**LEARN & ACT** 

### Industry, Innovation, and Infrastructure





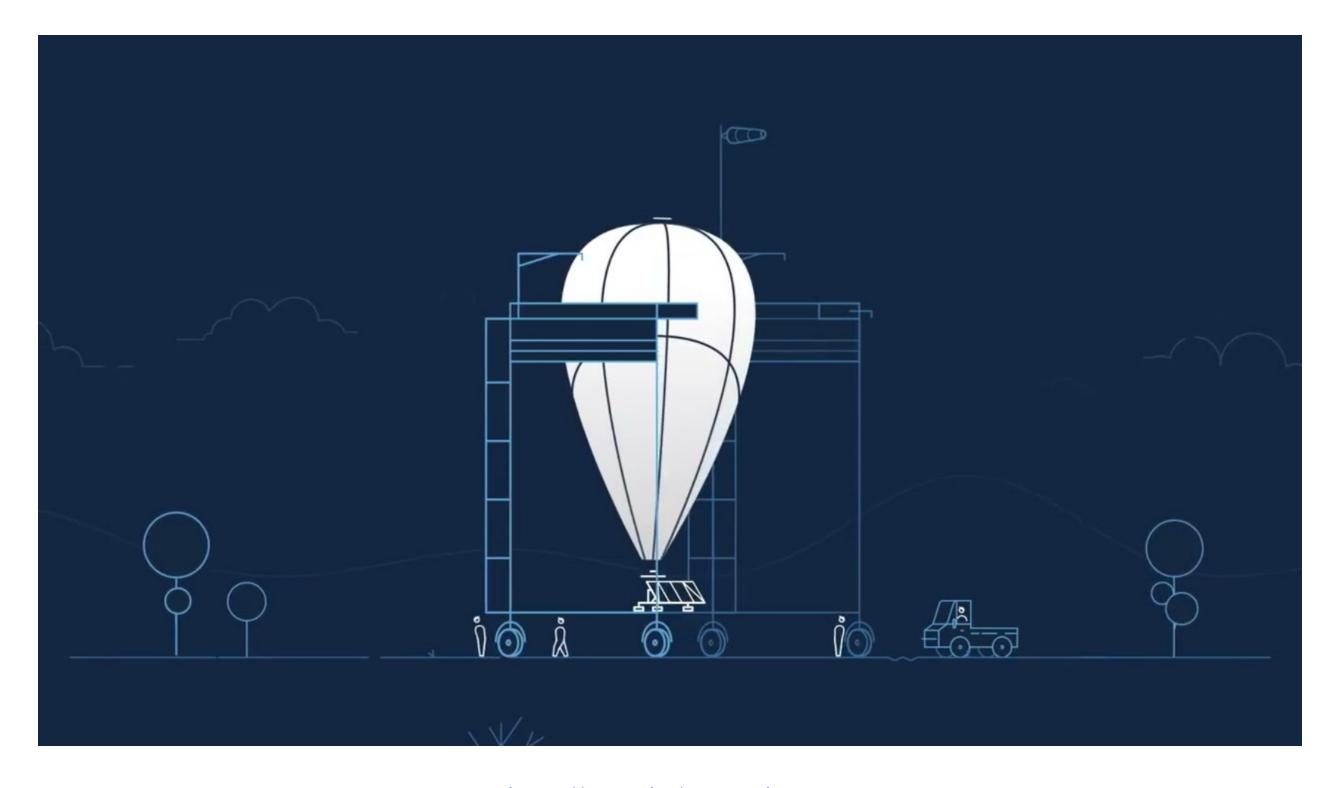
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### Project Loon



https://youtu.be/LWocSBkq\_M8



### **Project Loon's success**

Remote education for children



**Telemedicine** 



Doubled agricultural productivity





But 2021, The project was canceled due to high costs





01

Let's learn about industry, innovation, and infrastructure

### 1. Let's learn about infrastructure (1)



### What is infrastructure?

Infrastructure refers to the fundamental public facilities and systems that are necessary for industrial development.



