

# INDUSTRY, INNOVATION AND INFRASTRUCTURE

*Sustainable Development Goal 9*



**TOOLS FOR T**  
Tools for becoming a T-Shaped professional



**9** INDUSTRY, INNOVATION  
AND INFRASTRUCTURE



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## Lessoncard Guide:



### Lesson Overview:

In this overview you can find everything that you need and/or have in your packet to teach about the ninth Sustainable Development Goal (SDG): Industry, innovation and infrastructure.



### Learning Objectives:

- What industry and innovation relies on
- What industry and innovation does for the world when it works well
- What happens when the infrastructure is damaged
- What happens when people invest in good infrastructure



### Key Objective:

Getting the students into motion so they think about the Sustainable Development Goal and how they can improve themselves to make a contribution to it.



### What to find in this lesson card:

- Informational video's
- Questionnaires
- Interesting facts
- An immersive VR experience

# Advancing Innovation and Infrastructure for Sustainable Development

The ninth Sustainable Development Goal (SDG 9) centers on constructing sturdy infrastructure, advancing inclusive and sustainable industrialization, and encouraging innovation. This goal acknowledges the vital role of infrastructure and innovation in spurring economic growth, generating employment opportunities, and supporting sustainable development.

SDG 9 strives to guarantee that all communities have access to dependable and sustainable infrastructure, fostering progress in technology and industry while prioritizing environmental conservation. By tackling these critical areas, SDG 9 aims to cultivate a more inclusive, resilient, and technologically adept global society.



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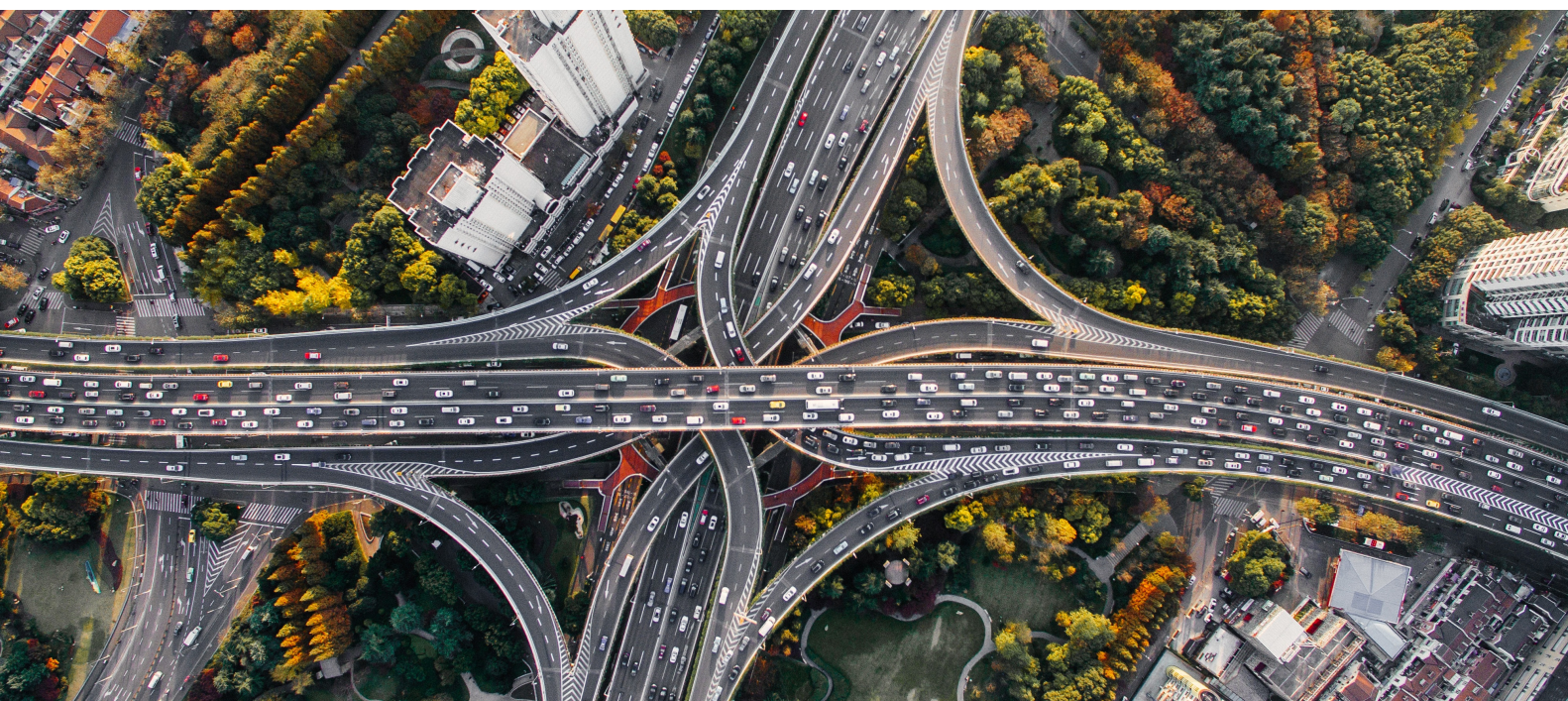






