



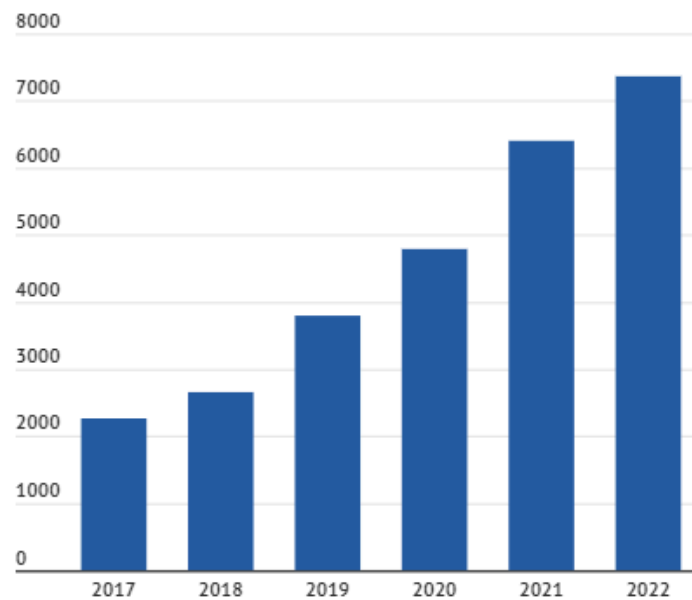
ENGINEERING INSIGHTS REPORT: 2022



Insights from EETech's Global Communities

- This year's survey was conducted in **August 2022** and resulted in **7,369** qualified respondents from around the globe
- Respondents are classified by 5 different personas: **Electrical Engineers, Control & Automation Engineers, Makers/Hobbyists, Students, and Educators**
- For the purpose of this presentation, we will be focusing on results from **2,474 EE Professionals**

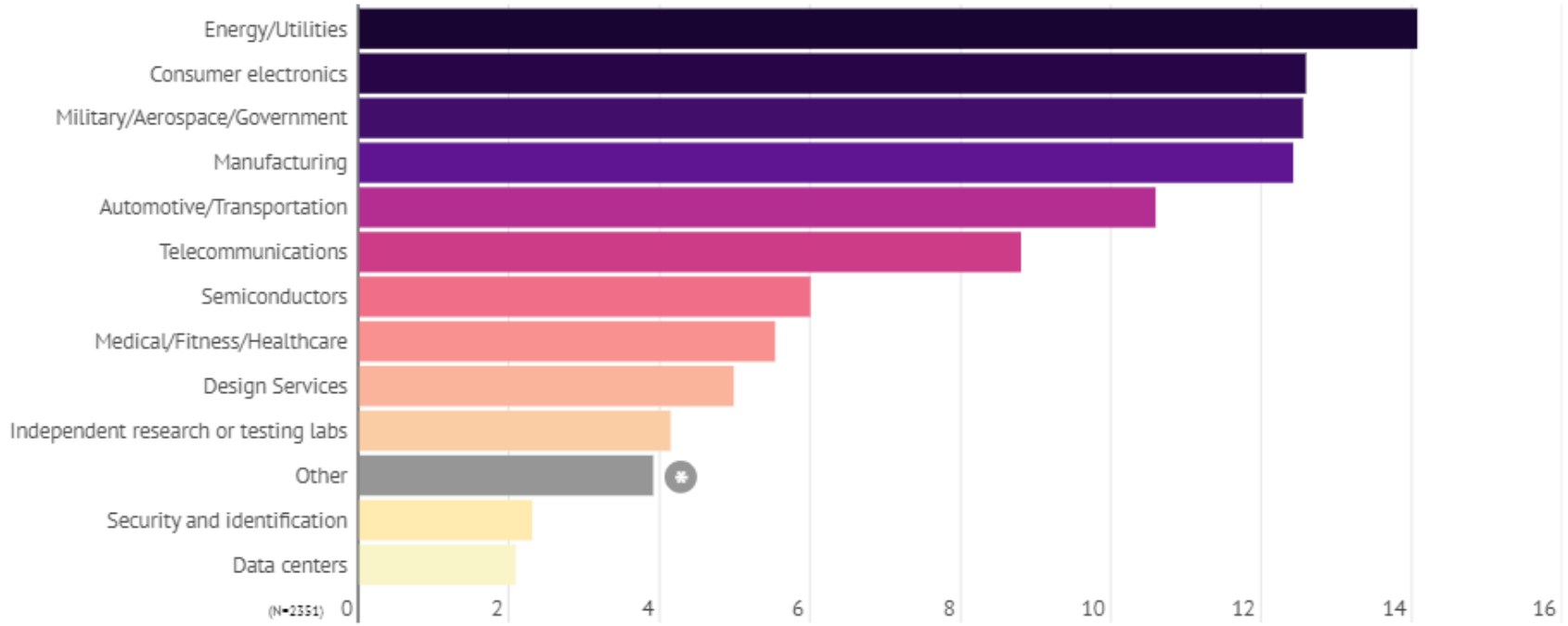
TOTAL RESPONDENTS YoY





Industry Working In

In which industry do you primarily work?



(N=2351)



