SIMSCALE

The State of Engineering AI 2026

March 2026

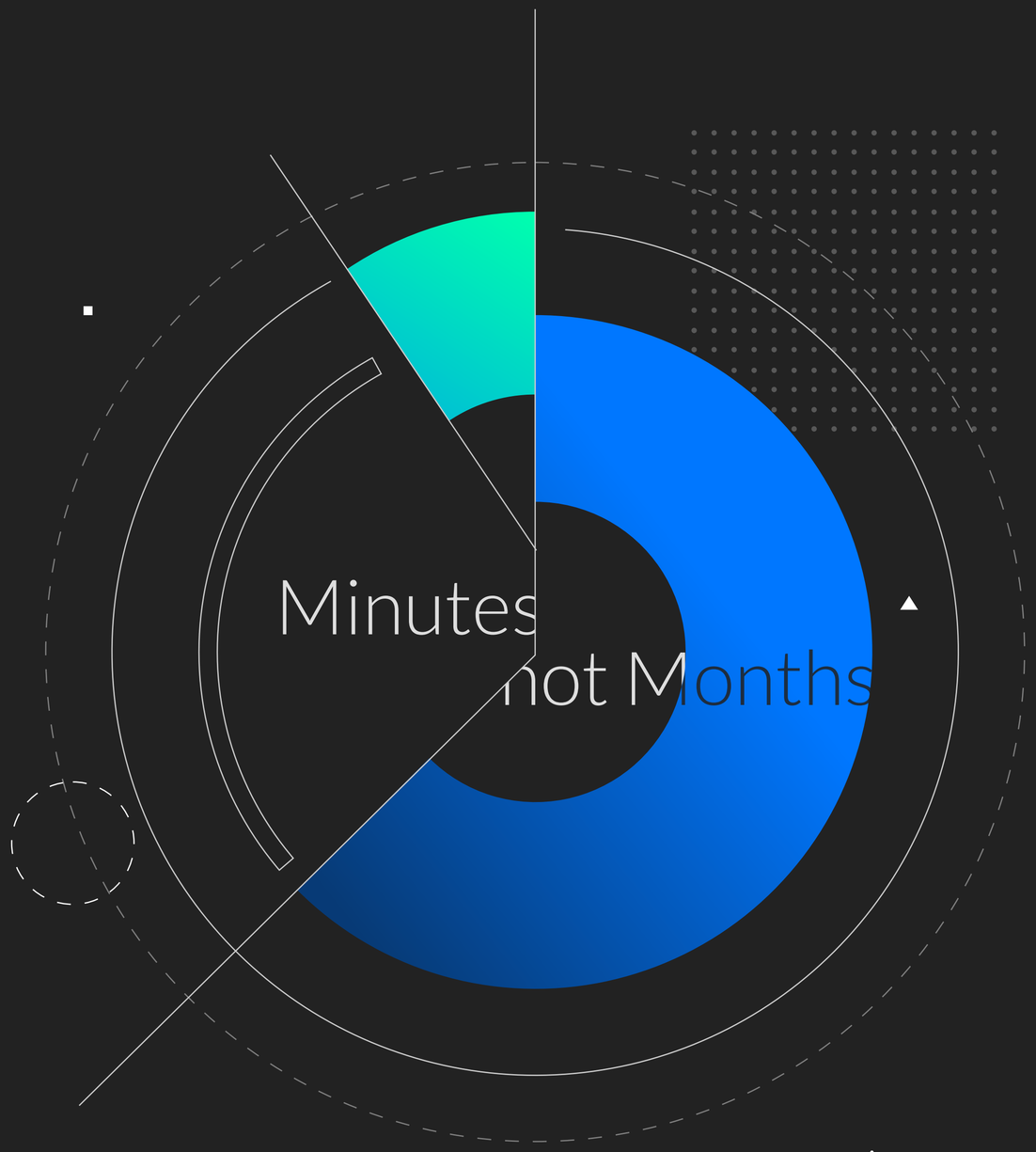
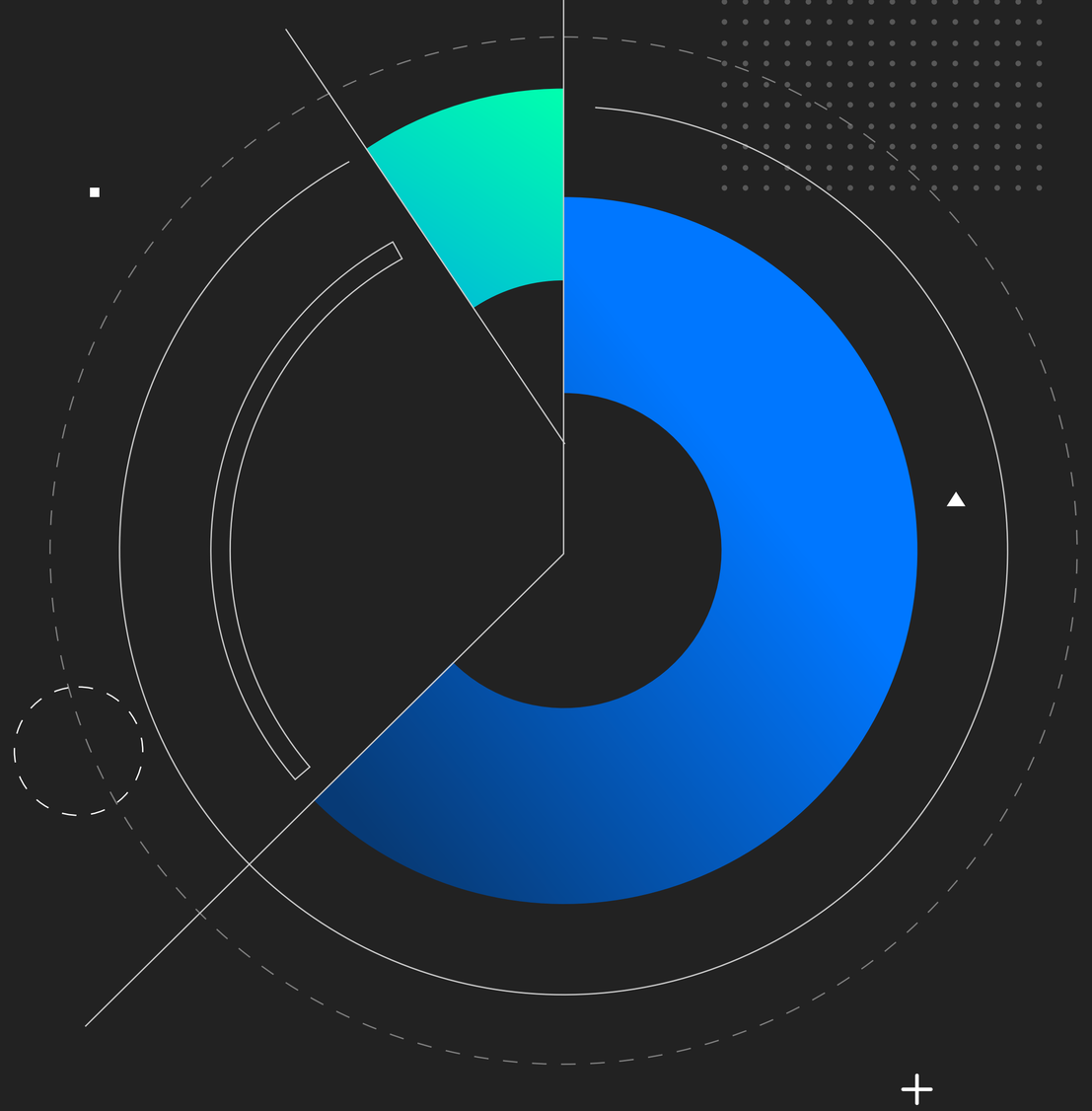


TABLE OF CONTENTS



INTRODUCTION & KEY FINDINGS

INTRODUCTION

Engineering AI is entering a new phase. In our 2025 research report, the story was one of high expectations but limited realized value: engineering leaders believed AI would transform design and simulation, yet only a small number of organizations had moved beyond early experimentation. Only one year later, the picture is changing. AI is no longer confined to strategy decks and pilot programs; engineering teams are beginning to integrate it directly into design exploration, simulation workflows, and technical decision-making. The industry has moved from asking whether AI matters to asking how to operationalize it responsibly at scale.

The results of our 2026 survey show that meaningful progress is now underway, but adoption remains uneven. More engineering organizations are experimenting with AI-driven workflows, and measurable gains are beginning to appear, from faster engineering response times to dramatically expanded design exploration. At the same time, scaling these capabilities across complex engineering environments is proving far more difficult than running initial pilots. Infrastructure readiness, governance models, and workflow integration are emerging as the defining challenges separating organizations realizing real value from those still stuck in “pilot purgatory.”

This report maps the next stage of the Engineering AI journey. Drawing on survey responses from engineering leaders across industries, it examines where organizations are already seeing measurable benefits, where adoption is accelerating, and which blockers, both perceived and actual, prevent AI from scaling across product development processes.

By highlighting both the breakthroughs and the barriers, consider this report your leadership guide for moving from isolated AI experiments to operational Engineering AI, where AI becomes a trusted part of everyday engineering work.

METHODOLOGY

To gain deeper insight into how engineering organizations are adopting and scaling AI across design and simulation workflows, SimScale commissioned a survey of 350 senior engineering leaders. Respondents included CTOs, VPs and Heads of Engineering, and VPs and Heads of Simulation, all working in organizations with more than 1,000 employees.

The survey was conducted across three engineering markets: the US, UK, and Germany. Participants represented a broad cross-section of industries, including AEC, Automotive & Transportation, Electronics & High Tech, Energy, Life Sciences & Healthcare, and Machinery & Industrial Equipment.

The research was administered online by Global Surveyz Research, an independent global research firm. Respondents were recruited through a global B2B research panel and invited via email to participate. All responses were collected during February 2026. To minimize response bias, the order of answer options in most non-numerical questions was randomized.

KEY FINDINGS

01 | Engineering AI is redefining product design

Organizations using AI-enabled processes report evaluating over 3× more design variants per program, allowing teams to test more ideas, expand the scope of engineering creativity, and converge on optimized products faster. Compared with 2025 research, the share of companies either piloting or running mature production programs in AI and agentic engineering has more than doubled, showing that Engineering AI has moved decisively beyond early experimentation. In the largest engineering organizations, AI-enabled programs are already evaluating more than 200 design variants per program, signaling a fundamental shift in how products are designed and optimized.

02 | AI-enabled workflows are already delivering commercial advantage

Despite just 9% of organizations citing a mature, scaled AI program in place, and 80% still in pilot and experimentation stages, engineering leaders using AI-enabled workflows report RFQ and technical bid turnaround times roughly 3× faster than conventional processes. This provides a significant commercial advantage, giving teams more time to explore design options, refine technical proposals, and deliver more competitive solutions within the same bidding window. Even considering limited deployments, Engineering AI is beginning to influence both the quality and the volume of opportunities organizations can pursue.

