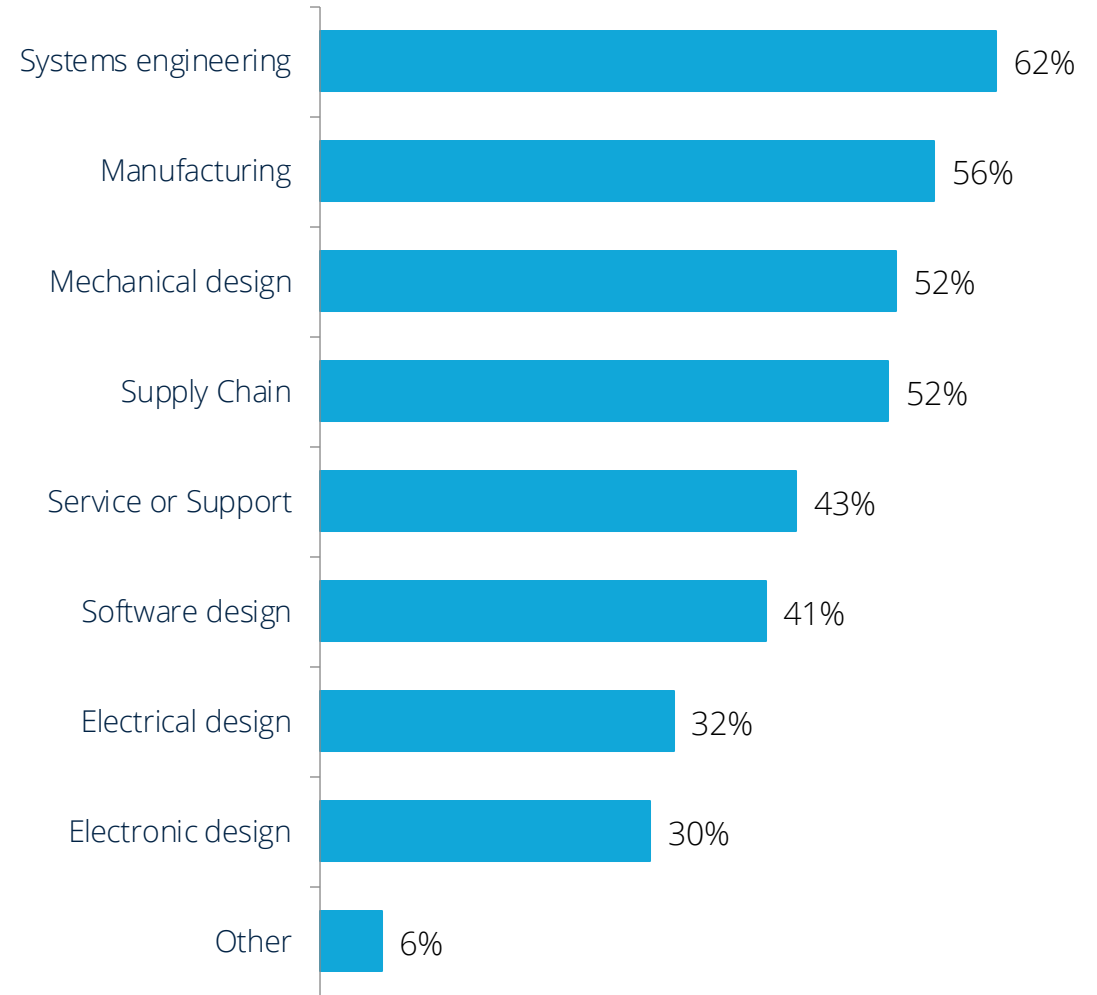
- Make data migration easier
- Make their tools easier to learn and use
- Develop and implement better industry standards for data sharing



Question: How can digital transformation software tool vendors help your digital transformation?  
 Base: All respondents; multiple answers permitted (n=143)

# Areas of Company Investing in Digital Transformation

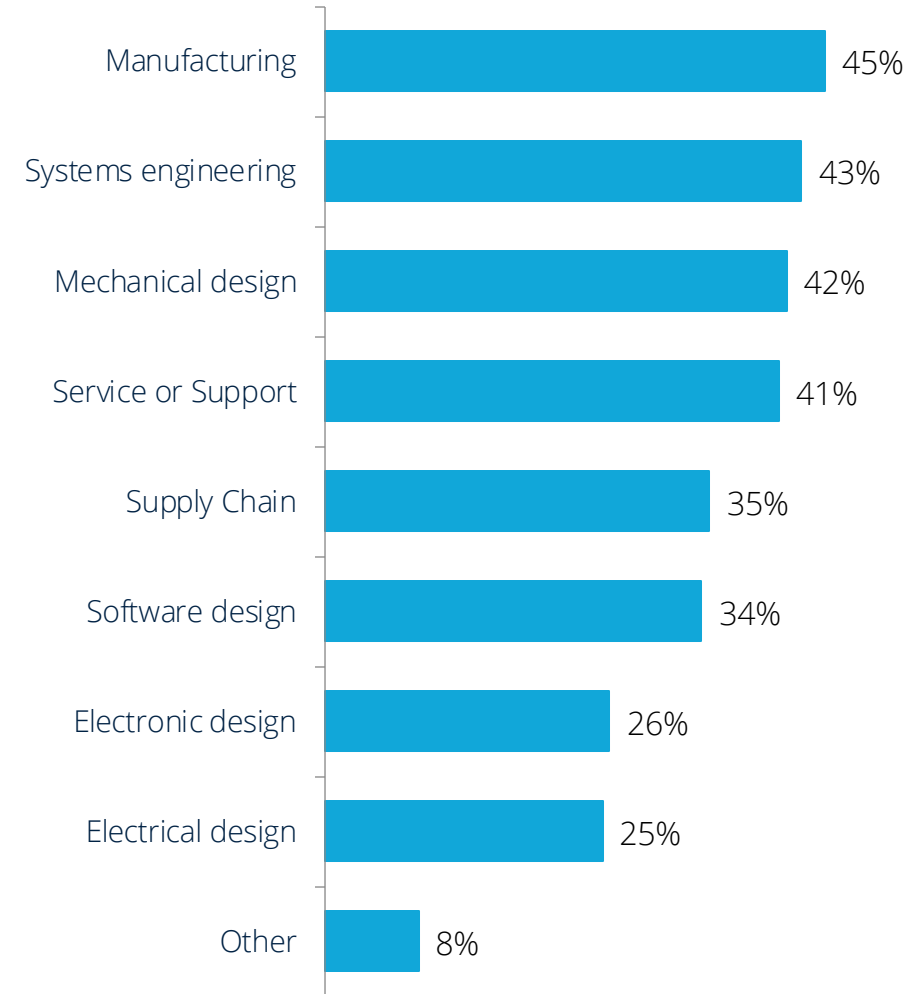
Systems Engineering and Manufacturing are the top two areas of current investment and the top two areas of planned future investment.