Career Pro vs. Next Gen

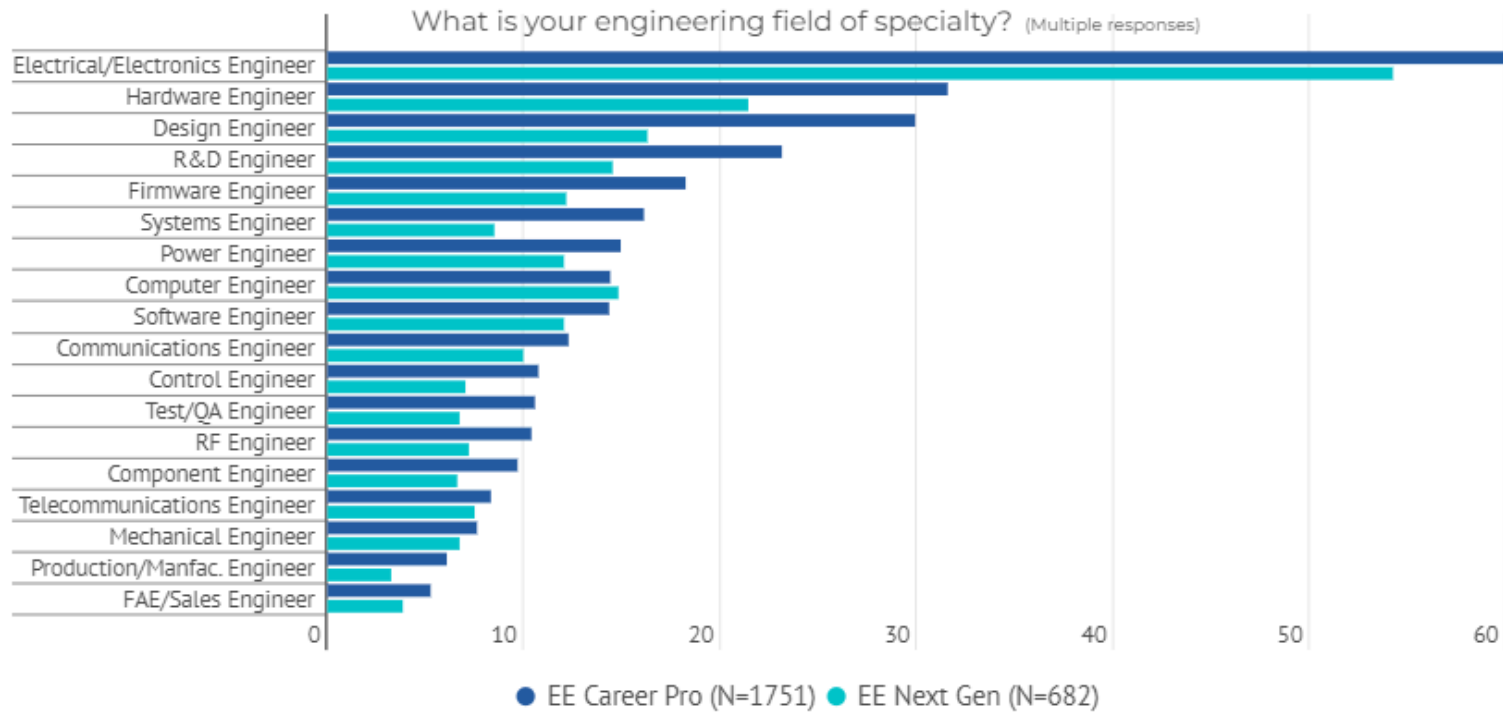
A Career Pro is a seasoned engineer with **6 or more years** of engineering experience. These engineers represent who leads in the industry today.

A Next Gen is a young engineer with **5 or fewer years** of experience. These engineers represent where the industry is going next.

| Career Pro | | Next Gen |
|------------|--|----------|
| 48 years | Average age | 26 years |
| 22 years | Mean number of years of engineering experience | 3 years |



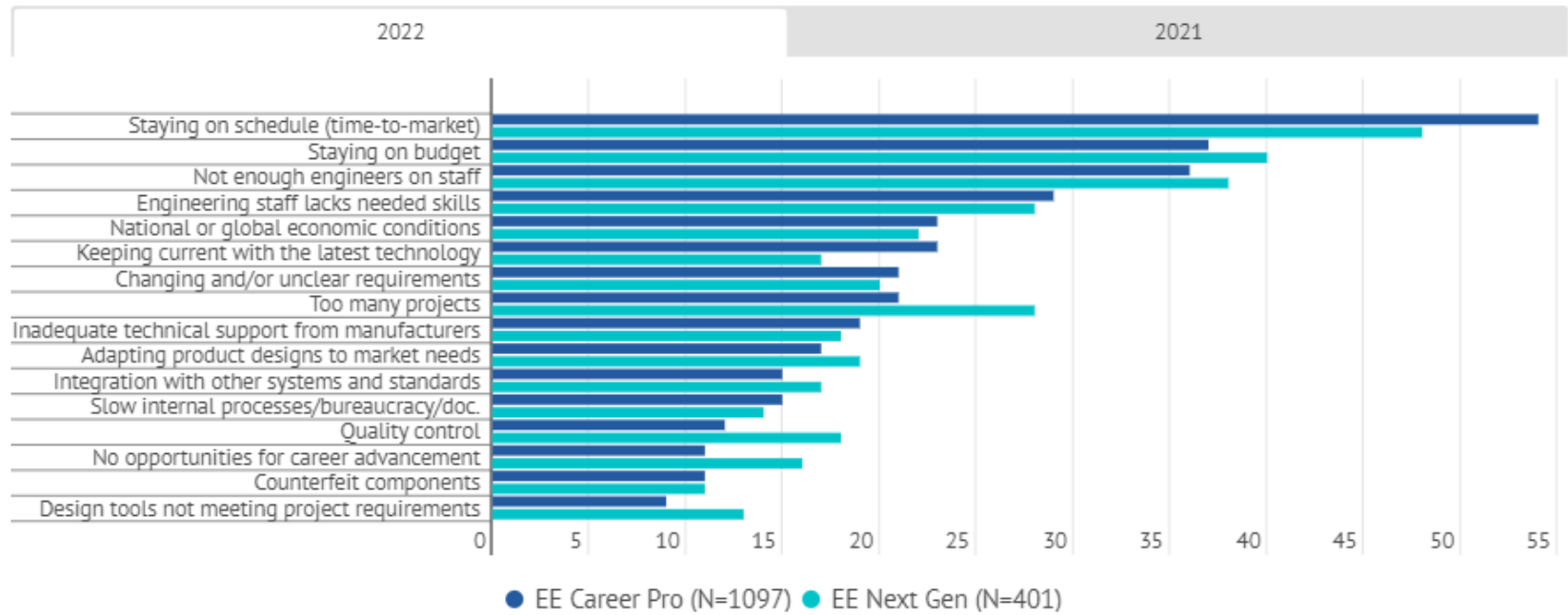
Engineering Field of Specialty





Pressing Challenges

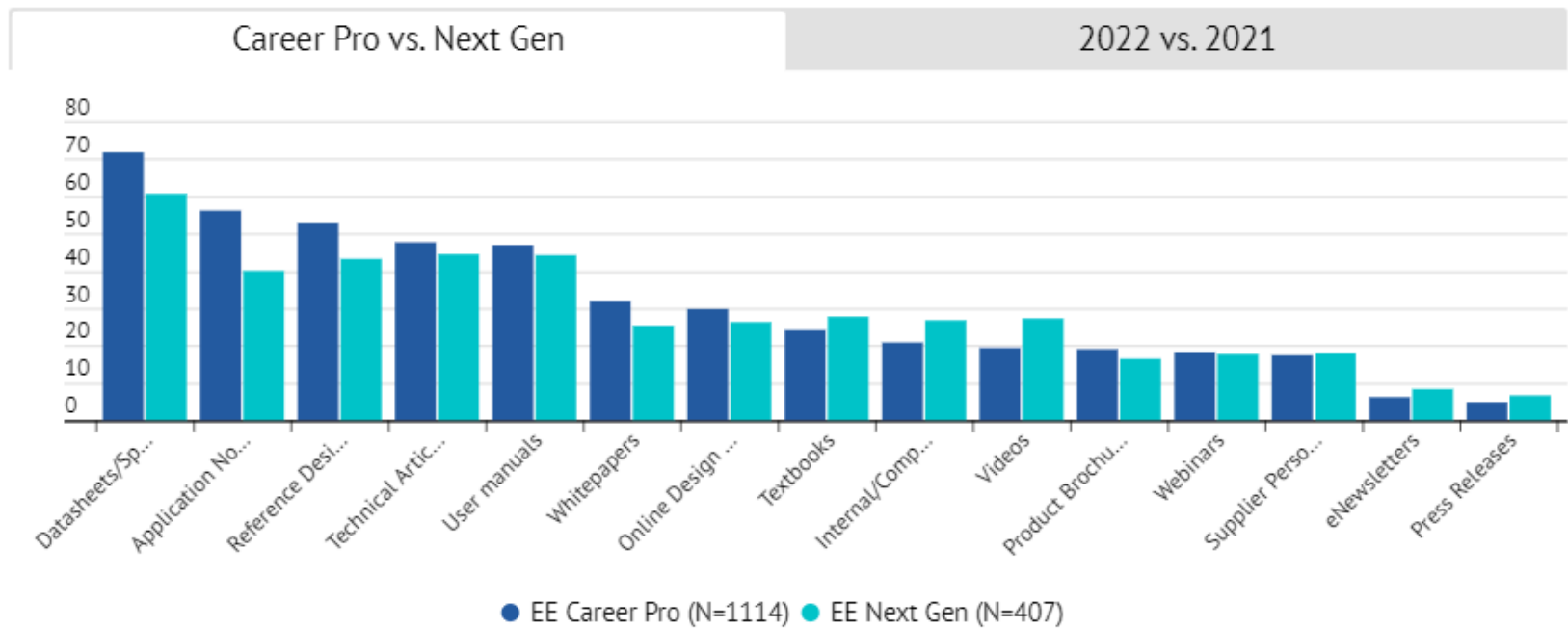
What are the most pressing challenges you face in your current work? (Multiple responses)