03 | Engineering AI scales on infrastructure and organizational strategy

Organizations successfully scaling Engineering AI are distinguished by modern engineering infrastructure. The most commonly cited enablers include secure data governance (70%), clear ownership for moving pilots to production (65%), and cloud-native engineering platforms (55%) — with 75% of organizations reporting mature AI programs citing cloud-native platforms as an enabler. The implication is clear: Successful AI adoption is both a technology challenge and an organizational one, requiring buy-in across leadership, engineering and IT functions.

04 | Data is still perceived as the biggest barrier to Engineering AI, but it should not become an excuse for inaction

Despite rapid experimentation with AI, 74% of organizations still cite data preparation and availability as the primary barrier to scale, followed by governance and compliance concerns (48%) and software interoperability challenges (42%). The concern is particularly strong among organizations still stuck in pilot phases, suggesting that many teams view centralized engineering data as a prerequisite for moving forward. In contrast, those with mature AI programs were half as likely to report data as a key blocker to scaling their AI adoption programs. The findings indicate that while some advanced AI applications such as surrogate modeling depend heavily on well-structured simulation data, the broader Engineering AI opportunity does not require perfect data architecture to begin delivering value, and many organizations may be more prepared than they think.

05 | Engineers prefer AI co-pilots over autonomous agents… for now

Agentic AI is beginning to appear across the product development lifecycle, with 19% of simulation and CAE workflows already using autonomous AI agents, compared with 11% in design/CAD and 10% in requirements engineering. At the same time, adoption remains measured: more than 80% of engineering workflows have yet to reach this level of autonomy. By comparison, AI copilots and assistant tools are already far more widely used across engineering workflows, with an average of 69% adoption. Governance remains central to adoption, with 87% of organizations permitting AI-driven pass/fail decisions only under defined oversight frameworks, highlighting that engineering teams are introducing autonomy carefully as trust and operational models mature

SURVEY REPORT FINDINGS

AI Transitions from Optional to Imperative: 100% of Engineering Leaders Now Prioritize AI Integration.

AI is now firmly established as a strategic priority in engineering design and simulation. In this year's results, 34% of respondents say AI is an extremely important priority for their engineering teams, and 100% rate it as important.

Unlike our previous report, where 14% of respondents said AI was not a current priority, the question for engineering teams is no longer whether AI should play a role in design and simulation workflows. That 14% has effectively disappeared, making laggards of any teams not adopting AI. Instead, the focus has shifted to how quickly and effectively organizations can integrate AI into their engineering processes.

This suggests a growing level of trust in AI-driven tools and methods, alongside a stronger sense of urgency as companies work to operationalize AI within design and simulation environments.

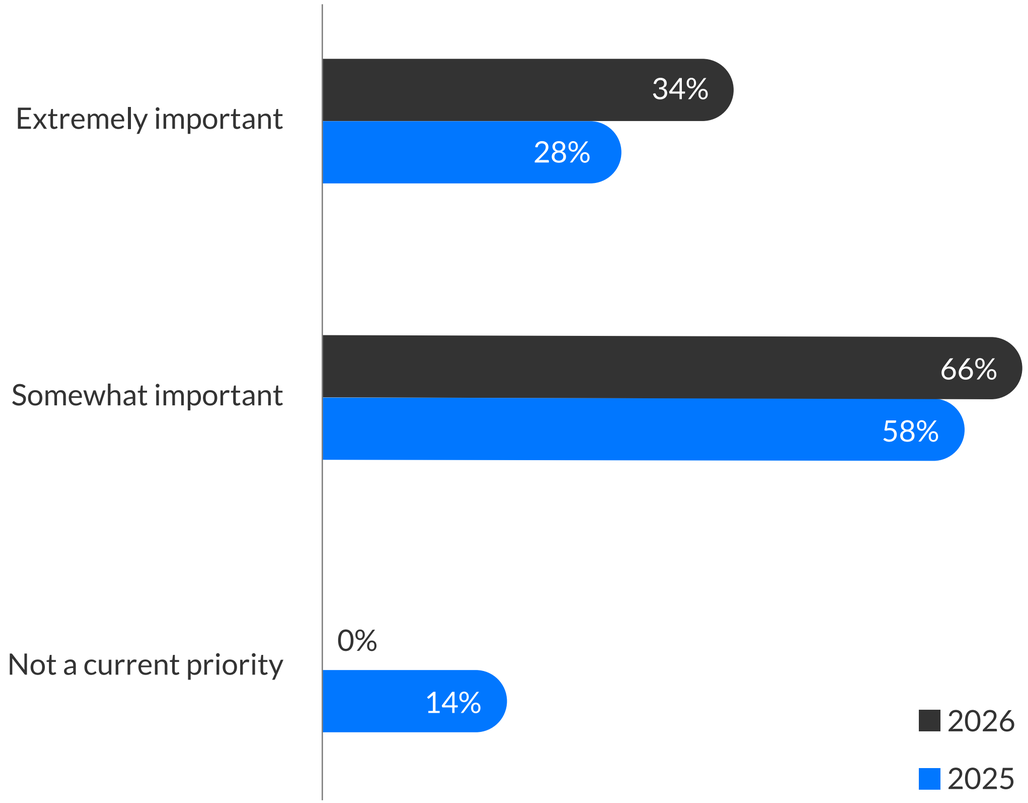


Figure 1: Importance of AI in Current Engineering Design and Simulation Strategy

AI Adoption in Engineering & Simulation Workflows has doubled in less than a year

Engineering teams are rapidly moving from planning AI initiatives to actively experimenting with them. 80% of respondents say their organizations are currently experimenting with AI pilots, **nearly doubling from 42% in 2025.**

This shift suggests that many of the organizations that were previously planning to begin AI initiatives (44% last year) have now taken the next step and started testing AI within their engineering environments. Just 3% say they have no plans to adopt at this stage.

However, while experimentation is growing quickly, progress toward fully scaled AI programs remains slower. Only 9% of organizations report having mature, scaled AI initiatives, compared with 7% in 2025. This gap points to a key challenge facing engineering teams today: moving from pilot projects to operational, enterprise-wide AI adoption.

What this means to engineering leaders

As more organizations begin experimenting with AI in design and simulation, understanding the barriers that prevent pilots from scaling, and learning from those who have successfully scaled their own initiatives will become increasingly important. Closing this gap will be essential for turning early experimentation into lasting engineering impact.

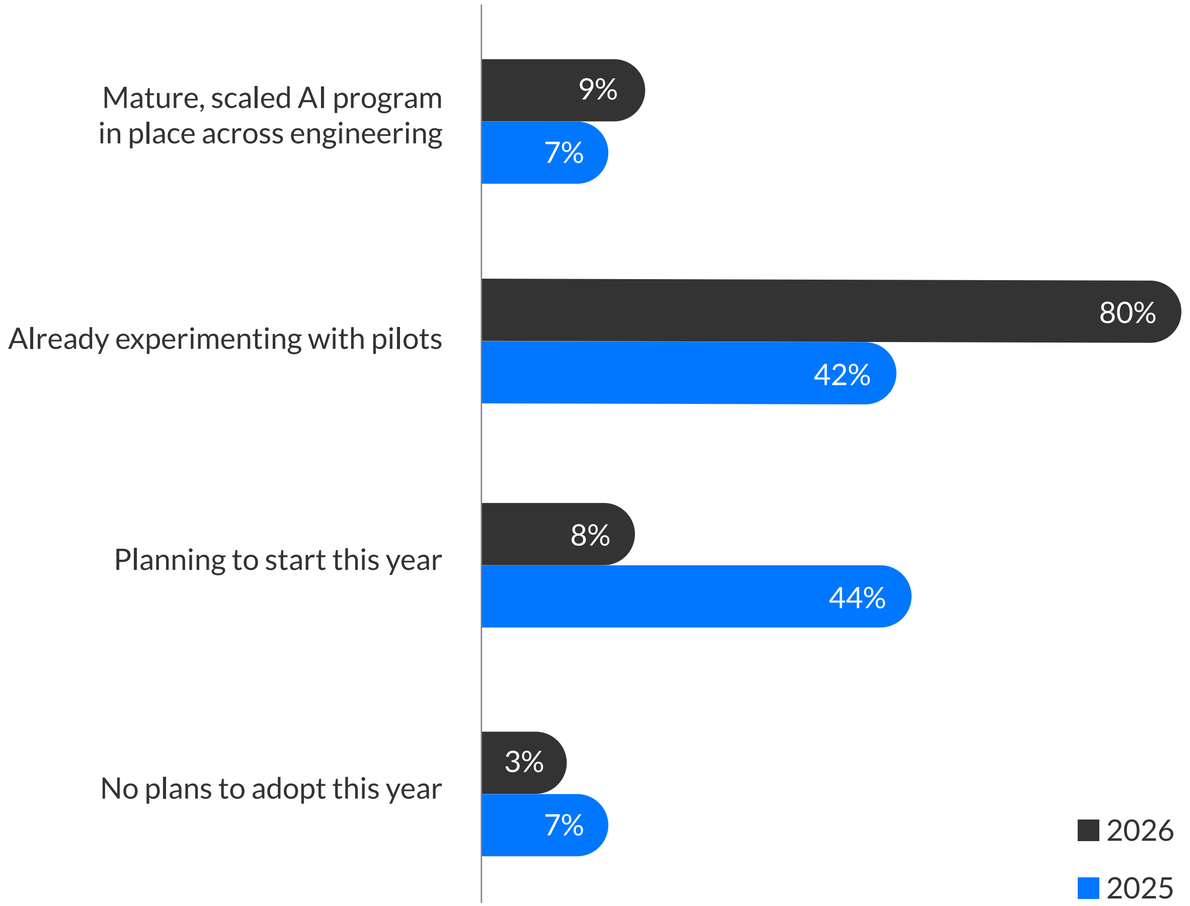


Figure 2: Current Status of AI Adoption in Engineering Design and Simulation Workflows

From Assistants to Partners: Teams are Now Navigating the Transition to Agentic Workflows

Agentic AI is already appearing in engineering environments, but most organizations are still in the early stages of using it. 90% of respondents reported some use of agentic AI co-pilots or autonomous agents within their design and engineering workflows during 2025.

However, this does not mean autonomous engineering is already widespread. The vast majority of organizations are still experimenting cautiously. 83% say their deployments are limited, while only 7% report extensive use of agentic AI across engineering workflows.