**Transportation** 

Roads, railways, ports



**Recreation facilities** 

Public parks, Playgrounds



**Supply system** 

Water supply systems, electric power



**Environment** 

Sewage systems, recycling facilities



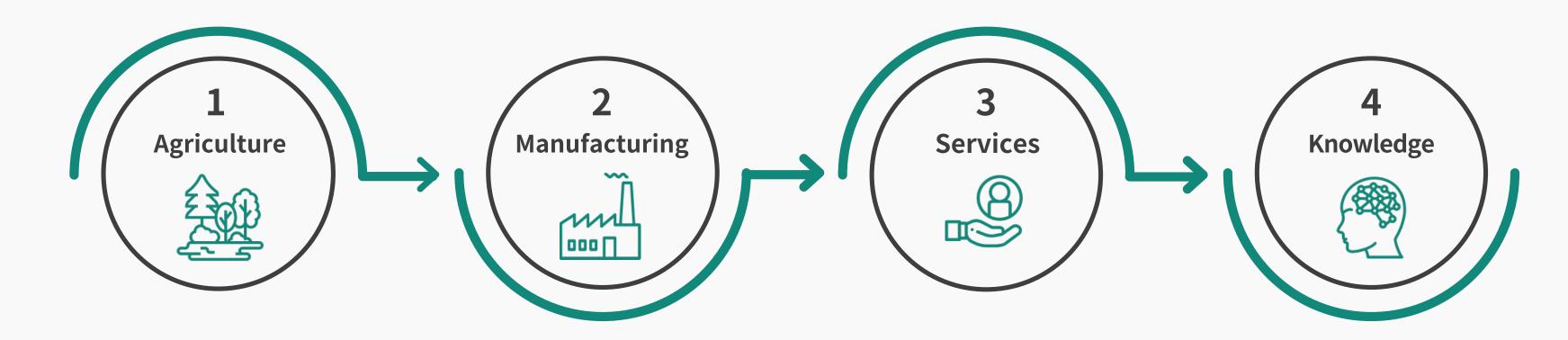
A well-established infrastructure accelerates development of the society.

### 1. Let's learn about industry and innovation(2)



### What is industry?

An economic activity concerned with production of goods and services necessary for humans to make a living



