

# Titi Oliyide

Senior Process Safety Engineer

30-60  
minutes

image source

## Starters



5-10  
mins

**Meet Titi Oliyide—a senior process safety engineer at Supercritical Solutions, who ensures the safety of the process of making hydrogen energy.** She loves her job and wants more people to become engineers to help improve lives with their creativity and skills. Titi believes engineers create things we use daily, making life better for everyone.

Read this **Q&A with Titi**. What aspects of Titi's job as a safety engineer interest you, and why do you think safety is essential in engineering?

## Question & Answer – Summary



Titi Oliyide is a safety engineer working on amazing projects like the Elizabeth Line in London and green hydrogen technology. From a young age, she was curious about how things worked—she even loved how cooking turned raw ingredients into tasty meals! Encouraged by her family and inspired by a chat with her sister's friend, she studied chemical engineering. She earned her degrees in Nigeria and the UK, plus a professional title as a chartered engineer. Her favourite thing about engineering? Turning ideas into real-life solutions that help people. Like riding the Elizabeth Line, knowing she helped make commuting faster and better for thousands of people.

## Creativity is a Superpower!

- 1 Titi believes that engineering isn't just about science—it also uses creativity and people skills.**

How do you think creativity helps in engineering? What examples can you think of where working well with others and being creative might be important?

- 2 Titi won the 2023 IET Young Woman Engineer of the Year Award.**

What kind of award would you like to win in the future?



**Your next adventure starts here!** Meet inspiring role models like Titi at a [Stemettes Event](#).

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## Main Course



20 mins 1 activity  
40 mins 2 activities

### Make

**Think about a problem Titi might face in engineering.** Write a short adventure story where she uses her skills to solve problems or create something amazing. Share your story with the unit. Describe the situation, Titi's solution, and why her skills were important. Discuss how Titi's story inspires you and what you learned about creativity and problem-solving in engineering.

#### Ingredients:

- Paper & pen
- Internet access



## Dessert



5 mins

### Show and Tell

Spread the fun and excitement by sharing the challenges you've been exploring with your friends and family.

### Explore

**We will explore safety solutions in engineering, focusing on hydrogen energy production, drawing inspiration from Titi's work in safety engineering.** First, identify a situation where safety is crucial, such as in energy production or transportation. Then, propose a safety solution that enhances safety, considering the materials, tools, or steps involved. Explain how your solution addresses safety concerns. Finally, present your idea to the unit, outlining the situation, the problem, and how your solution ensures safety.

#### Ingredients:

- Paper & pen

SAFETY  
FIRST

### Share

We would love to see how you're doing with the challenges. Remember to tag us on social media and use the hashtag **#GGSWExStemettes**