This suggests that interest in agent-based systems is real, but trust, governance, and control remain important considerations as teams evaluate how these technologies fit into critical engineering processes.
The data also shows a strong relationship between broader AI maturity and deeper adoption of agents. **Among organizations with mature AI programs, 78% report extensive use of agentic AI technologies.** This indicates that while many engineering teams are beginning to explore agent-based tools, the organizations seeing the greatest impact are those that have already developed stronger AI foundations.

What this means to engineering leaders
Your senior talent can become high-level architects and orchestrators if you can move beyond “passive copilots" and invest in agentic workflows.

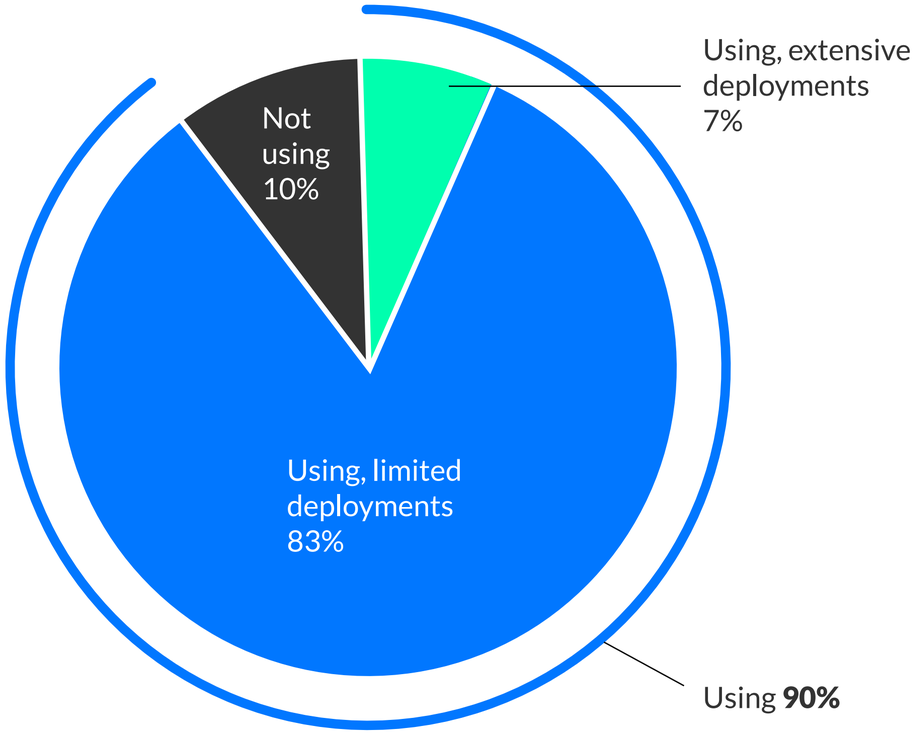


Figure 3: Use of Agentic AI Co-pilots or Autonomous Agents in 2025 Engineering Workflows

Simulation Leads the Agentic Charge: CAE Workflows Achieve 19% Autonomy Maturity

Agentic AI is beginning to appear across the product development lifecycle, but adoption is concentrated in a few key areas. The highest levels of usage today are in simulation and CAE (19%), followed by design and CAD (11%) and requirements engineering (10%).

This pattern reflects where AI can deliver value most quickly. These parts of the development process tend to be structured, data-rich, procedural, and highly measurable, making them well suited to automation and AI-assisted workflows.

Simulation stands out in particular. 19% of simulation workflows involve some kind of experimentation with autonomous AI agents, a notable milestone given the complexity of these engineering tasks. At the same time, this also highlights the scale of the opportunity ahead. More than 80% of simulation workflows have yet to begin experimentation, meaning there is still significant room for AI to expand its role in engineering processes.

Across product development more broadly, many teams may already be using AI co-pilots or assistants. However, the data suggests that fully autonomous workflows remain the exception rather than the norm, pointing to huge untapped potential and a large runway for further adoption as organizations build confidence and capability in agentic AI systems.

Practical takeaway for engineering leaders

Target simulation as your first agentic win, leveraging its structured nature to prove ROI before expanding to less procedural domains.

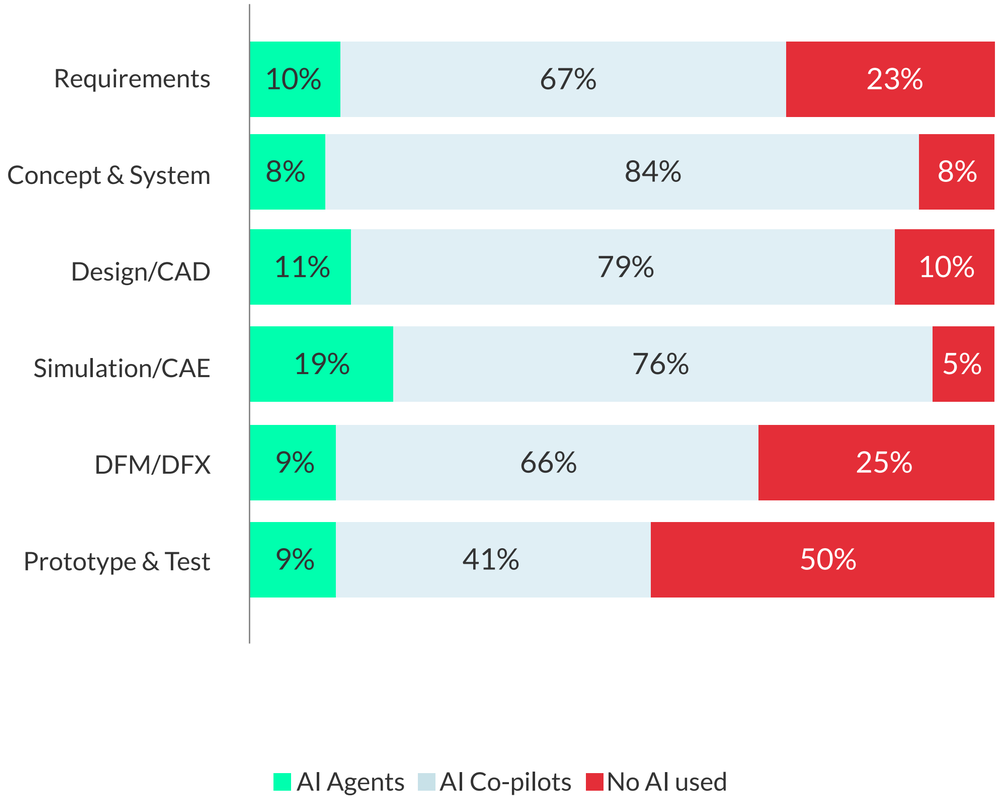


Figure 4: Current Usage of Agentic AI Across the Product Development Process

The New Standard in Design Exploration: 92% of Organizations Deploy Surrogate Models for Near-Instant Results

92% of respondents report deploying surrogate models to accelerate simulation or design exploration workflows in 2025.

However, most organizations are still using these models in a limited capacity. 84% report limited deployments, while only 8% say surrogate models are extensively deployed across their workflows. This suggests that while the technology has gained broad acceptance, many teams are still expanding how deeply it is integrated into engineering processes.

The significance of surrogate models goes beyond simply making simulations run faster. Their real value lies in enabling broader and earlier design exploration, allowing engineering teams to evaluate more design options and iterate more quickly during development.

The data indicates that surrogate models are increasingly viewed as a practical and trusted tool for augmenting engineering workflows, rather than an experimental technique. At the same time, the relatively small number of extensive deployments suggests there is still room for organizations to scale their use as confidence grows around model accuracy, training data availability, and implementation costs.

Practical takeaway for engineering leaders

Use surrogate modeling to move validation from a late-stage "gate" to an early-stage "guide," enabling real-time design exploration.

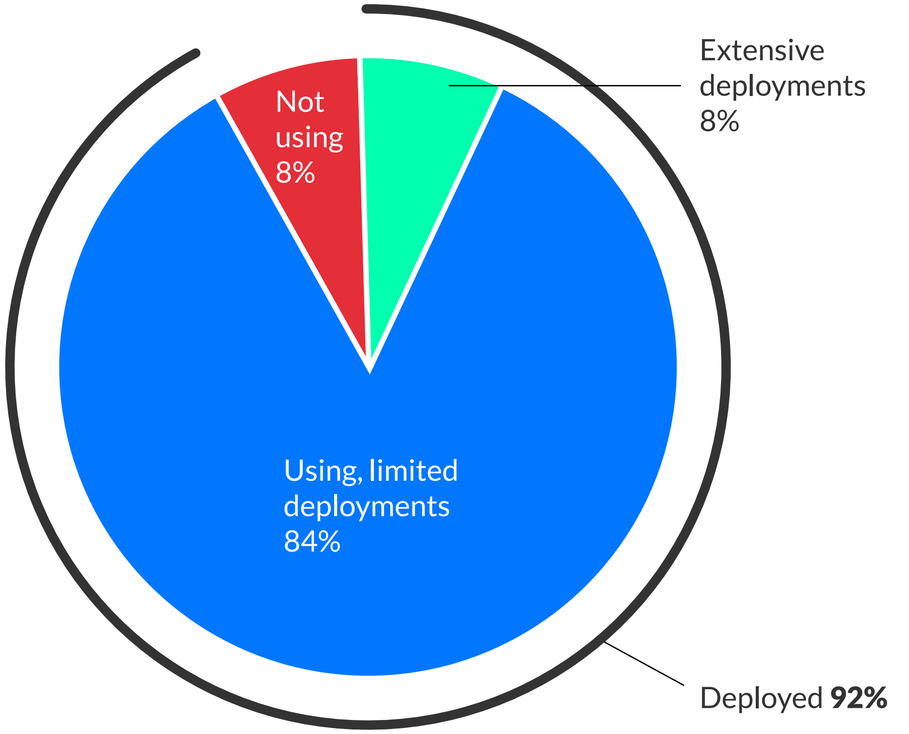


Figure 5: Deployment of AI Surrogate Models to Accelerate Simulation or Design Exploration Workflows in 2025

The Infrastructure Advantage: Cloud-Native Stacks as the Key Enabler for Mature AI Programs

As engineering teams move from experimentation to scaled AI adoption, the foundations they put in place are becoming increasingly important. The survey highlights three leading enablers organizations say are helping them advance AI and agentic engineering initiatives: secure data governance and access controls (70%), clear cross-functional ownership for moving pilots into production (65%), and an executive mandate with a defined budget (56%).

Successful AI adoption is not only a technology challenge, but also an organizational one. Clear governance around data, defined accountability for scaling initiatives, and visible leadership support all play a key role in moving beyond isolated pilots.

Infrastructure also appears to be a strong differentiator. Cloud-native technology stacks (55%) stand out as an important enabler, and deeper analysis by maturity (figure 8) reinforces this point. Organizations with cloud-native stacks are significantly more likely to report mature, scaled AI programs, with this cohort representing 75% of those with mature AI adoption. Behind the scenes, we see the same pattern when it comes to managed, centralized simulation and engineering data. This pattern supports a broader takeaway: the underlying engineering infrastructure and data reality of an organization often determines whether they successfully scale AI initiatives.