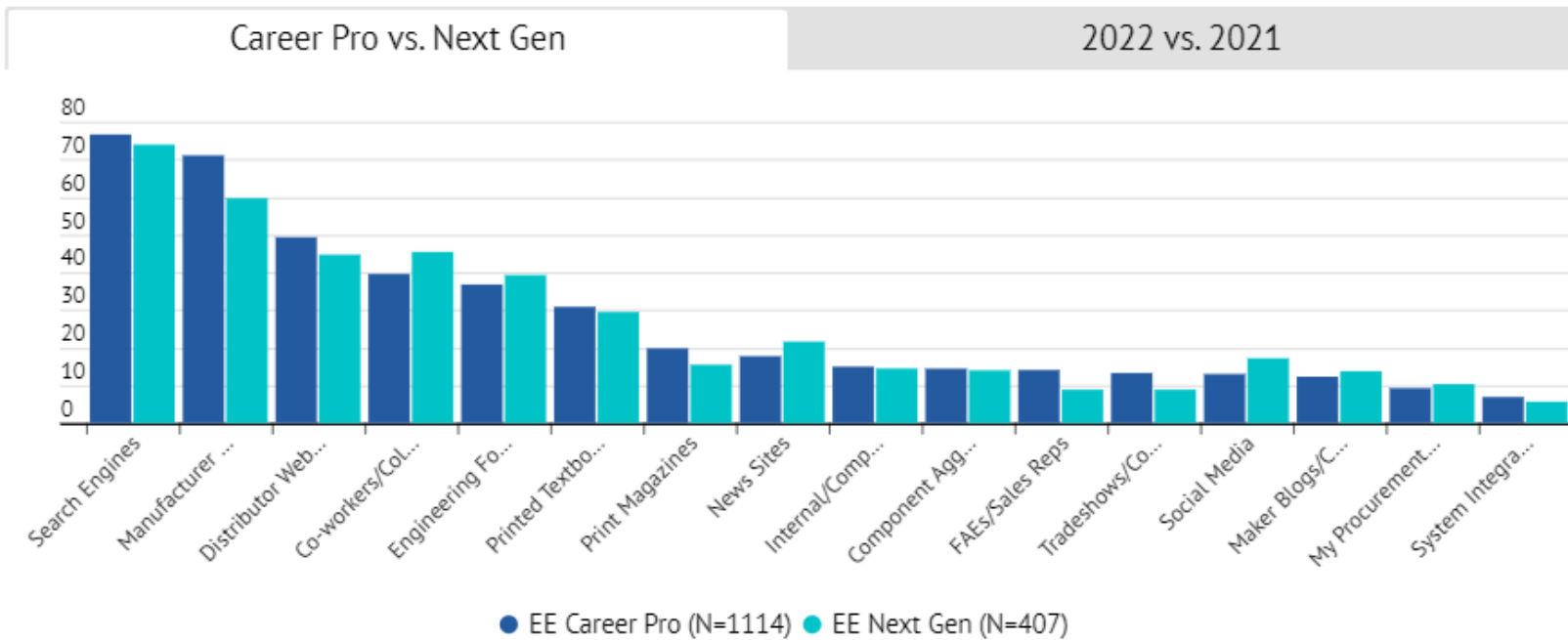
Design Information Use

Which types of information do you rely on most during the design process? (Multiple responses)



Design Information Source

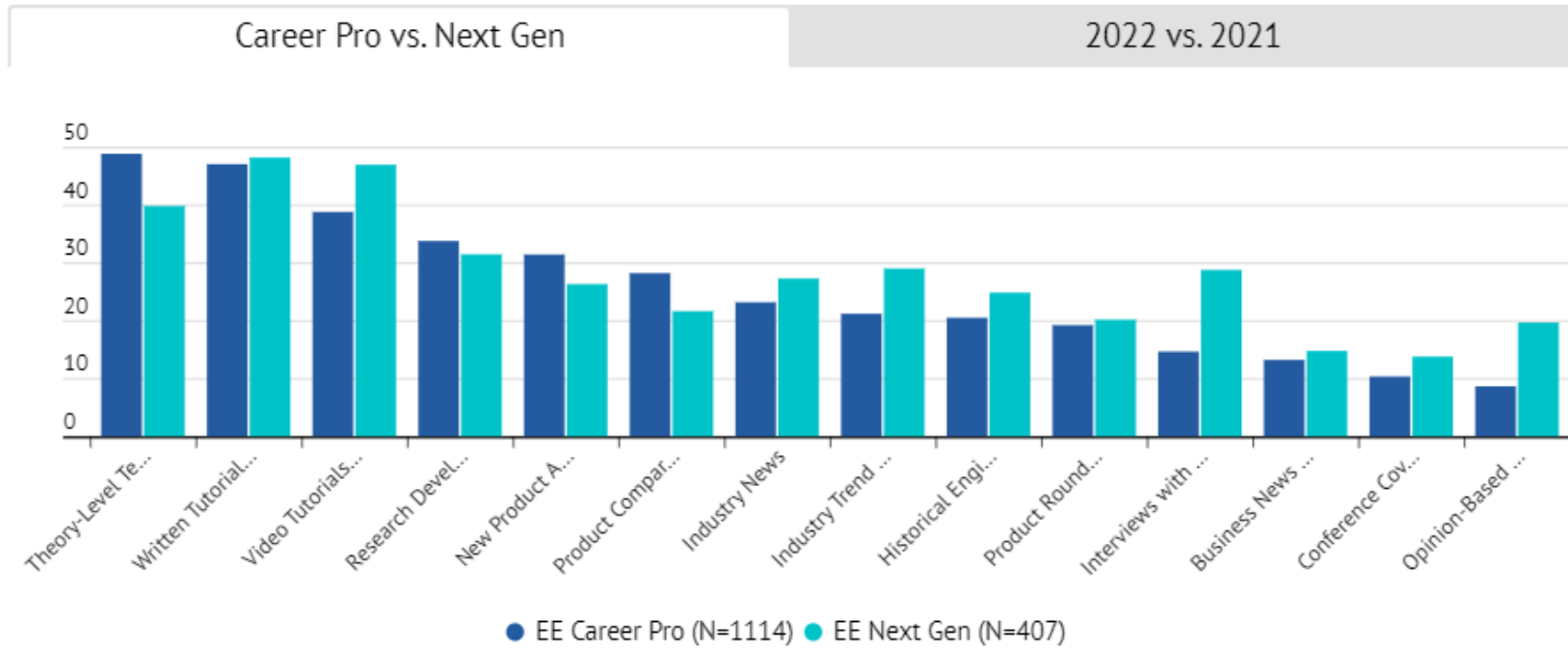
Which of the following sources of information do you utilize most during the design process? (Multiple responses)