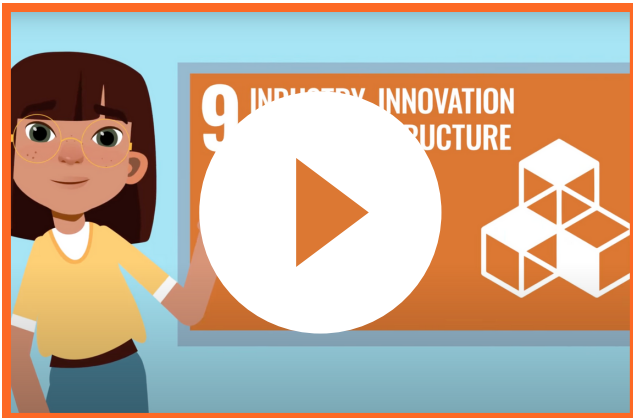
# Questions

- How does reliable and well-maintained infrastructure contribute to the success of entrepreneurs and industries, both locally and globally?
- What challenges do communities face when their infrastructure is damaged during natural disasters, and how does this impact economic and industrial activities?
- Can you provide examples from the video that showcase the transformative power of infrastructure investment in regions such as Sichuan and India?
- How does improved infrastructure, particularly in the form of enhanced Internet connectivity, contribute to innovation and economic development, as demonstrated in Kenya and India?

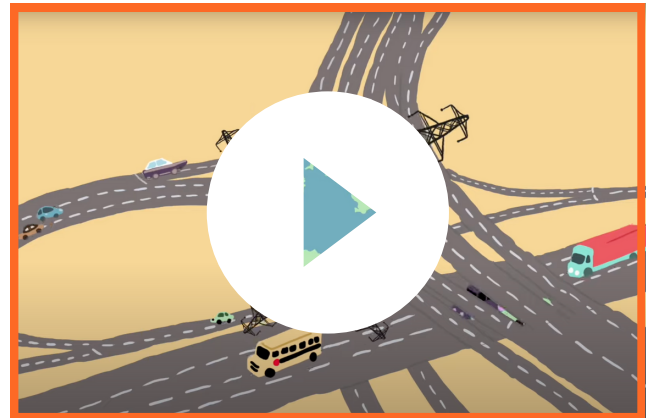




## For more information...



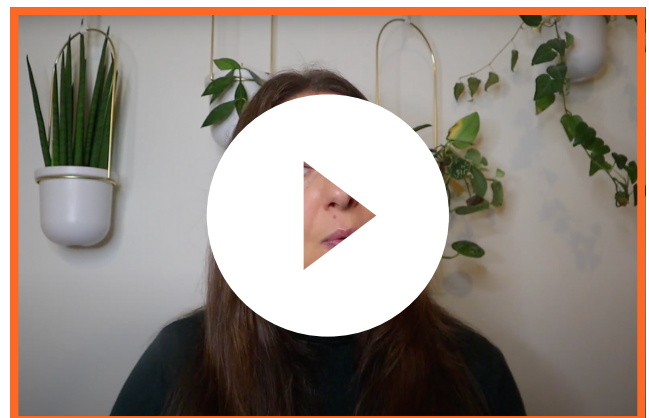
Source: Industry, Innovation and Infrastructure  
SDG 9 Sustainable Development Goals for Kids  
<https://www.youtube.com/watch?v=J57rRoIByqY>



