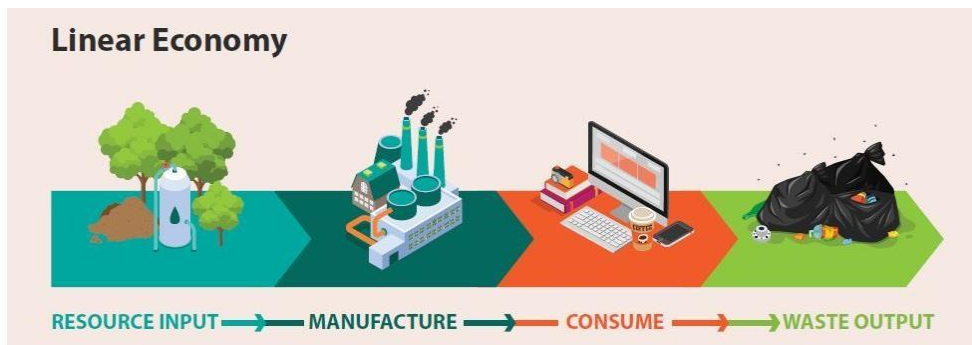


MTI COS 2020: Circular Economy

[循环经济]

1. Unlike a linear economy, where resources are typically disposed as waste after consumption, the circular economy focuses on maximising the value of resources by keeping them in use for as long as possible. The aim of the circular economy is to create a “loop” where input and output are continuously recycled within the system, with zero to minimal waste since waste products are re-used or repurposed to generate further economic activity.





**For illustrative purposes and not representative of all circular economy concepts*

2. Under Singapore's inaugural Zero Waste Masterplan, Singapore will adopt a circular economy approach across the value chain through measures to encourage sustainable production, consumption, and waste & resource management.
3. The circular economy approach promotes sustainability because it employs reuse, reduce, remanufacturing and recycling to maximise the use of limited resources, and reduce the creation of waste as well as greenhouse gas emissions.



Opportunities for Singapore in Circular Economy

4. Singapore is taking a whole-of-Government approach to the circular economy, to ensure a tight nexus between the environmental and economic aspects of sustainability. MTI is working closely with MEWR, MND and other agencies to identify circular economy opportunities across the entire value chain that are relevant to Singapore.
5. With increasing global awareness and emphasis on sustainability, there will be a growing need and demand for innovative solutions that maximise resource efficiency, reduce waste, and reduce our carbon footprint. This includes technology that can help us to close waste loops such as food, e-waste and plastic, improve energy efficiency, and reduce our carbon emissions.
6. As we invest in R&D, testbed and identify innovative solutions to address domestic concerns, there is room for Singapore to also identify and expand on the economic opportunities on those fronts, such as exporting these system-level and company-level solutions overseas. Such an approach will generate new economic opportunities for our companies and create good jobs for Singaporeans.

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