Practical takeaway for engineering leaders

Leaders should prioritize cloud-native infrastructure now to remove the computational and physical barriers that prevent AI from scaling across your teams.

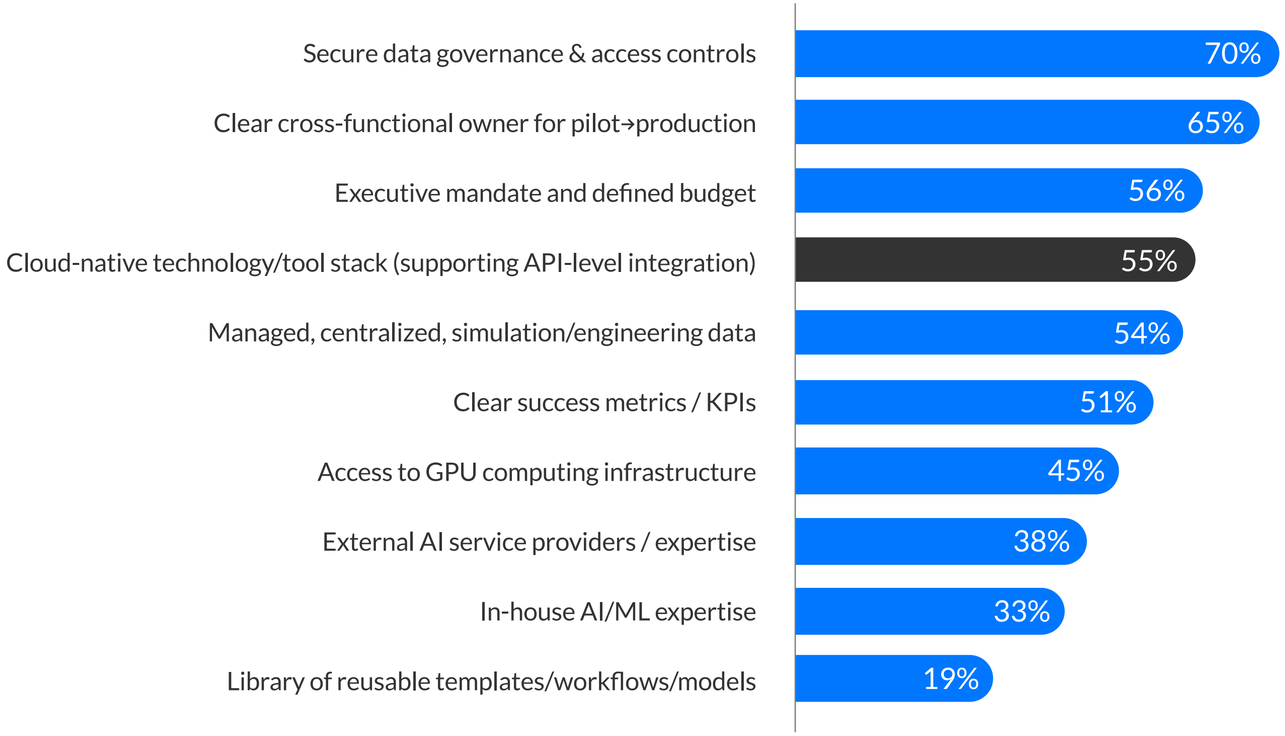


Figure 6: Enablers in Place for AI and Agentic Engineering

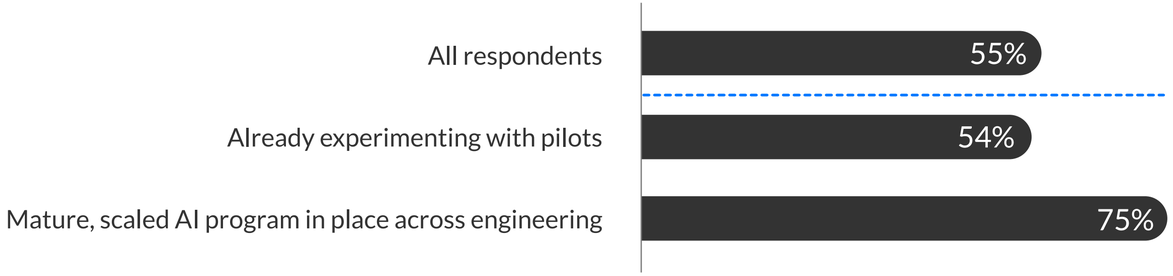


Figure 7: Cloud-native Technology/Tool Stack by Organization's Current Status with AI Adoption

*Question allowed more than one answer and as a result, percentages will add up to more than 100%

3x Productivity Gains: AI-Enabled Workflows Slash Simulation Turnaround Times

There is a significant difference in how quickly engineering requests can be completed depending on the workflow used. On average, simulation requests take 17 hours using conventional workflows, compared with 6 hours when AI-enabled workflows are used. This is close to a 3× faster turnaround.

This difference is not simply about analyst productivity. Faster simulation turnaround means engineering teams can provide decision support much earlier in the product development process, helping product and design teams move forward more quickly and confidently. It is also an enabler for Multi-Site Collaboration. Reducing service time ensures engineering insights can keep pace with global design cycles.

The distribution of responses further illustrates this shift. With conventional workflows, 83% of respondents report that a simulation request takes more than half a day to complete. In contrast, with AI-assisted workflows, 95% say requests are completed in less than half a day, and the most advanced teams report completing some requests in under an hour. No engineering leaders say that simulation requests take longer than a day to service.

Taken together, the results suggest that AI-enabled engineering workflows are changing how responsive engineering teams can be, allowing simulation insights to be delivered on timescales that better match the pace of modern product development.

What this means to engineering leaders

Reducing service time is about far more than productivity alone. It empowers multi-site collaboration, ensures earlier decision support, and supports both simulation and design teams.

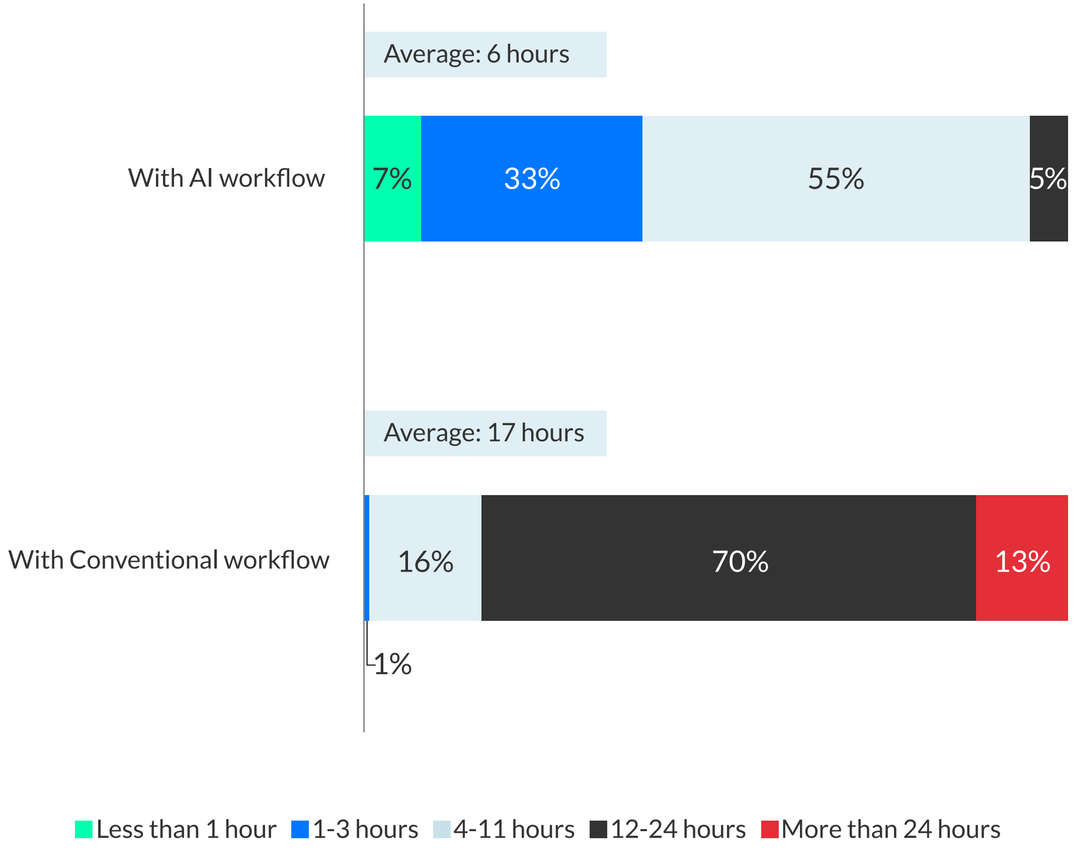


Figure 8: Typical Time Required to Service a Simulation Request

Accelerating the Cadence of Innovation: AI Drives 2.5x Increase in Daily Simulation Iterations

Depending on the workflow, the data presents a clear difference in how frequently simulation is used during the design process. On average, AI-enabled workflows are associated with one daily design iteration being tested in simulation, compared with one design every 2.5 days using conventional workflows.

In practical terms, this means simulation is being used more than twice as often during design when AI workflows are in place, and allows teams to test 2.5x the number of prototypes. This shift suggests that simulation is beginning to operate closer to the pace of design, allowing engineers to evaluate more ideas and explore a wider range of potential solutions. It also means that when design moves fast, engineers do not have to be left playing catch up.

Importantly, the implication is not just faster analysis. When simulation can keep up with, or even outpace, the speed of design, it can start to inform and guide design decisions earlier in the process, rather than simply validating them after the fact.

For engineering teams, this has the potential to unlock more innovative solutions and improve overall design outcomes.

Practical takeaway for engineering leaders
Target a cadence of at least one daily simulation iteration to ensure technical rigor informs every design direction in real-time.