Information: I Want More

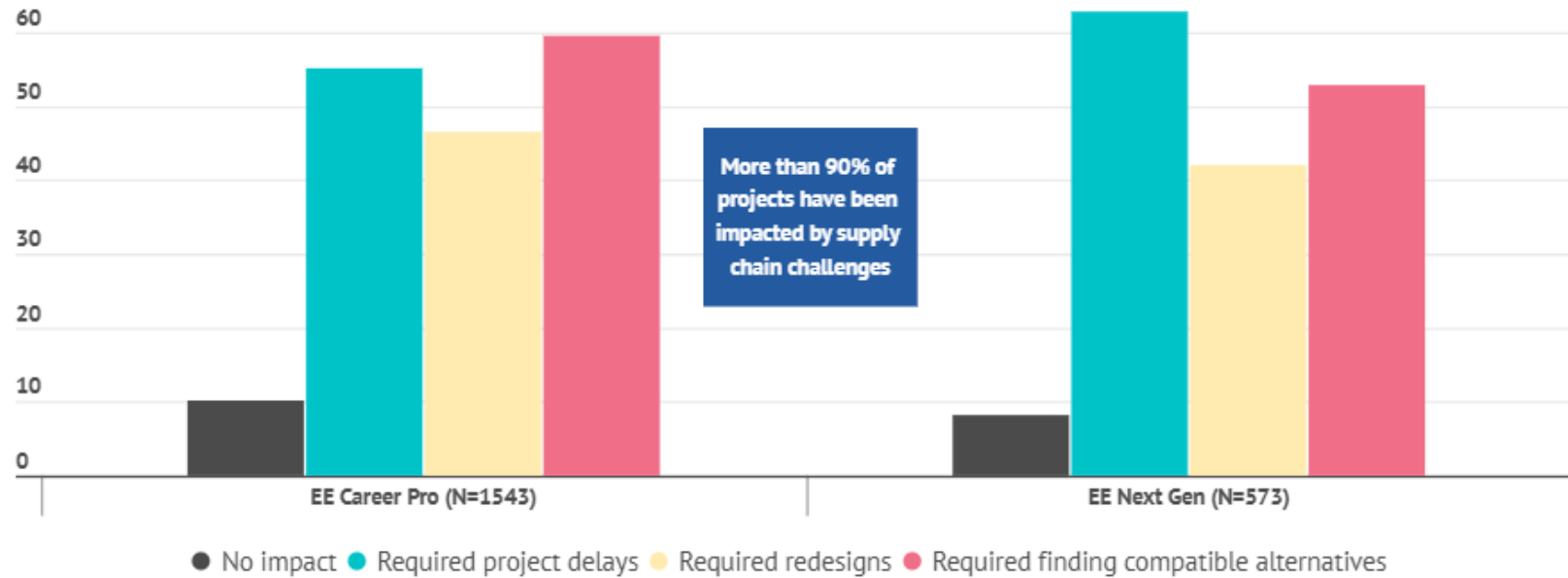
What kinds of informational content would you like to see more of? (Multiple responses)





Supply Chain Challenges

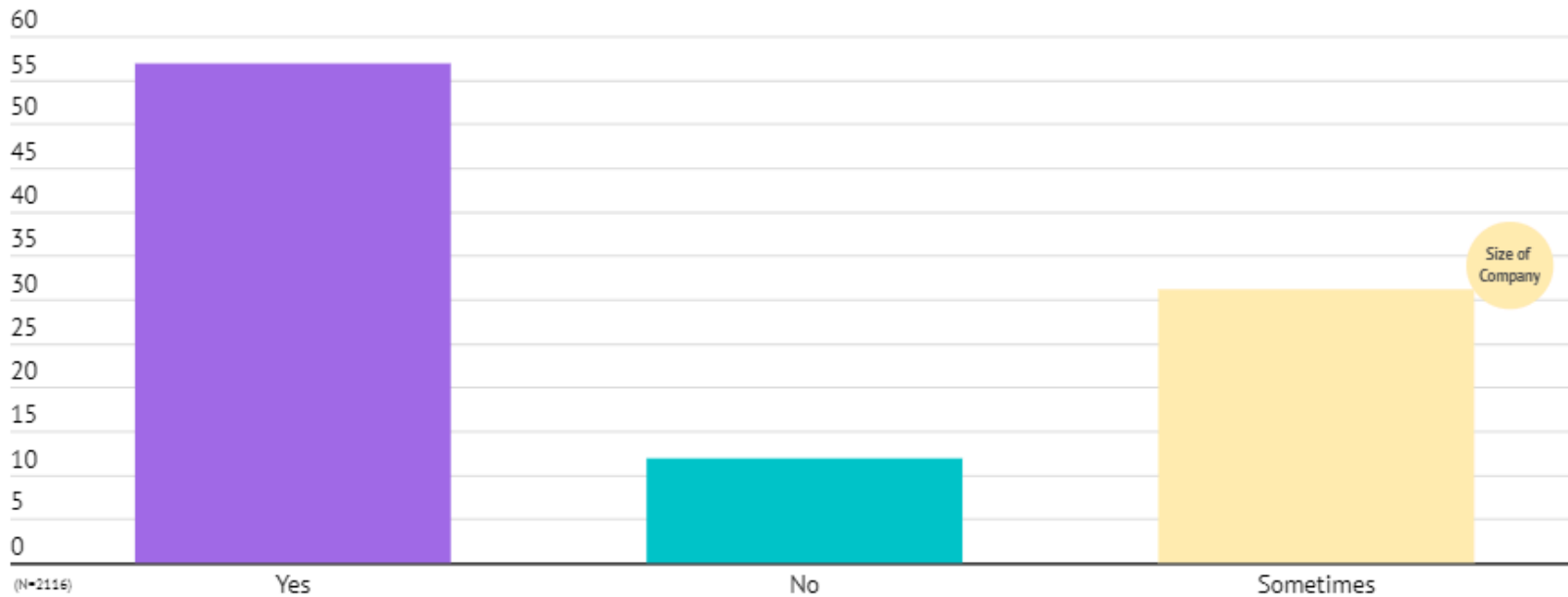
How have recent supply chain challenges affected your work? (Multiple response)





New Products: Alternative Components

When working on new projects, do your initial designs consider alternative components as a potential solution should supply chain issues arise?