Source: Understand Goal 9: Industry, Innovation, and Infrastructure (Primary)  
<https://www.youtube.com/watch?v=NFgqm7kbvsY>



Source: Sustainable Development Goal 9 - Industry, Innovation And Infrastructure - Sarah Grundy  
[https://www.youtube.com/watch?v=NU6rc\\_vm9rs](https://www.youtube.com/watch?v=NU6rc_vm9rs)



Source: SDG 9 Industry, Innovation & Infrastructure - UN Sustainable Development Goals - DEEP DIVE  
<https://www.youtube.com/watch?v=Za4NUJz99w8>

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# Did you know?



The world confronts a significant gap in infrastructure, requiring trillions of dollars to fulfill the increasing need for sustainable and resilient systems. SDG 9 endeavors to bridge this gap by advocating for inclusive and sustainable industrialization while fostering innovation.

Ensuring infrastructure resilience is a vital component of SDG 9. Constructing infrastructure capable of enduring natural disasters like earthquakes or floods is crucial to maintaining service continuity and preventing development setbacks due to such occurrences. This emphasis on resilience enhances the overall sustainability of infrastructure initiatives.



SDG 9 highlights the importance of boosting technological capabilities in developing nations. Through collaborative endeavors to transfer technology and enhance local capacity, countries can address their specific challenges and foster sustainable development. Facilitating the exchange of knowledge and technology ensures that all nations can actively engage in the global innovation arena.



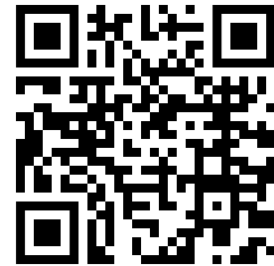


# Future World Vision Mega City 2070

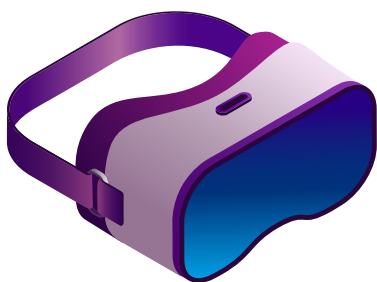
In 2070, Mega City is a densely populated metropolis with 50 million inhabitants, emphasizing sustainability and flexibility in infrastructure. The city employs advanced technologies such as AI, data applications, and robotics to enhance the safety and well-being of its residents while ensuring privacy. The city is in constant evolution, providing new opportunities for creative solutions and self-sufficiency.

## How to get there

Visit the virtual experience by clicking the following link: [Future World Vision Mega City 2070](#) or by scanning the QR code.



Source: <https://www.youtube.com/watch?v=fjoT3YBff-U>



## Instructions for VR goggles

*If you have a VR-headset you can watch this video in VR.*

1. Put on VR goggles and open the web browser in the VR-set.
2. Type in or enter the link in the address bar.
3. Look around, listen well and enjoy the video!





# Questions

- How does Mega City ensure its sustainable development?
- Consider which groundbreaking development will shape the future in your surroundings. What comes to your mind as the foremost change you wish to see?



# What you can do

**Support Innovation Hubs:** Investing in accessible and quality education, especially in science, technology, engineering, and mathematics (STEM) fields, is vital for fostering innovation and infrastructure development.

**Invest in Education:** Investing in accessible and quality education, especially in science, technology, engineering, and mathematics (STEM) fields, is vital for fostering innovation and infrastructure development.

**Promote Sustainable Technologies:** Advocate for the adoption of sustainable and environmentally friendly technologies. Supporting research and development in clean energy, efficient transportation, and eco-friendly infrastructure contributes to meeting the demands for innovation while minimizing environmental impact.

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