Question: What areas is your company investing in digital transformation today?  
 Base: All respondents; multiple answers permitted (n=143)

# Areas Planned for Digital Transformation Investment

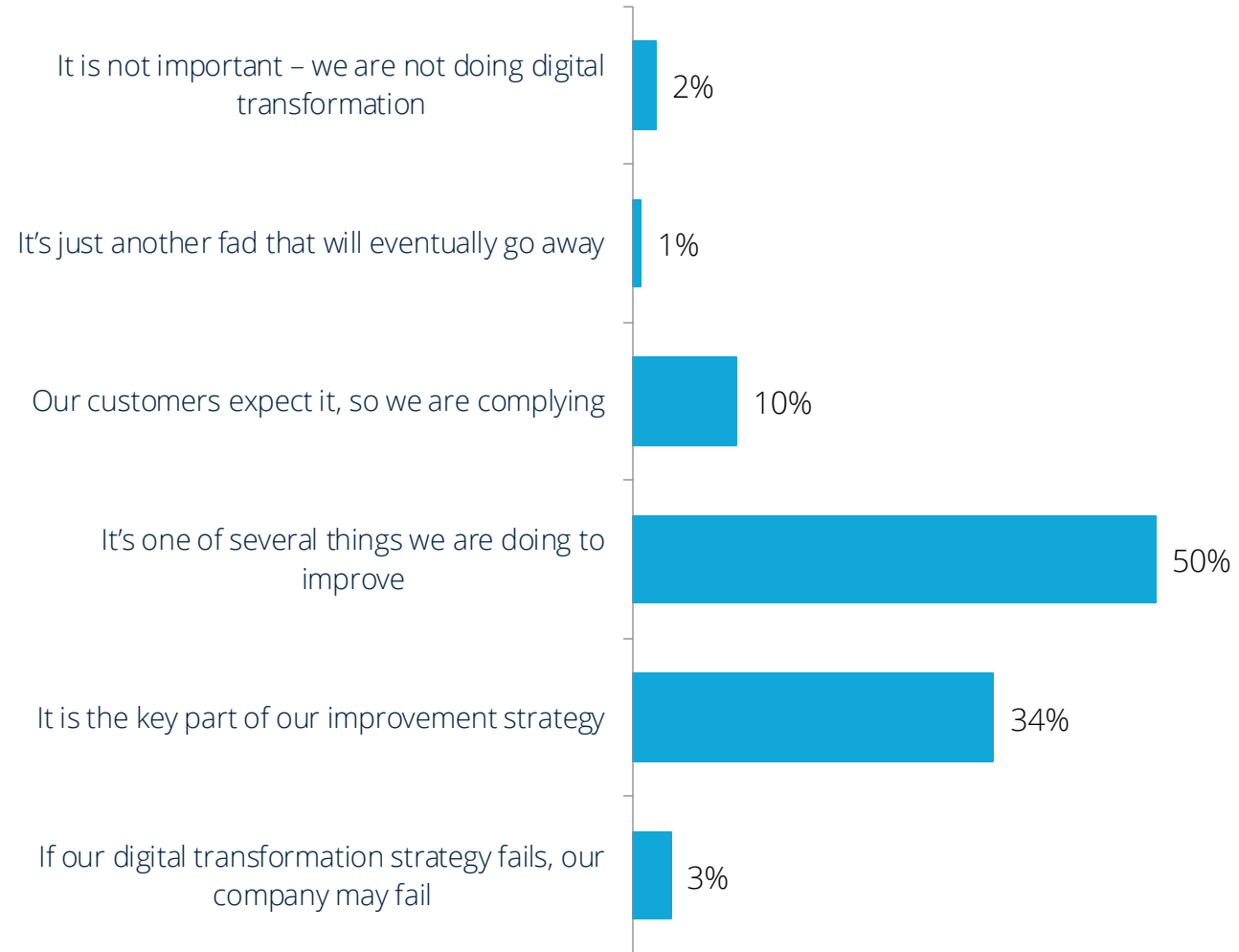
Systems Engineering and Manufacturing are the top two areas of current investment and the top two areas of planned future investment.



Question: What new areas is your company planning to invest in digital transformation in the next three years?  
 Base: All respondents; multiple answers permitted (n=143)

# Importance of Digital Transformation

Over 80% of respondents indicate that digital transformation is either one of several things their company is doing to improve (50%) or it is the key part to their improvement strategy (34%).



Question: How important is digital transformation to your company?  
 Base: All respondents (n=143)

Thank you

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