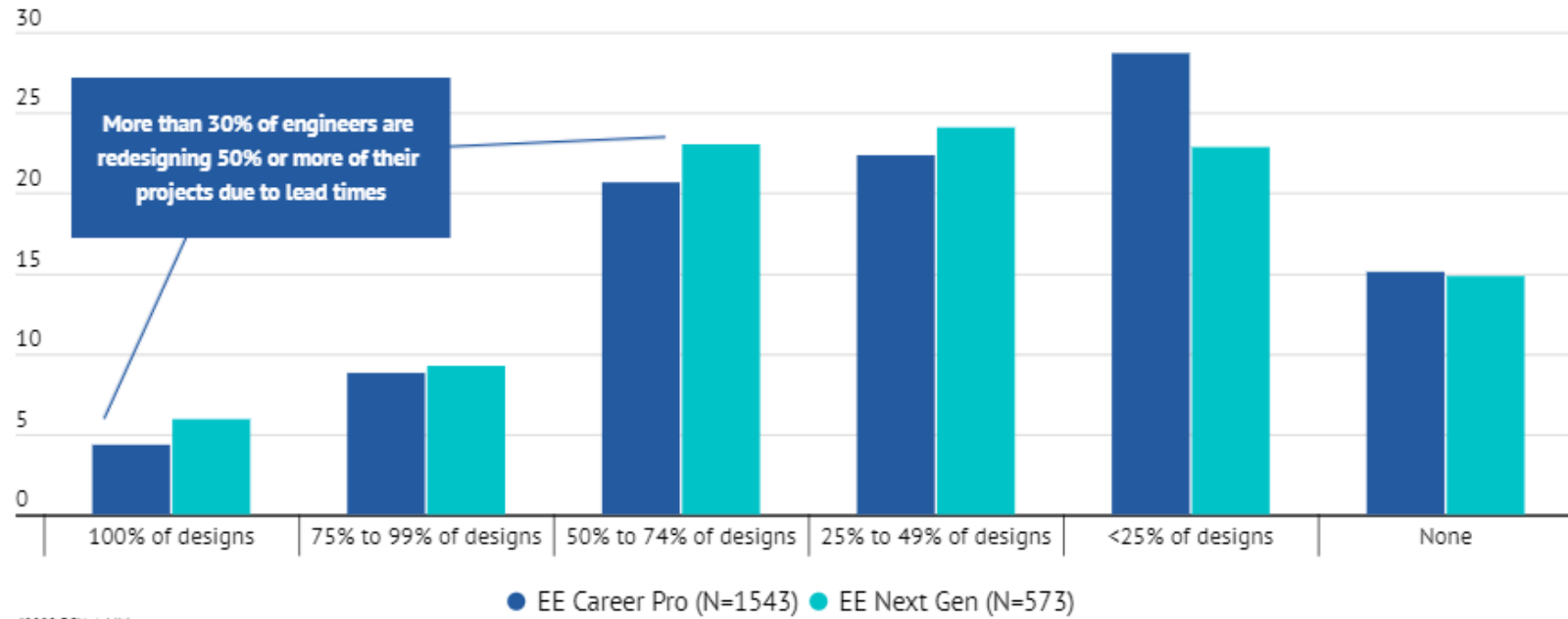
(N=2116)

*2022 ECIA Addition



Lengthy Lead Times = Redesigns

Approximately how many of your designs required redesigns due to lengthy lead times for components?