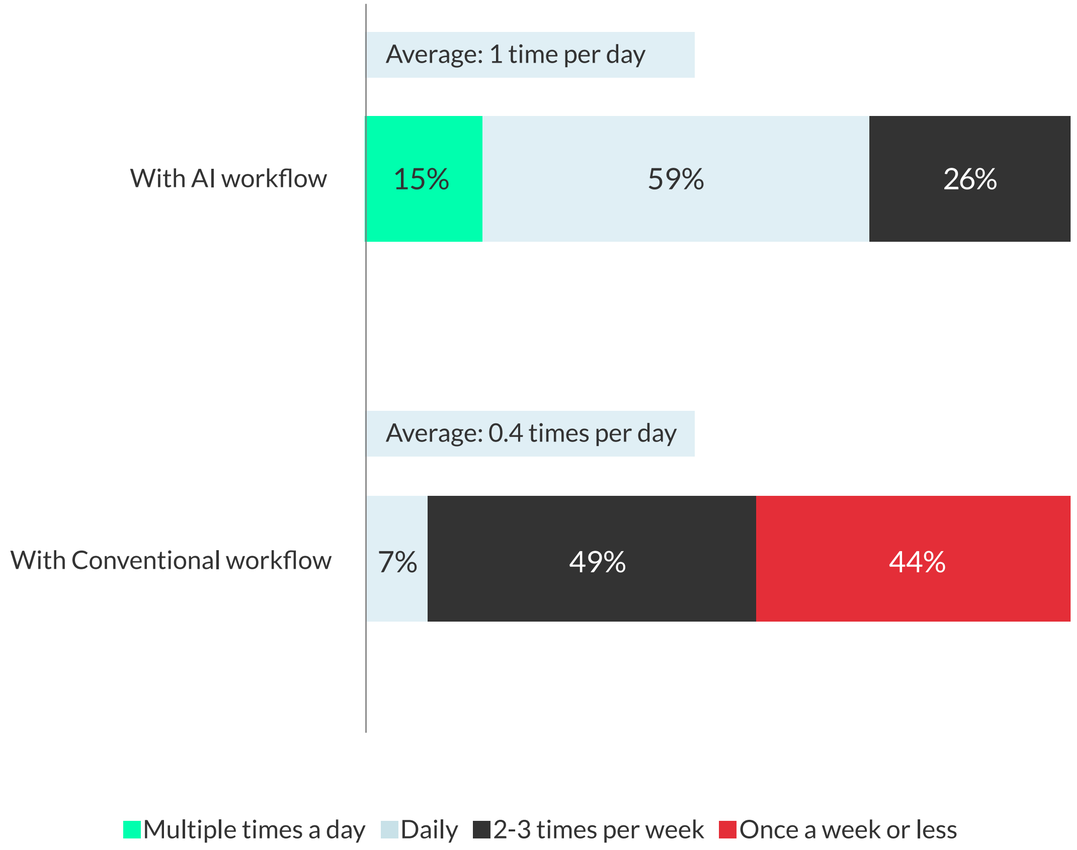


Figure 9: Frequency of Design Iterations Developed and Tested in Simulation during Design

Expanding the Engineering Design Space: Teams Test 3x More Variants to Reach Optimized Products Faster

AI-enabled workflows are associated with a significant increase in the number of design variants engineering teams can evaluate. On average, teams using AI workflows assess 56 design variants per program, compared with 17 variants using conventional workflows — an improvement of roughly 3×.

This shift highlights an important change in how simulation and design exploration are being used. The impact is not simply about completing existing tasks faster; it is about expanding the space of possibilities engineers can explore during product development. With AI-enabled workflows, teams can evaluate far more design options and investigate alternative approaches that may previously have been impractical due to time or resource constraints. There is also a sustainability element here – as hyper-optimization is required to meet 2030 net-zero mandates in decarbonization and electrification.

With an AI workflow, 5% of respondents report evaluating more than 200 design variants, which is close to three times more common in companies with more than 10,000 employees than those with between 5,000 and 10,000. These largest organizations are beginning to operationalize this capability at even greater scale.

Regardless of enterprise size, AI workflows are opening doors for teams to explore a much larger design space, potentially leading to more innovative and optimized solutions.

Practical takeaway for engineering leaders
Reallocate your newly found capacity toward testing the high-risk, hyper-optimized variants that were previously too time-consuming to explore.

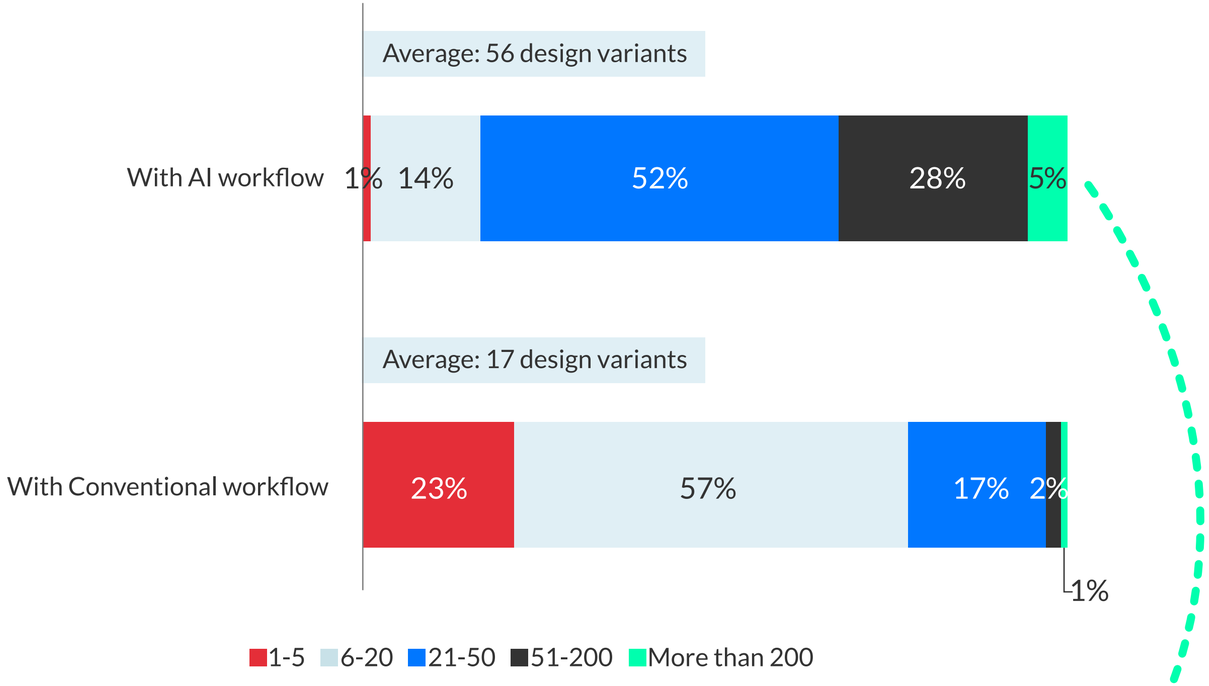


Figure 10: Typical Number of Design Variants Evaluated per Program

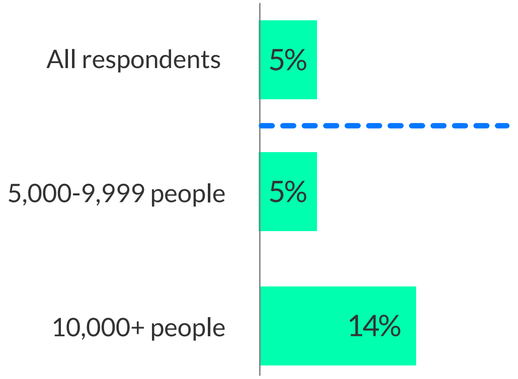


Figure 11: More than 200 With AI Workflow by Company Size

Engineering Speed as a Commercial Weapon: AI Workflows Deliver a 3x Advantage in RFQ and Bid Responsiveness

On average, AI-enabled workflows are associated with RFQ turnaround times that are 3x faster compared with conventional workflows.. In 11% of cases, AI workflows are allowing a turnaround time of less than one day.

Faster engineering analysis does not necessarily mean responding earlier to RFQ deadlines, which are often fixed. Instead, the advantage lies in having more time to explore design options, refine proposals, and arrive at a more competitive technical solution.

The impact can also extend to the volume of opportunities an organization can pursue, becoming a significant commercial advantage. When engineering teams can produce technical evaluations and simulations more quickly, they are better positioned to support a greater number of bids without increasing engineering workload.

It's clear that AI-enabled engineering workflows can influence more than internal efficiency. By accelerating technical analysis and design exploration during the bidding process, they can help organizations improve responsiveness, strengthen proposals, and compete more effectively for new business.

Practical takeaway for engineering leaders
Weaponize your 3x response speed to capture early market share in high-growth sectors where speed is key for survival and success.

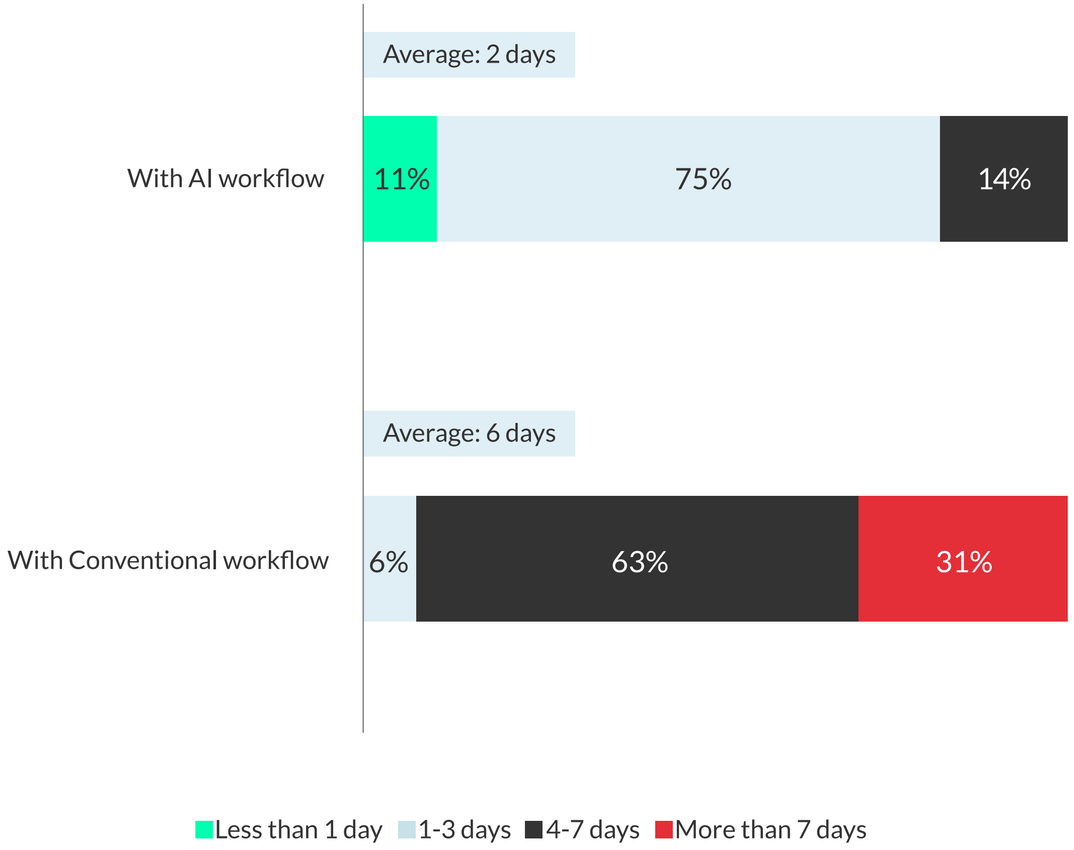


Figure 12: Typical Turnaround Time for RFQ and Technical Bids

The Scaling Milestone: AI Now Powers Over One-Third of Engineering Projects on Average

AI is now playing a meaningful role in engineering workflows, but it has not yet become universal across all projects. On average, 36% of design and simulation projects in the past 12 months used AI or agentic engineering approaches. This 36% can be considered the tipping point, where AI transitions from being a special project to becoming the organizational norm.