### 1. Let's learn about industry and innovation(2)



### What is innovation?

Improving what is unsatisfactory with creative and new methods





### 1. Let's learn about industry and innovation(2)



### Industrial development lead to economic growth











Building of infrastructure

Industrial activities

Creation of jobs











Stimulates industrial activities

Increased consumption

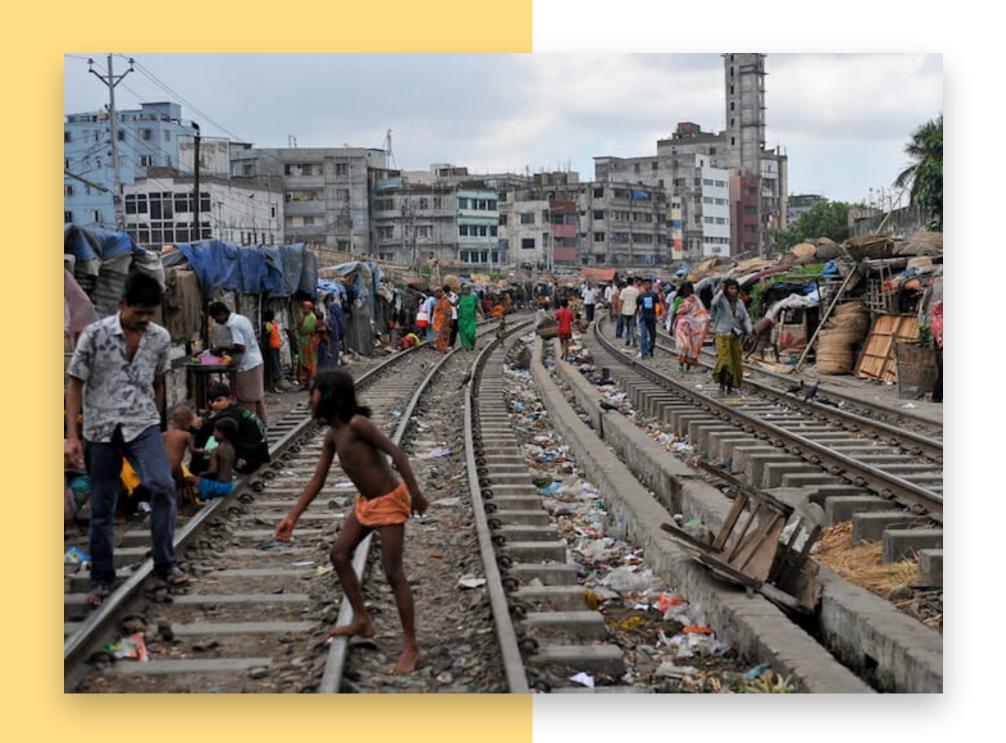
Increase in income



# Not everyone benefits from innovation, and infrastructure







Infrastructure in underdeveloped

countries

### 04. Infrastructure in underdeveloped countries (1)



#### **Poor infrastructure**

- Underdeveloped countries lack basic infrastructure



2.6 billion people

I don't have electricity.





4 billion people

I can't use the internet.





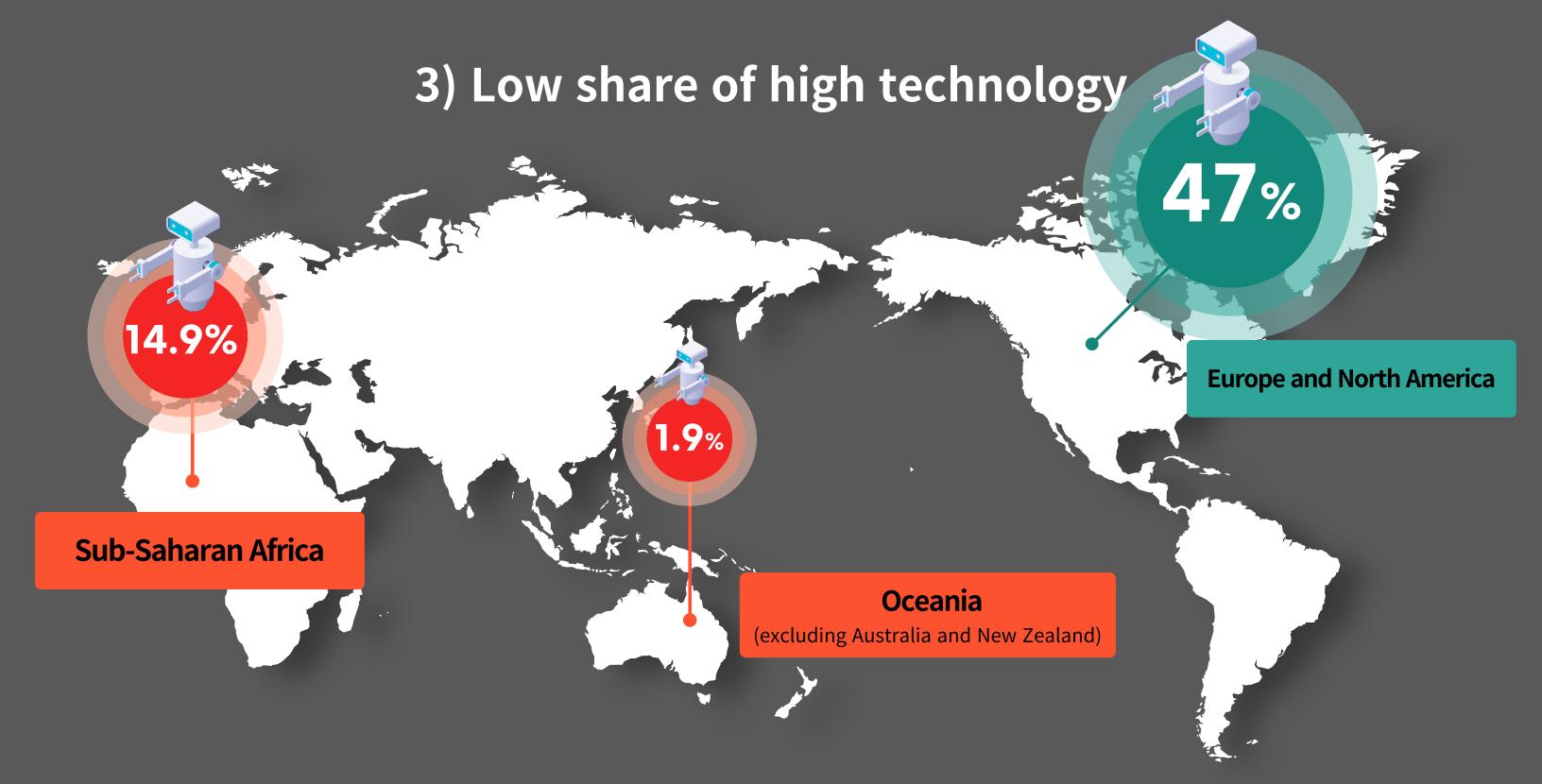
2.3 billion people

I don't have a toilet.