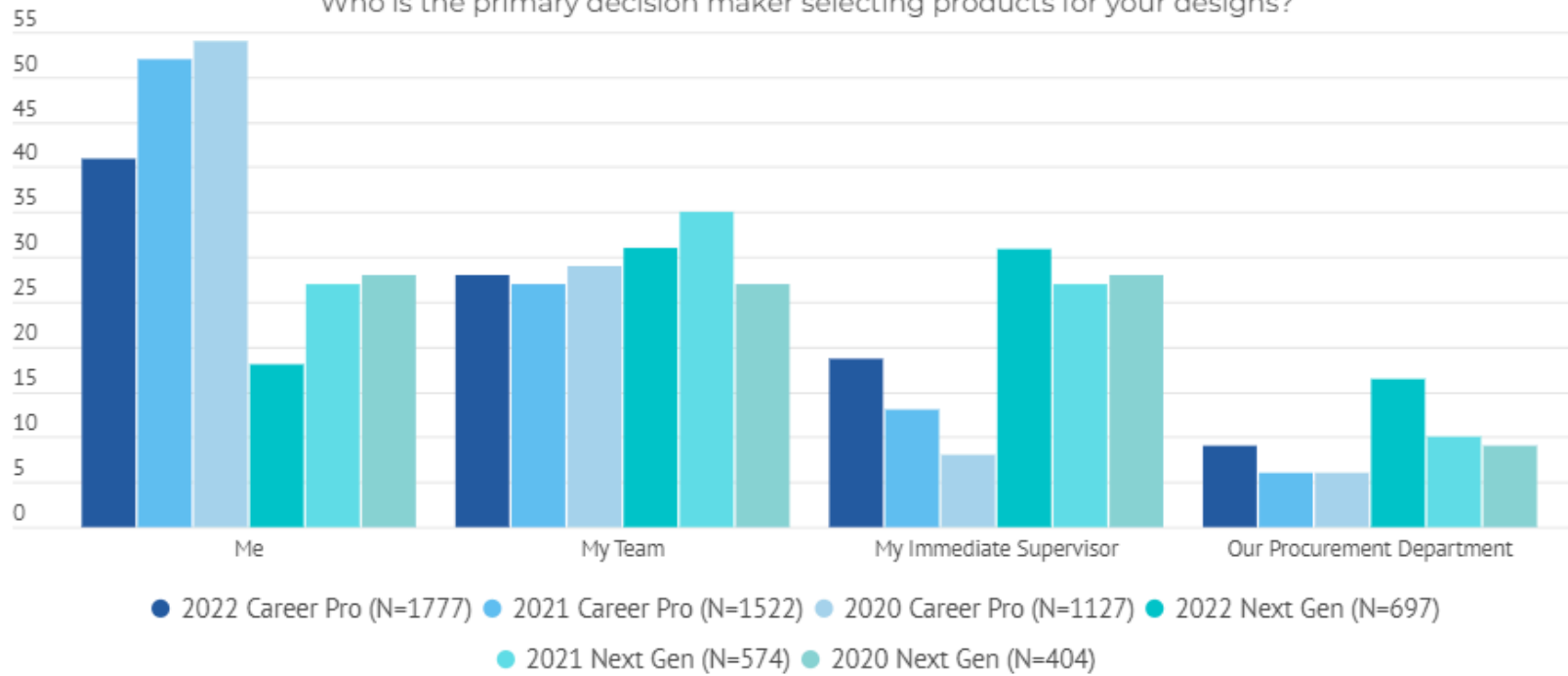


*2022 ECIA Addition



Decision Makers

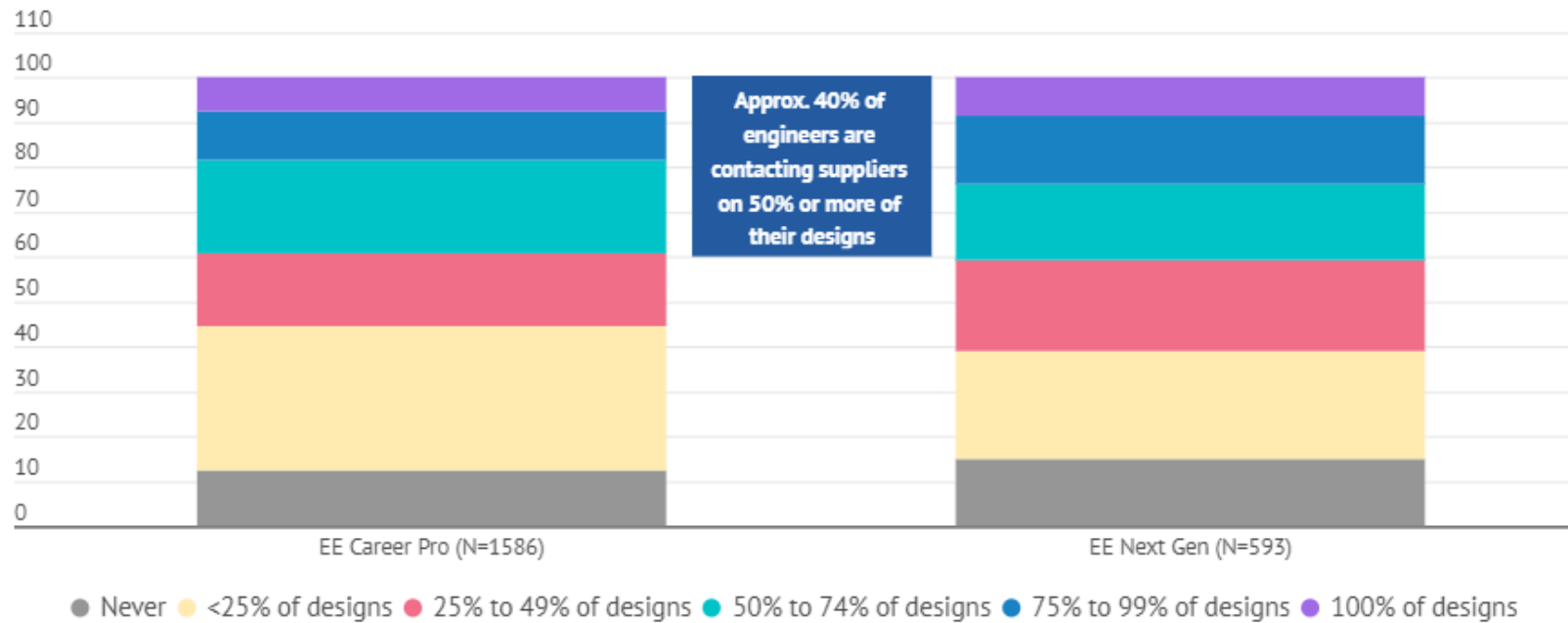
Who is the primary decision maker selecting products for your designs?





Design Assistance

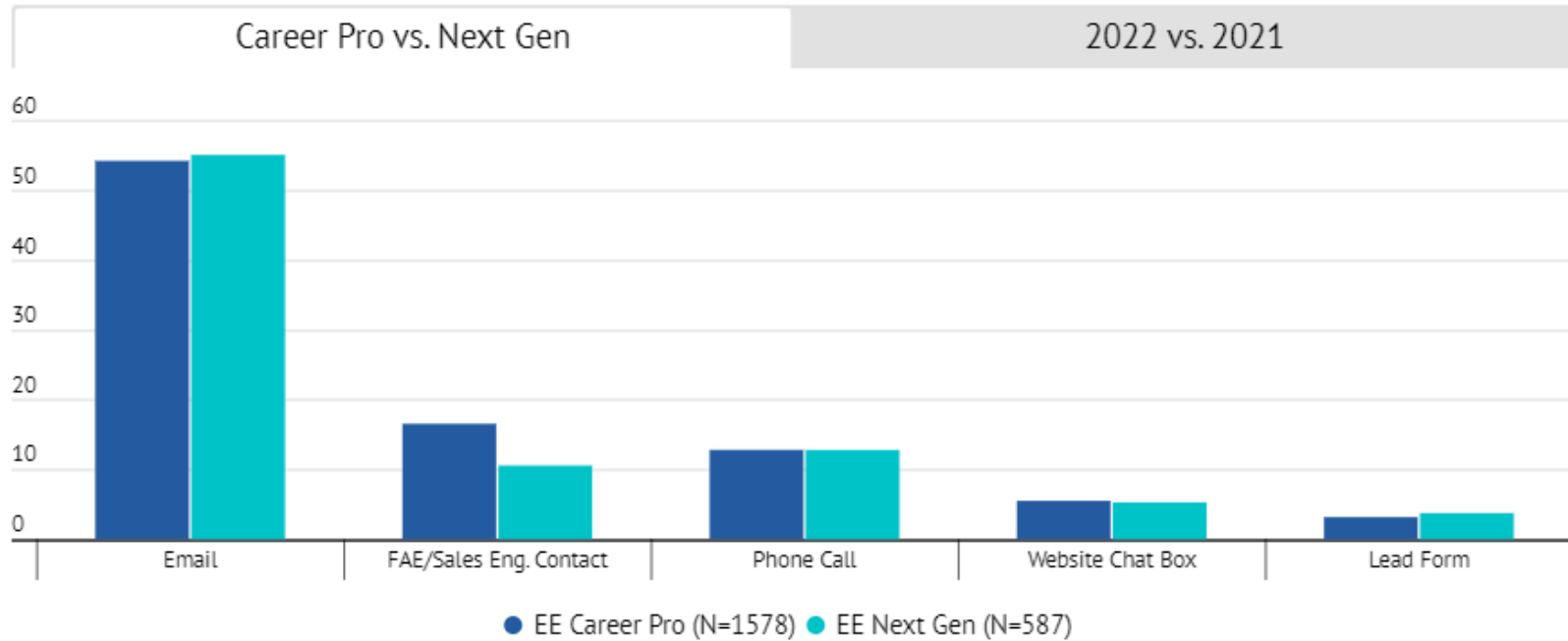
Approximately on how many of your designs/developments are you likely to contact a supplier for assistance?