Most respondents fall within the 26–50% adoption range, suggesting that many organizations are actively integrating AI into a significant portion of their work, while still relying on conventional approaches for the rest. Many teams appear to be in a scale-up phase, expanding the use of AI beyond initial pilots while continuing to build confidence and capability.

Practical takeaway for engineering leaders
Standardize AI usage as the default for at least 50% of your upcoming portfolio to bridge the gap between niche pilots and enterprise value.

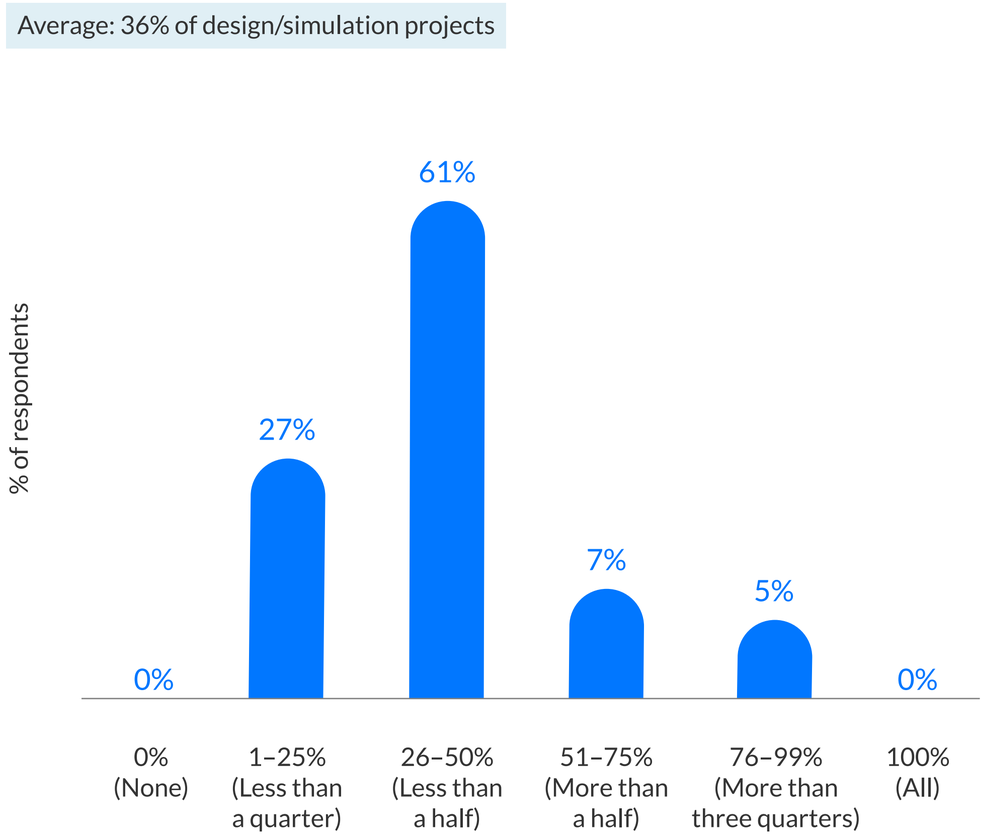


Figure 13: Share of Design and Simulation Projects Using AI or Agentic Engineering in the Past 12 Months

The Governance Guardrail: 87% of Leaders Trust AI for Design Gates Under Defined Oversight

87% of respondents say their organizations permit AI to make pass/fail decisions at design gates under defined governance.

Importantly, the phrase “under defined governance” is key to understanding these results. AI is not being deployed as an uncontrolled or opaque decision-maker. Instead, organizations are introducing AI decision support within clear oversight structures and approval frameworks designed to maintain accountability and engineering rigor.

Within this group, 8% of organizations report allowing AI to make pass/fail decisions autonomously, without additional approval gates or a human-in-the-loop. While still a small minority, this represents a notable step toward operational autonomy in engineering workflows.

In contrast, 79% of respondents permit AI to participate in pass/fail decisions with governance checkpoints or review gates. AI runs alongside engineers, sharing the load, while a human retains oversight.

We can see from the data that engineering organizations are becoming increasingly comfortable with AI taking on more responsibility. However, this trust is developing within carefully defined guardrails.

The level of oversight for AI-involved engineering decisions reinforces this point. 71% of organizations require mandatory human review for all AI outputs, ensuring that engineering teams remain responsible for validating results before decisions are finalized. Only a small minority report relying on lighter-touch models such as post-hoc audits (5%).

While organizations are expanding the role of AI, they are largely ensuring that AI augments engineering decision-making rather than replacing the expertise and judgment of engineering teams.

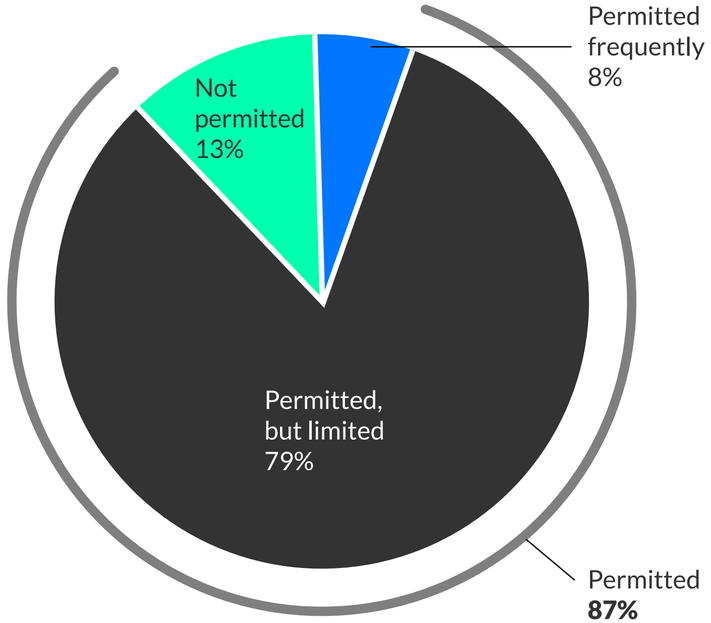


Figure 14: Organizational Permission for AI-Driven Pass/Fail Decisions at Design Gates under Defined Governance

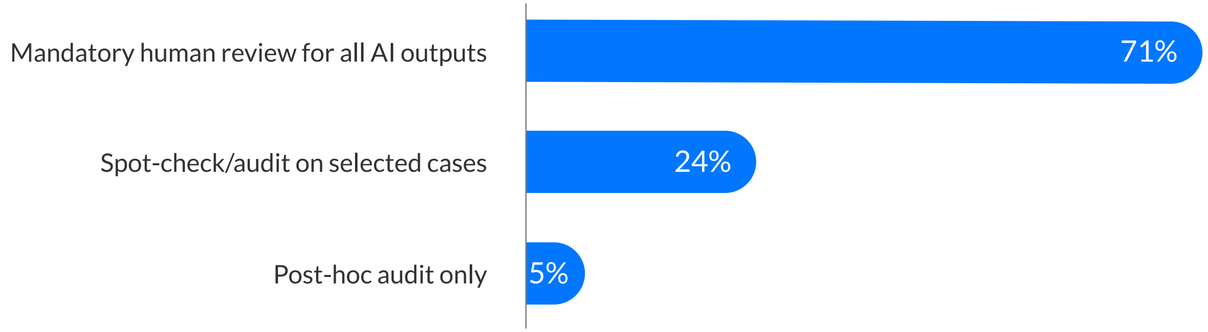


Figure 15: Typical Level of Human Oversight in AI-Involved Engineering Decisions

Escaping Pilot Purgatory: Mature Organizations Deploy AI 2x Faster via Modern Infrastructure

While mature teams hit production in 3-6 months, laggards can take a year or more to get out of pilot purgatory. As a result, moving from AI pilots to production deployment remains one of the most important challenges for engineering organizations.

On average, it takes around eight months from pilot start to the first production deployment of an AI or agentic engineering initiative.

There is a tremendous amount of work involved in operationalizing these technologies. 55% of organizations report that this transition takes between seven and 12 months, while 9% say it takes more than a year. This suggests that while launching AI pilots has become relatively straightforward, turning them into reliable production capabilities requires solving broader challenges around governance, ownership, data readiness, and integration into existing engineering workflows. Delivering durable value from AI depends not just on the technology itself, but on the processes and infrastructure needed to support it at scale. At the same time, the data shows what is possible when the right foundations are in place. Among organizations with mature AI programs, 72% report pilot phases lasting between 3 and 6 months before reaching production deployment. This provides a useful benchmark for what organizations can achieve when infrastructure, processes, and leadership alignment are already established.

Practical takeaway for engineering leaders

Benchmark your pilot-to-production targets at 6 months to stay competitive with the industry's most efficient AI-mature organizations.

