

The Sustainable Engineering Challenge

Engineers take ideas and turn them into reality, using science, maths, and imagination. Engineers use their problem-solving skills to improve the world around us. Engineers are important for sustainable development.

Take the Sustainable Engineering Challenge to learn more!

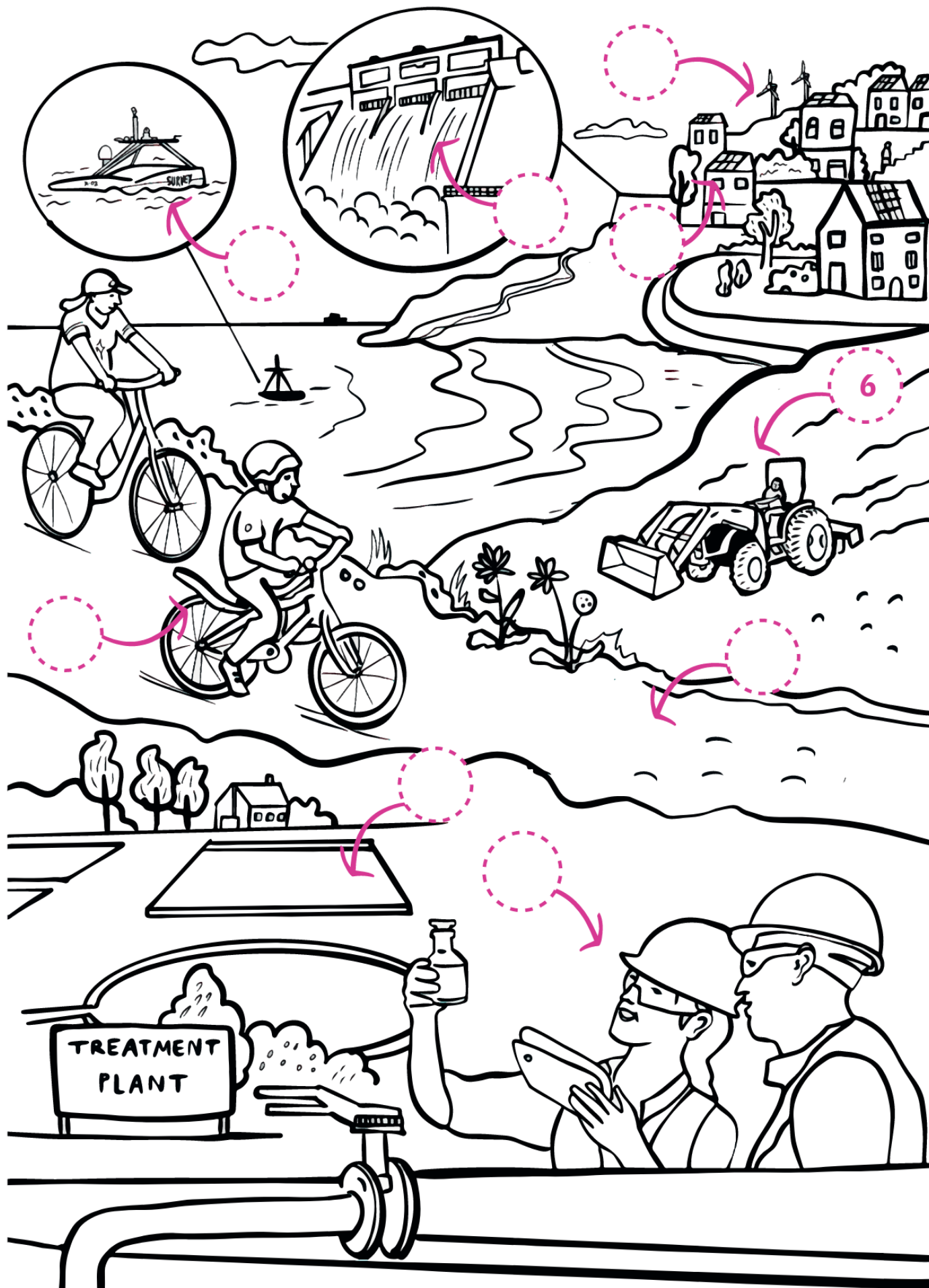
Have you heard about the UN Sustainable Development Goals (UN SDGs)? These goals are the blueprint to achieve a better and more sustainable future for all. They address the global challenges we face, including poverty, inequality, climate change, environmental degradation, peace and justice. Engineers are key to help achieve many of the UN SDGs, and this challenge will highlight how this is happening now for a number of these goals.

Take the Sustainable Engineering Challenge and match the ways engineers are helping achieve the UN SDGS with the images in the picture on the next sheet. Write the corresponding number (or numbers) in the circles on the picture. The first one is done for you.

1	TRANSPORT AND MOBILITY	Engineers design more sustainable ways of helping us move around, such as more space for us to walk and cycle safely. This reduces emissions and makes our roads safer.
2	CLEAN ENERGY	Engineers design ways to source renewable energy such as hydropower (dams), wind (wind turbines) and solar (solar panels). This helps us use less fossil fuels.
3	CLEAN WATER AND SANITATION	Engineers design ways to clean our water, such as a wastewater treatment plant. This helps us to keep our waters clean, such as the water at our beaches as clean as possible.
4	SUSTAINABLE CITIES AND COMMUNITIES	Engineers can use natural materials like timber, and include more green spaces such as parks and trees in communities
5	LIFE BELOW WATER	Engineers are tracking the amount of plastic waste in our oceans, and how that is going to hurt our marine life. They create ways to stop plastic from entering our waterways in the first place.
6	LIFE ON LAND	Engineers and agricultural engineers help make new and more sustainable machinery, and also new ways to protect our soil and crops, reduce greenhouse gasses and more.

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