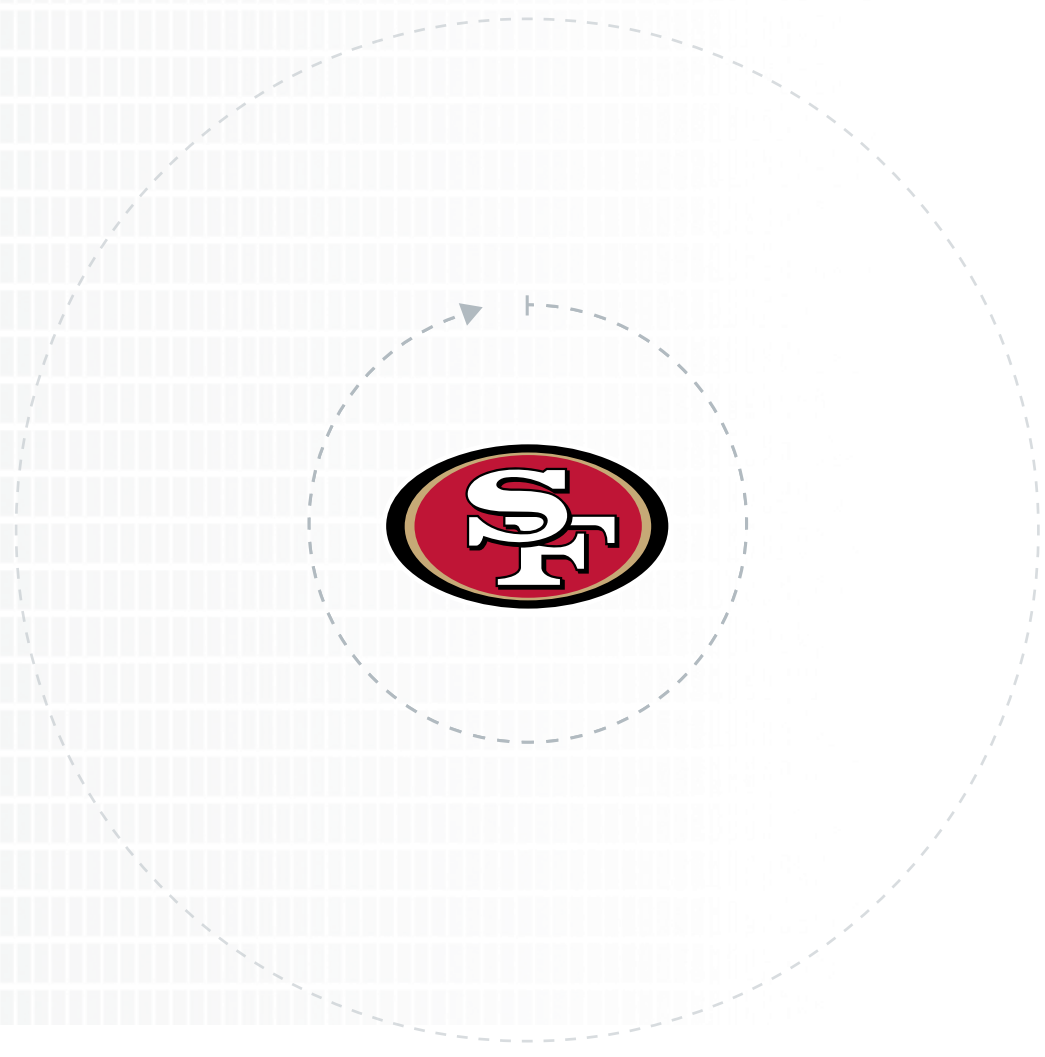




# THE ENGINEERING DESIGN PROCESS

The **Engineering Design Process** (EDP) is a step-by-step method which helps us create something new or improve on existing ideas. Together, engineering and design helped create all of the wonderful technology we have today. Depending on the problem that needs to be solved, you might not always start at step one and that's ok! These steps are arranged in a circle because creating is a continuous process that can be repeated to improve a design or until you get your desired result. Failure is also an important part of the process. Failure allows us to learn what pitfalls to avoid and gives us experience to grow from. Engineers learn from mistakes by going back and rethinking decisions made during previous steps or starting a completely different process altogether. Explore the steps below to see how each step can help you, then see if you can answer the questions on this page.



- 1 Why do you think the steps are arranged in circle and not in a line? \_\_\_\_\_
- 2 What is the difference between criteria and constraints? \_\_\_\_\_
- 3 When do you know a design or an idea is complete? \_\_\_\_\_