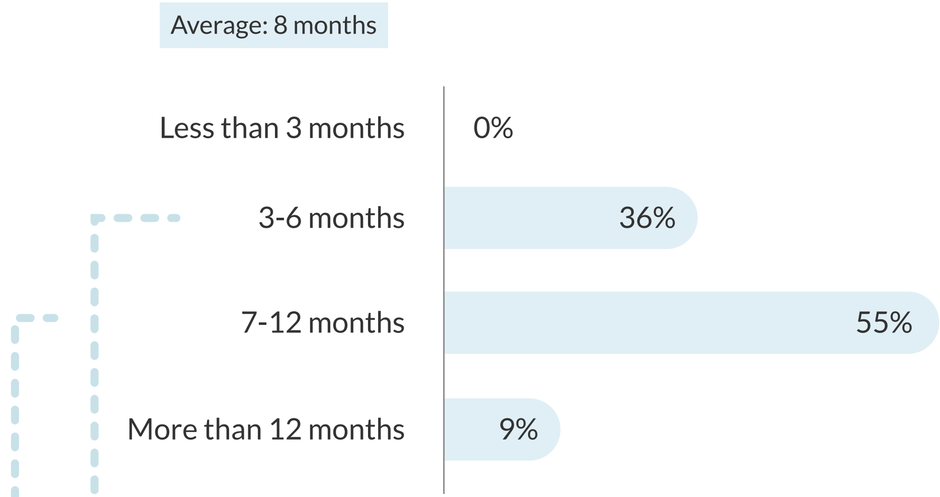


Figure 16: Time Spent from Pilot Start to Production Deployment for Advanced AI or Agentic Engineering Initiatives

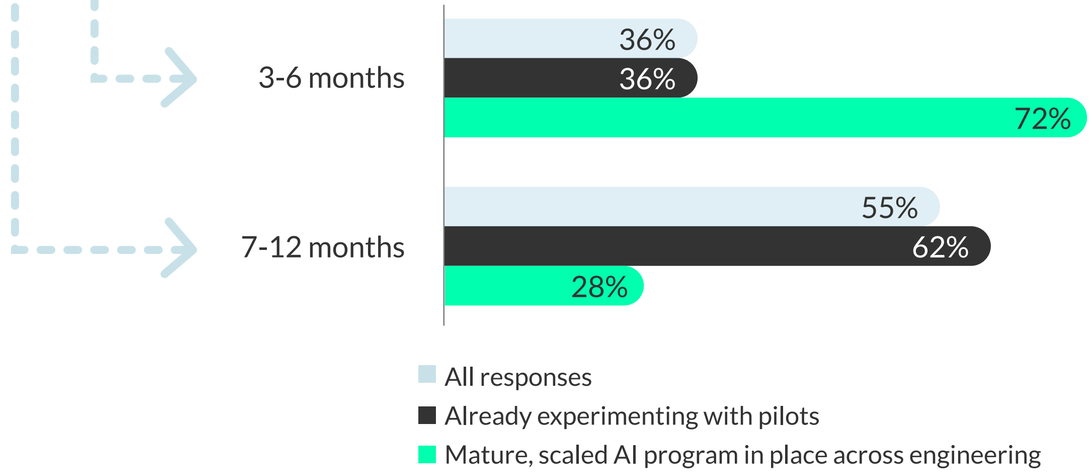


Figure 17: Data Preparation/Availability for AI and Software Interoperability Challenges by Organization's Current Status with AI Adoption

The Data Myth Debunked: Mature Programs are 50% Less Likely to Cite Data as a Scaling Blocker

Despite the rapid growth of AI experimentation in engineering, organizations still face several challenges when attempting to scale. The survey identifies three primary blockers: data preparation/availability for AI (74%), governance and compliance concerns (48%), and software interoperability challenges (42%).

Data readiness stands out as the most widely cited obstacle for teams looking to move from isolated pilot projects to broader deployment across engineering programs.
However, it is worth noting that this concern is often most acute in Physics AI use cases, such as training surrogate models, which require large volumes of structured simulation data. By contrast, many Engineering AI applications, including agentic assistants, workflow automation, and design exploration support, can begin delivering value with far less data preparation, and work out of the box. In these cases, AI systems often only need sufficient contextual engineering data to be available to assist with reasoning, analysis, or decision support.

The findings therefore highlight an interesting tension. While data preparation is widely perceived as a barrier, it may not be a prerequisite for all AI initiatives, as is perhaps more of a perceived blocker than an operational reality. In fact, it may be an excuse for inaction. For many organizations, the opportunity may lie in starting with engineering AI applications that can provide value earlier, rather than waiting for perfectly centralized data architectures. This may be why we see that those with mature, scaled AI programs in place do not cite data preparation as a top blocker.

What this means to engineering leaders
Stop waiting for "perfect data" and deploy agents into existing workflows that require contextual reasoning rather than pure data architecture.

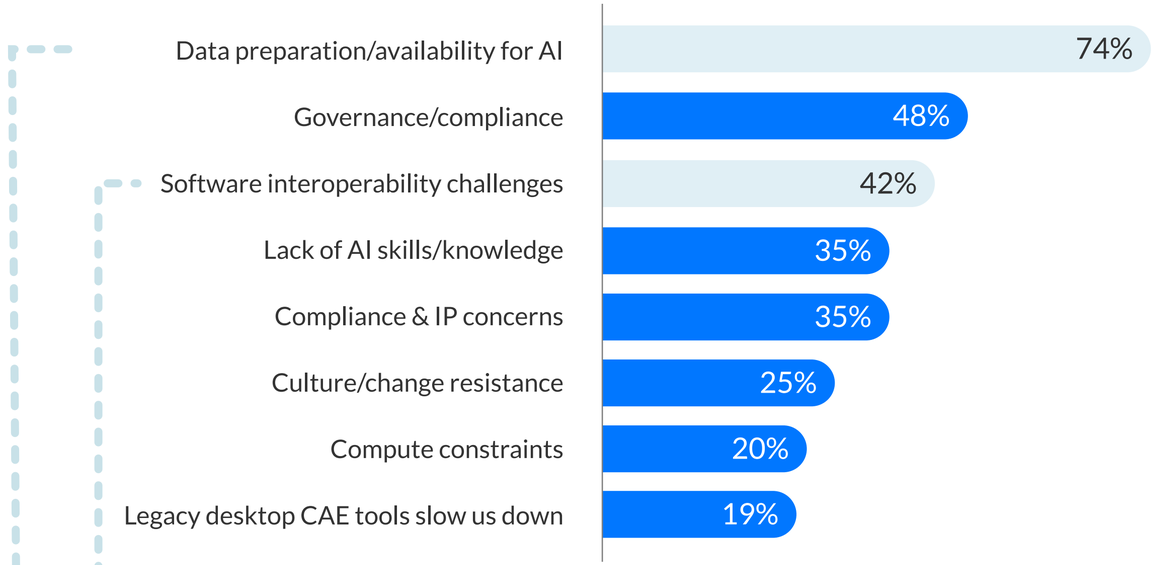


Figure 18: Primary Blockers to Scaling AI and Agentic Engineering in Current Design Engineering Processes

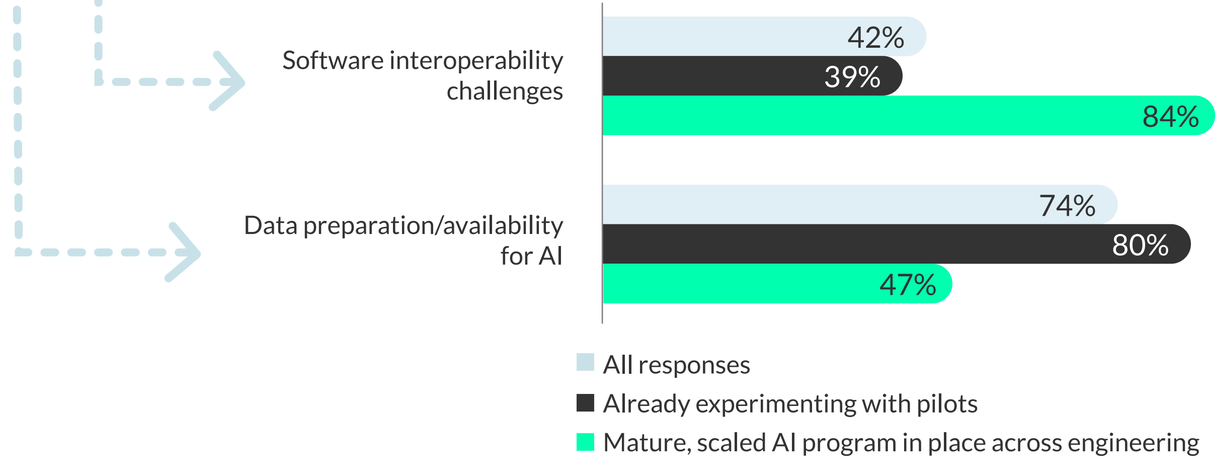


Figure 19: Data Preparation/Availability for AI and Software Interoperability Challenges by Organization's Current Status with AI Adoption

*Question allowed more than one answer and as a result, percentages will add up to more than 100%

The Value Mandate: 99% of Engineering Leaders Expect Tangible ROI Within 12 Months

Confidence in the value of AI within engineering organizations is now extremely high. 99% of respondents say they are confident their organization will realize meaningful business value from AI or agentic engineering within the next 12 months.

This near-universal confidence signals a clear shift in industry sentiment. While in 2025, 12% of respondents cited a lack of confidence, today AI is no longer viewed as an experimental technology whose benefits are uncertain. Instead, most engineering leaders now expect it to deliver tangible impact in the near term. If you're an engineering leader without a plan, you're in the 1%, and you're at risk.

At the same time, the findings across this report suggest that realizing this value will depend on more than adopting AI tools alone. Organizations must still address challenges around data readiness, governance, interoperability, and operational integration to move from pilots to scaled impact. Expectations for value are high, but the path to achieving that value lies in building the infrastructure, processes, and operating models needed to support AI-driven engineering at scale.

Practical takeaway for engineering leaders

Demand clear evidence of measurable business value within a 12-month window to ensure your strategy is delivering a true commercial edge.

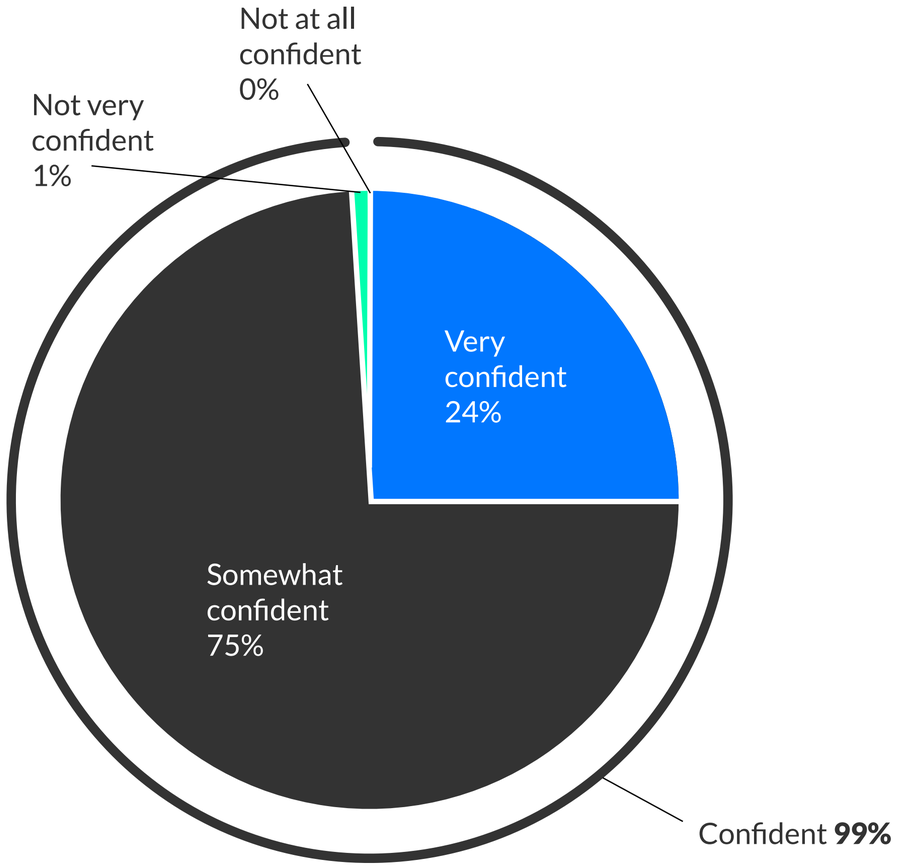


Figure 20: Confidence in Realizing Meaningful Business Value from AI or Agentic Engineering in the Next 12 Months

Structural Transition Ahead: 100% of Organizations Prepare for Universal AI Expansion

Engineering leaders expect the use of AI and agentic engineering to continue expanding across the product development process in the year ahead. All respondents anticipate increased usage, with 25% expecting a significant increase over the next 12 months.
This points to an industry that is moving beyond isolated experimentation and toward broader operational adoption. While many organizations are still scaling their AI capabilities today, the expectation of universal growth suggests that AI is becoming an increasingly integral part of engineering workflows.

