



Andy Patterson

CEng IMechE



What is your job title?

Head of Concept Engineering

Who do you work for?

National Composites
Centre



What do you do?

“I help to solve some of the worlds biggest challenges by demonstrating how we can design and manufacture products using new materials. The research areas I focus on include the circular economy, how we can make use of hydrogen, how we can make things more lightweight, how we can generate more renewable power, and how to electrify transport.”

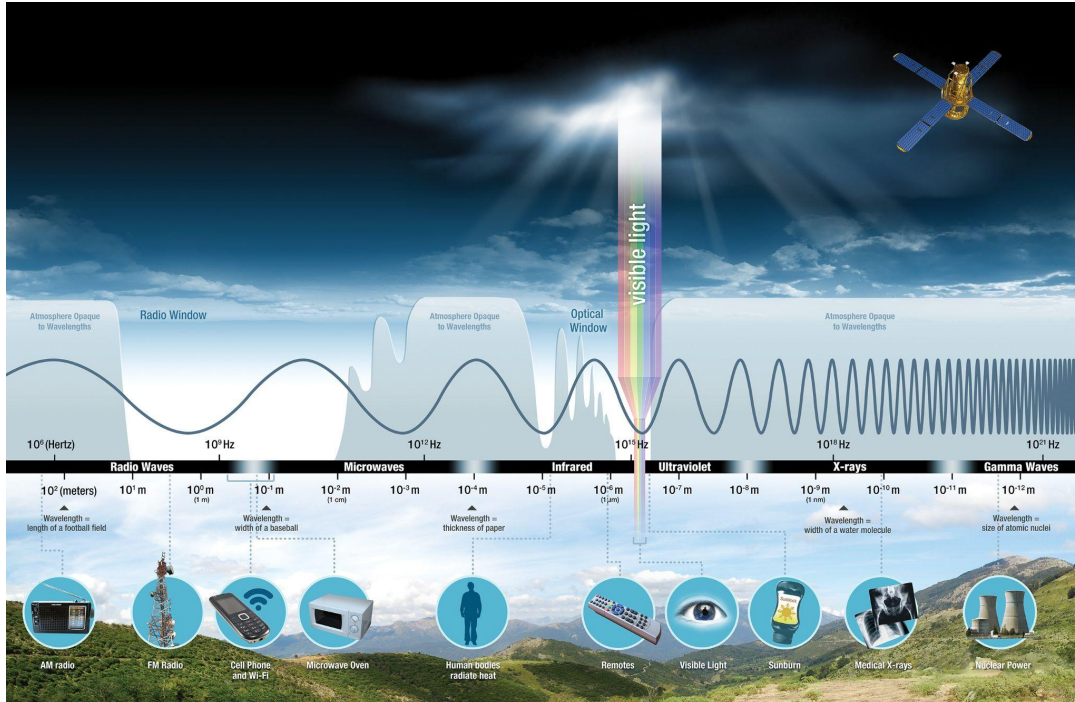
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“I want to be sure that my children grow up in a world of equal opportunities, surrounded by a balanced and healthy environment & ecosystems.”



What can you recall learning at school which helps you with your job now?



Source: https://science.nasa.gov/ems/01_intro

“Physics was the subject that inspired me and helps me most in my job now.

I am fascinated by the way we can use physics to describe the world and the universe around us, and use that information to improve lives.”



Which aspects of your work do you find most satisfying?

“When we’re faced with what seems like an impossible challenge, to gather a team of passionate individuals to investigate the art of the possible and come up with a solution”



Watch Andy and his team develop new equipment for paralympians:

<https://youtu.be/IuNX0wl0nSM>

(12 min)



“It gives me confidence that science, technology and critical thinking can be applied to solve the worlds resource and environmental challenges.”



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