### 04. Infrastructure in underdeveloped countries (2)

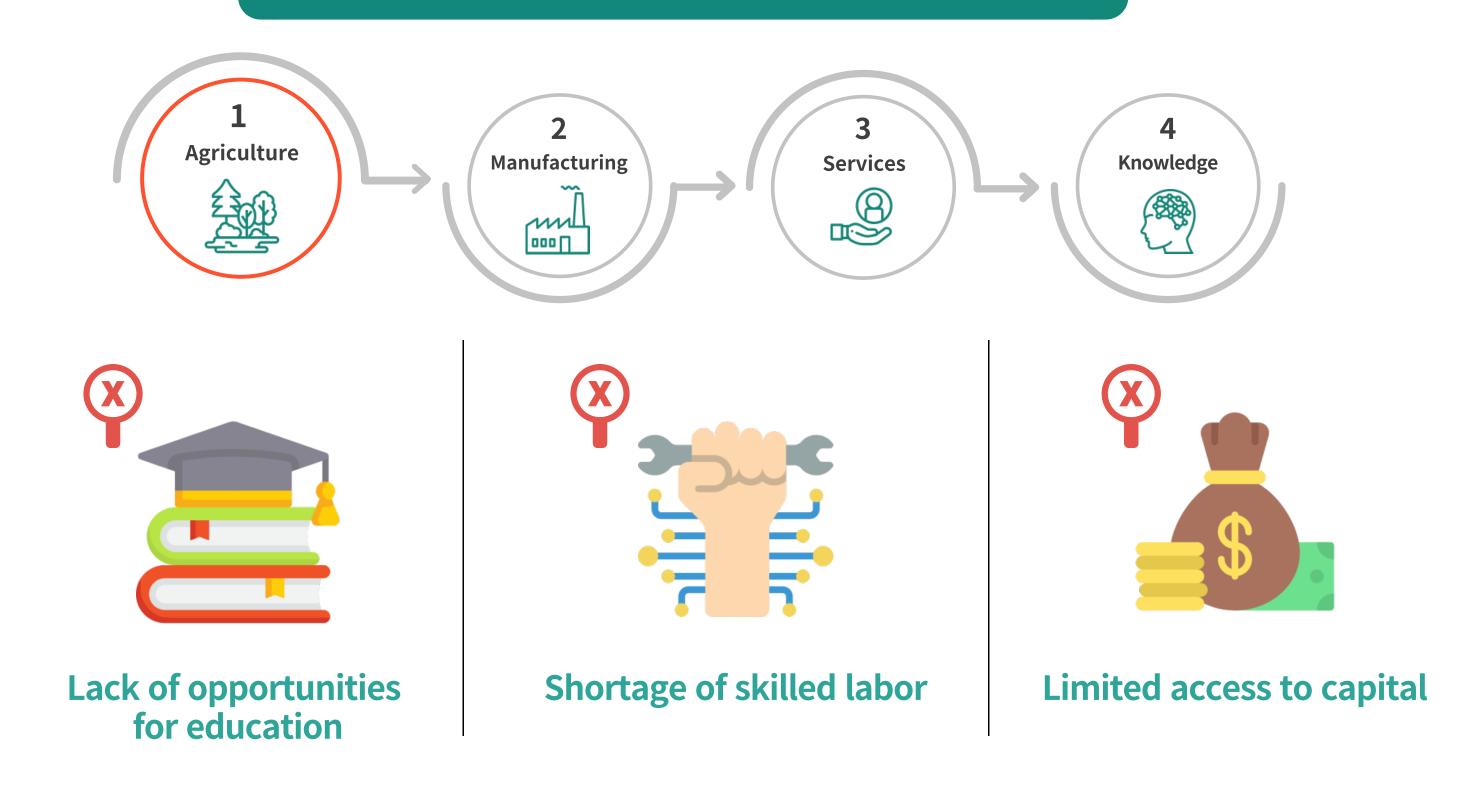




### 02. Infrastructure in underdeveloped countries



#### Centered around the primary sector of industry







Goal of the international community for industry, innovation, and infrastructure

### 03. Goal of the international community for industry, innovation, and infrastructure





UN Sustainable Development Goal #9

'Industry, Innovation, and Infrastructure'

Significance of industry, innovation, and infrastructure

Balanced growth without harming the environment by solving various issues related to industry and infrastructure.