Engineering organizations are entering a structural transition in how product development is carried out. AI and agentic engineering are no longer viewed as optional or experimental tools, but as technologies that will play a growing role in how engineering teams design, test, and optimize products. By 2030, we may be experiencing an autonomous engineering workforce, where complexity becomes invisible, and all decisions become conversational.

What this means to engineering leaders
Upskill your workforce focus toward systems thinking and agent governance, to prepare your team for the coming shift from creators to orchestrators.

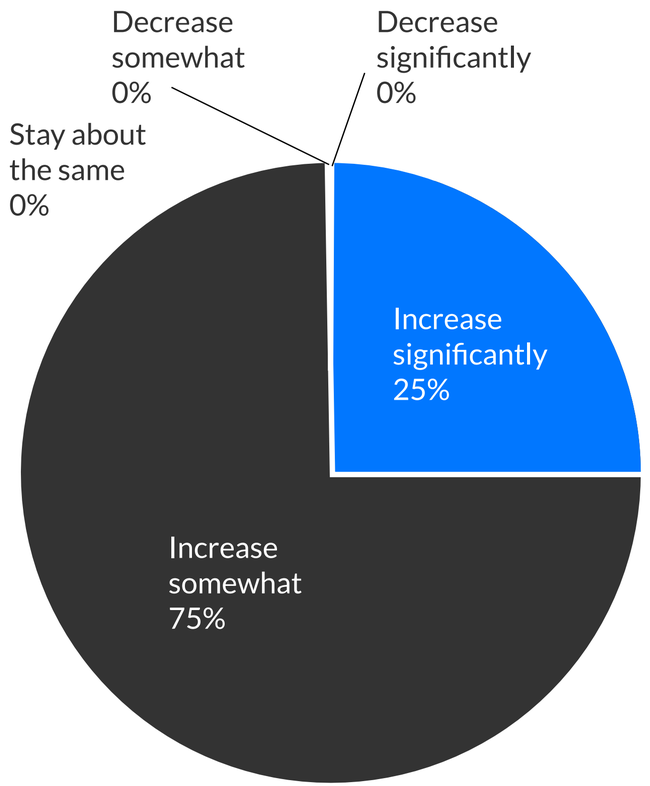


Figure 21: Expected Changes in AI and Agentic Engineering Usage Across the Product Development Process in the Next 12 Months

DEMOGRAPHICS

Figure 22: Country

72% United States

14% Germany

14% United Kingdom

Figure 23: Industry

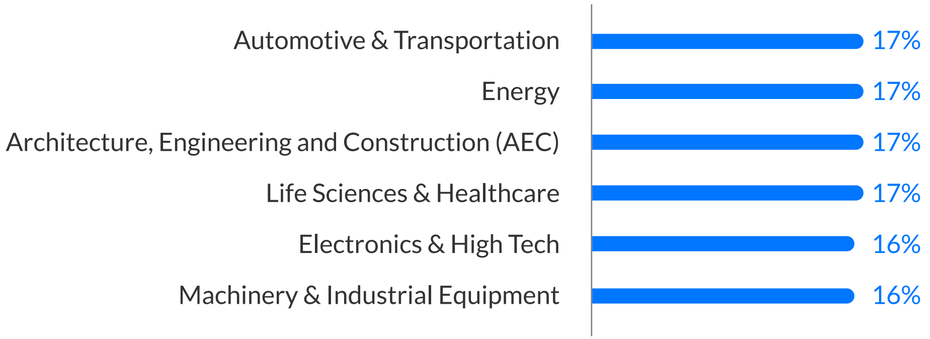
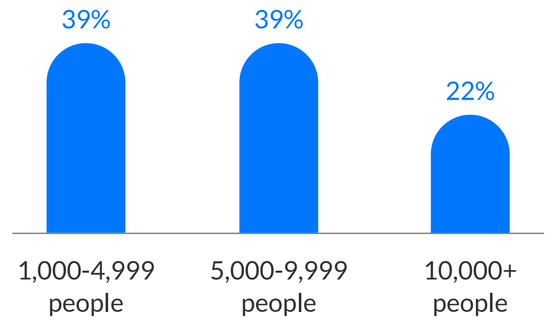


Figure 24: Company Size



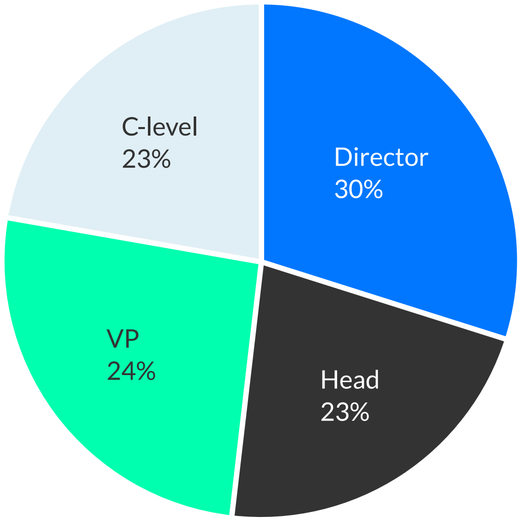


Figure 25: Job Seniority

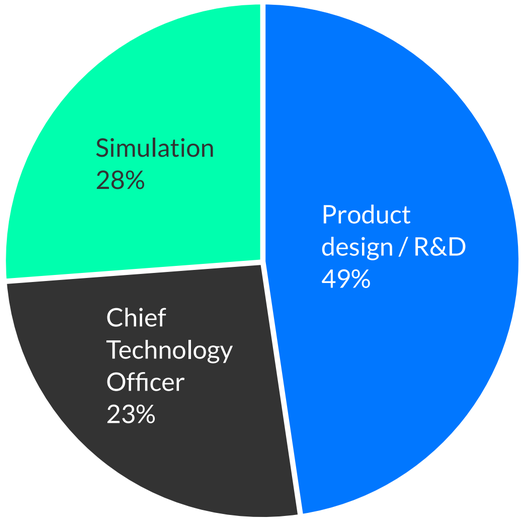
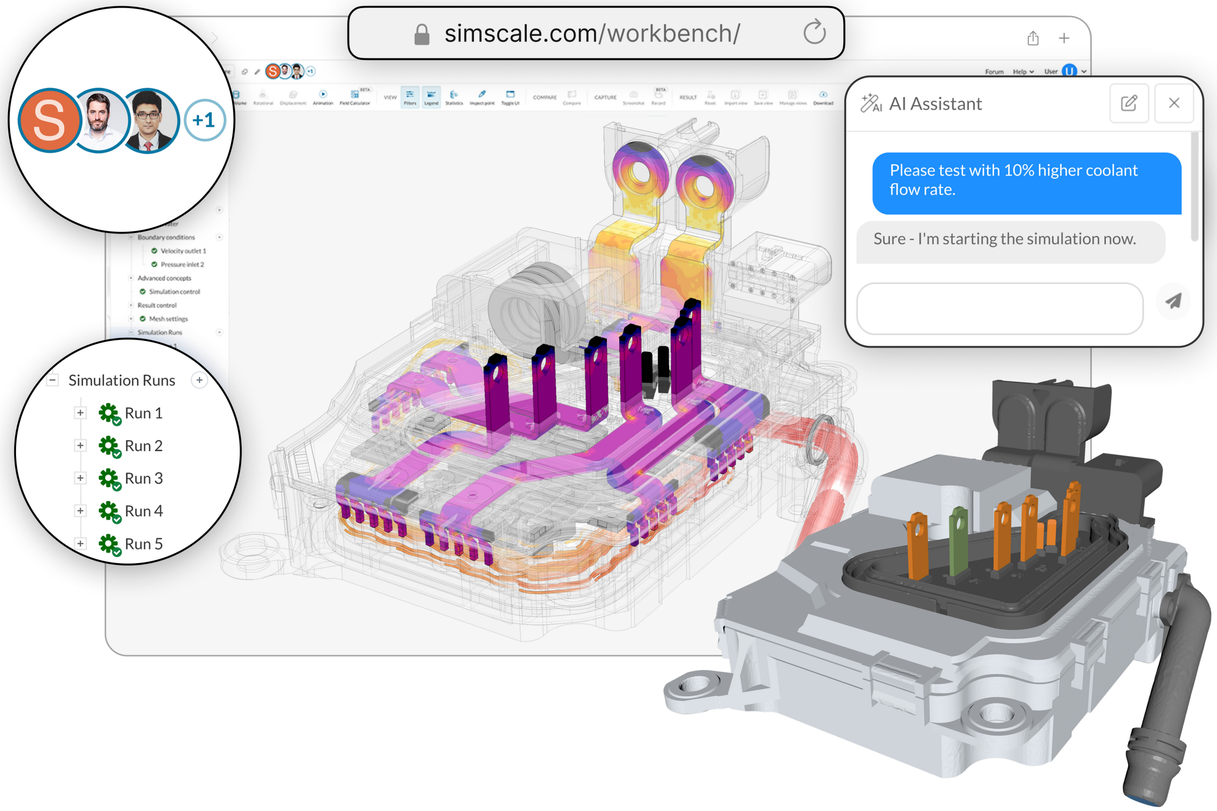


Figure 26: Role

About SimScale

SimScale is the AI-native cloud platform for engineering simulation. Trusted by more than 800,000 engineers worldwide, SimScale enables teams to design and validate products faster by combining Engineering AI with high-fidelity physics simulation — including CFD, FEA, thermal, and electromagnetics — in a single cloud-native environment. By democratizing access to advanced simulation and automating complex workflows, SimScale helps organizations operationalize Engineering AI, accelerate innovation, and engineer products that are truly irreplaceable.

Talk to a Simscale Export



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