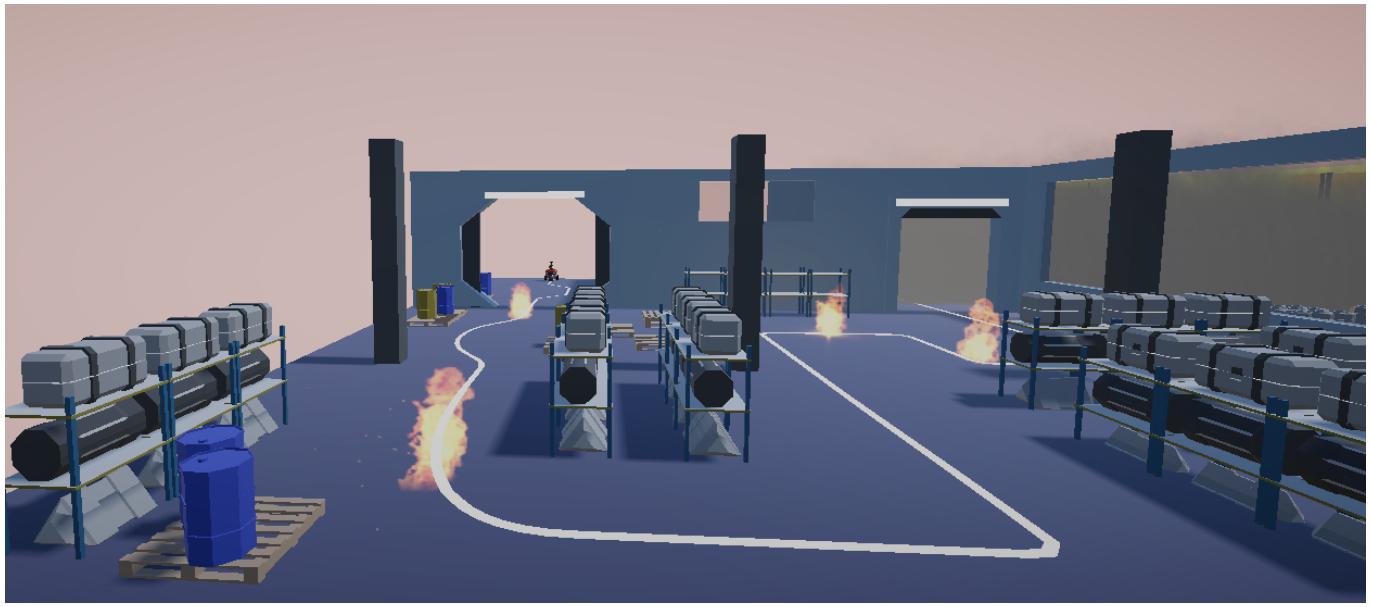


i1: Define the Problem

Oh no! Although we now have a robot that is able to navigate to the final fire, there are now multiple smaller fires popping up in our robot's path! Try and answer the questions below to start thinking about our new situation. Write a one to two sentence answer in your learning journal under the second Define section.

- 1. Do we need to put out these fires along the way or can we just ignore them? Explain why or why not.**



In the previous situation, we only had to navigate to the final fire as our robot would then automatically put the fire out. In this new situation, we are going to need to program our robot to manually detect and put out these fires. Luckily, these fires are all along our line.

- 2. How could our robot detect where each of the fires are?**
- 3. What should our robot do differently than its previous programming when it finds one of these fires?**