Design Assistance Contact

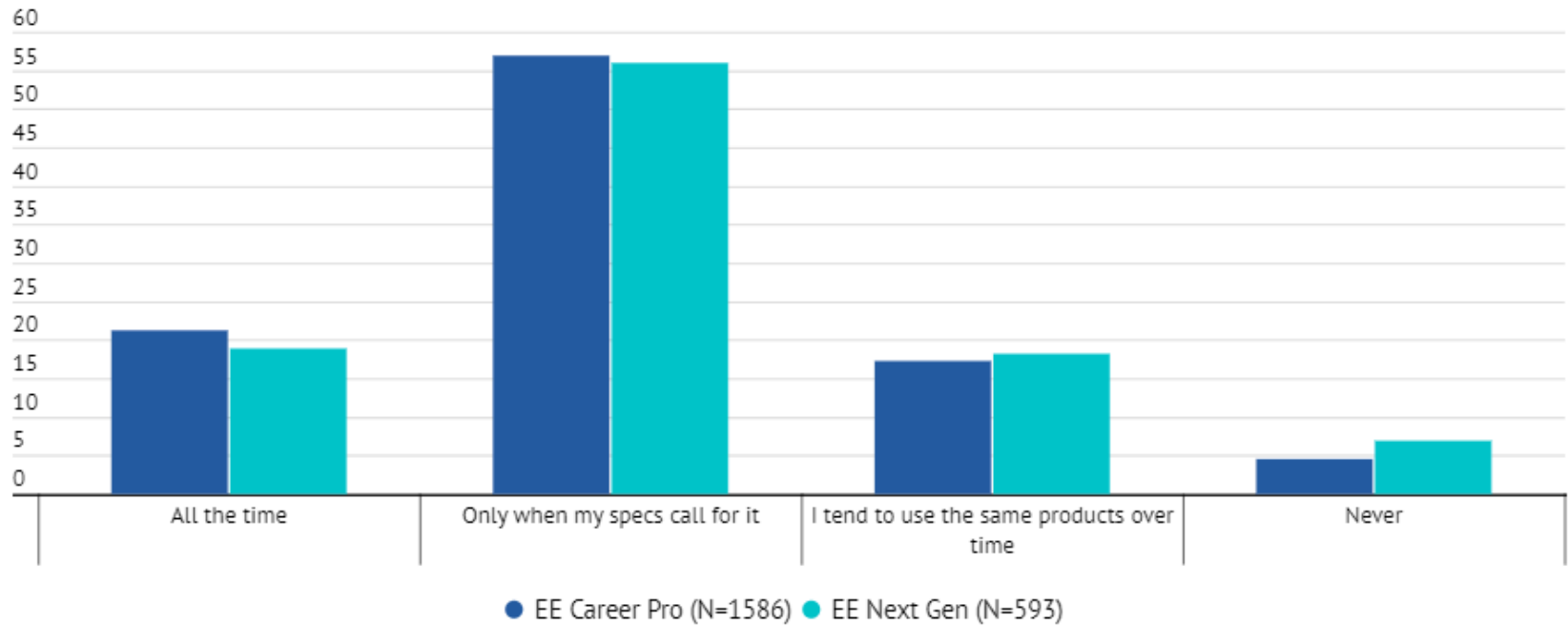
What is your preferred method of contacting suppliers for assistance?





New Product Use

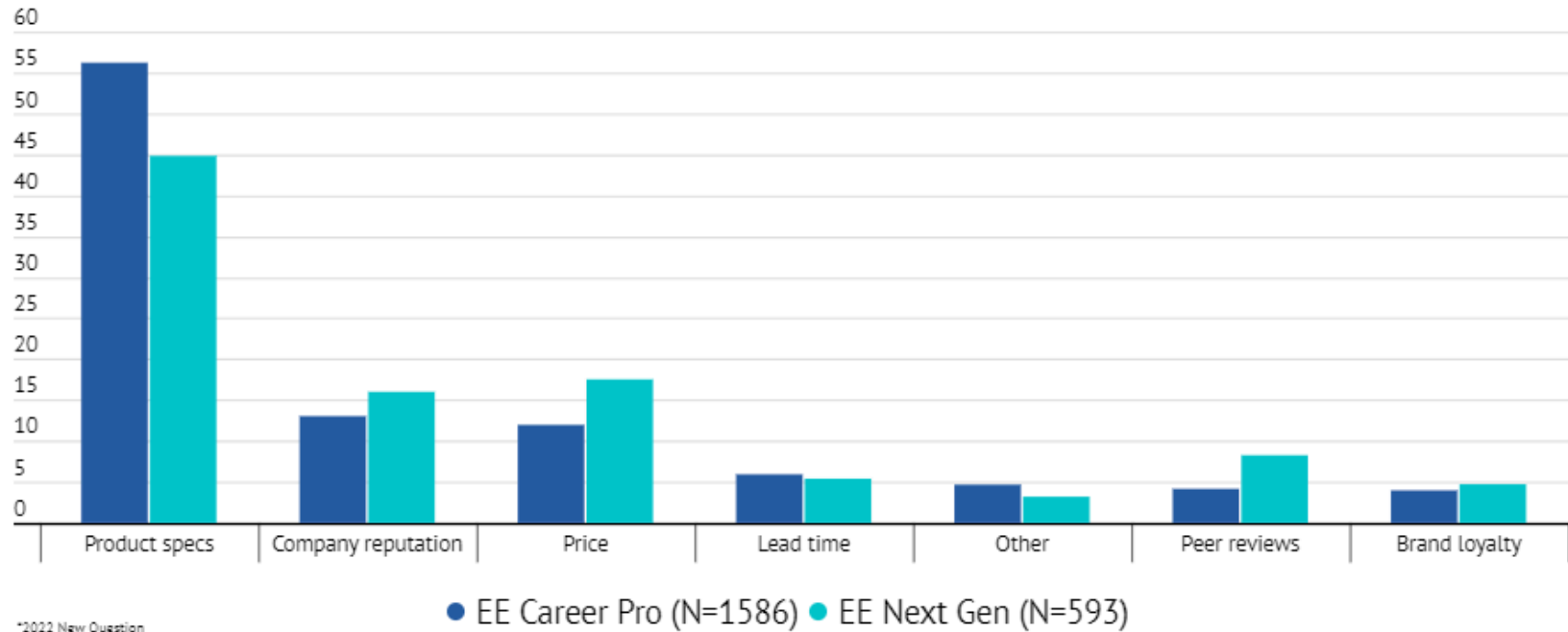
How often do you use a new component on the market that you have never used before?