#### SUNHAK PEACE PRIZE

### 06. Goal of the international community for industry, innovation, and infrastructure

#### SDGs 9. Targets

- 9.1 Develop quality, sustainable, and resilient infrastructure, including regional and transborder infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all
- 9.2 Promote inclusive and sustainable industrialization and, by 2030, significantly raise industry's share of employment and gross domestic product, in line with national circumstances, and double its share in least developed countries
- 9.3 Increase the access of small-scale industrial and other enterprises, in particular in developing countries, to financial services, including affordable credit, and their integration into value chains and markets
- 9.4 By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities
- 9.5 Enhance scientific research, upgrade the technological capabilities of industrial sectors in all countries, in particular developing countries, including, by 2030, encouraging innovation and substantially increasing the number of research and development workers per 1 million people and public and private research and development spending

### 04. Most important tasks in industry, innovation, and infrastructure





Foster industries using abundant resources and labor



R&D investment and technology transfer



Strengthening support for small enterprises



Improving ICT accessibility





05

International efforts for industry, innovation, and infrastructure

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### 05. International efforts for industry, innovation, and infrastructure



### 1) International organizations





United Nations Industrial Development Organization





International Telecommunication Union





A global health research funding group

### 05. International efforts for industry, innovation, and infrastructure



### 2) Various ideas



# Samoa youths enter organic farming and organic menu development industry

- Provides food processing facilities
- Supports training in related technologies



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### 05. International efforts for industry, innovation, and infrastructure



### 2) Various ideas



## Technovation Challenge for girls in Tunisia

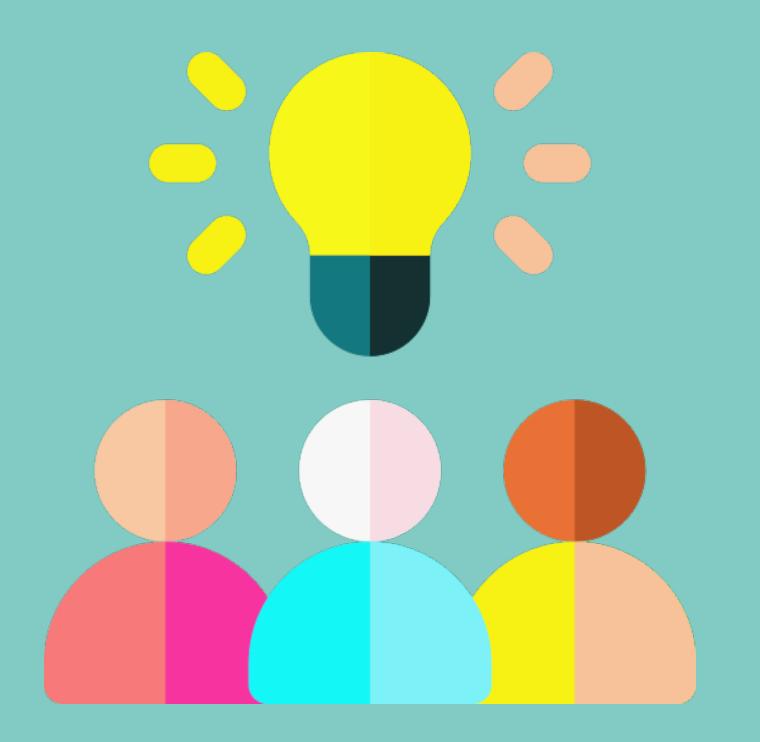
Projects to promote

high-tech capabilities

for girls aged 10 to 18 across Tunisia



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08

### A brainstorming session

Let's review what we learned today and think together!





# What can we do to improve global industry, innovation, and infrastructure?





### Understand Goal 9: Industry, Innovation, and Infrastructure



https://youtu.be/HjX4rlMP-eg



# THANK YOU