New Product Factors

What was the primary deciding factor in choosing the new component?

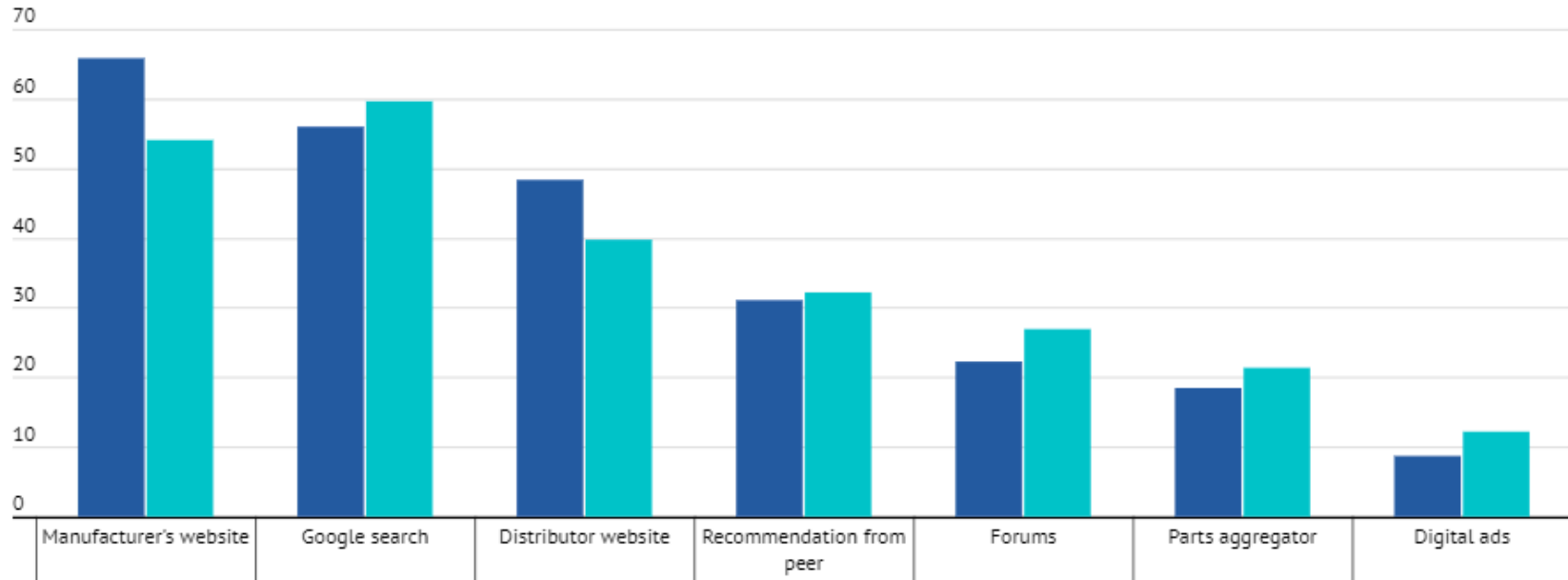


*2022 New Question



Sourcing New Components

When researching new components for designs, how do you source the new components? (Multiple responses)



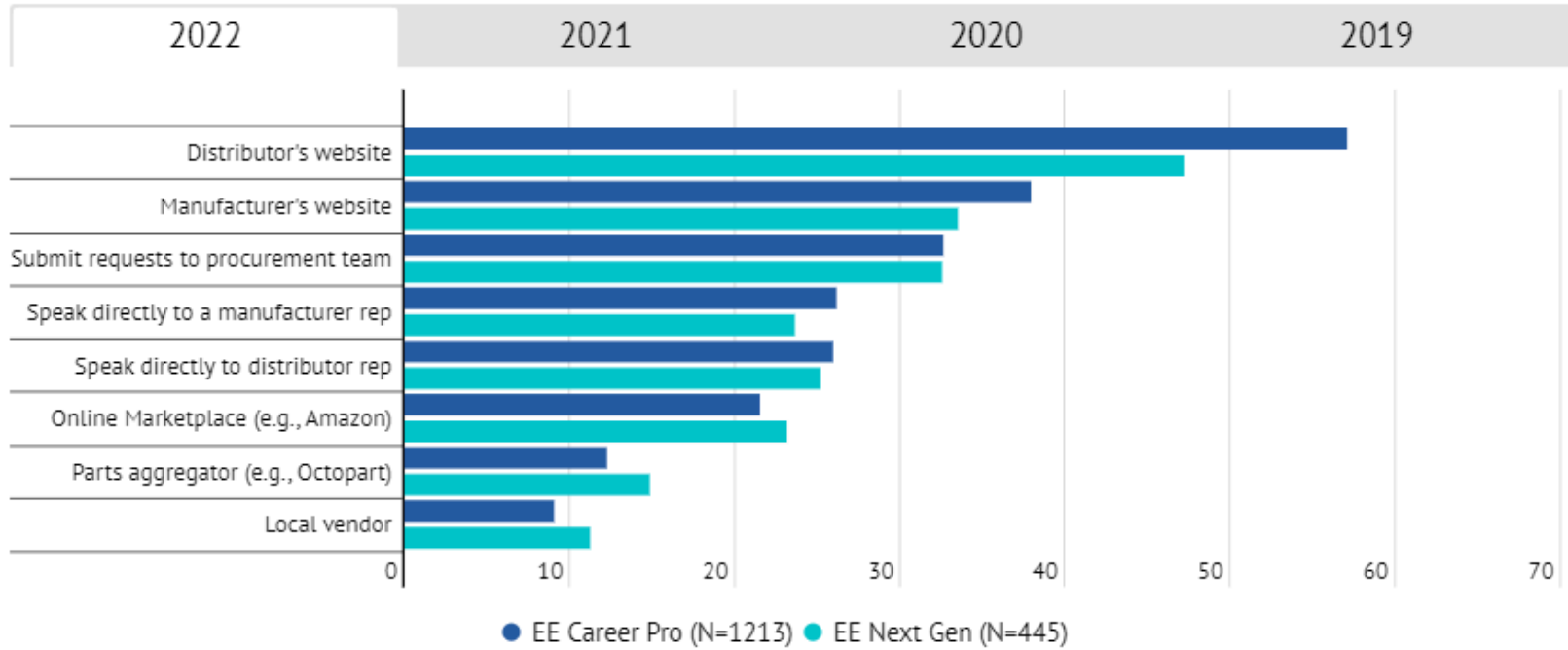
*2022 New Question

● EE Career Pro (N=1586) ● EE Next Gen (N=593)



Where do you buy?

What are your preferred methods for purchasing parts? (Multiple responses)





Distributor Selection Criteria

What is the most important thing you look for in a distributor?

