Circular Economy Approach

29 June 2018

Holy Ranaivozanany

WORLD MATERIALS FORUM

HUAWEI

Huawei Circular Economy strategy

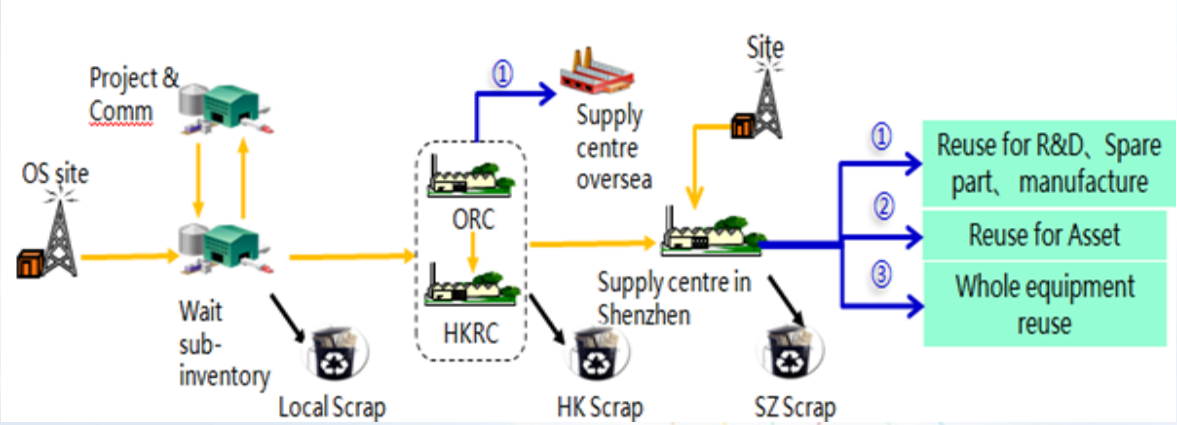
Huawei continuously improves **resource and energy utilization efficiency**, and promotes **reuse of raw materials, components, and products**. We focus on extending the **service life of the product** to ensure that the product is easy to recycle, maintain, and recycle. We use **lifecycle evaluation methods and tools** to reduce material consumption and select recyclable or degradable materials.

PRODUCT DESIGN

REVERSE BUSINESS FLOW

NEW BUSINESS MODELS

COLLABORATION



WORLD MATERIALS FORUM

HUAWEI

Circular economy principles in the product design

Raw material acquisition

Raw material selection: Use more recycled and secondary materials.

Lightweight design: Minimizing the use of materials, while still ensuring full functionality

Product use

Extend product lifespan through design.

Design products as modules or platforms to make them easier to upgrade and repair.

End of lifecycle

Products are easy to disassemble. Avoid "always-on" design. High-value modules need to be disassembled without being damaged.

Different materials can be easily disposed of separately

WORLD MATERIALS FORUM HUAWEI

Recycling Mobile Phones

Huawei runs a **Global Green Recycling Program** for scrapped mobile phones, tablets, and other electronic products, in which we strive to fulfill our extended producer responsibility. We organize various phone recycling initiatives, aiming to give consumers a better understanding of Huawei's recycling channels, and allow them to participate in the process. In doing so, we strive to **maximize the value of scrapped electronic products** and contribute to a circular economy.

RECYCLING STATIONS	ONLINE TRADE IN	TRADE IN (CHINA)
1,025 recycling stations	**15** countries	Online / in store / home pick up
48 countries	Including Germany, UK and Italy	**200,000** phones online in 2017

WORLD MATERIALS FORUM

HUAWEI

Collaborating for a Circular Economy

We fully support cross-sector collaboration and best practices sharing between governments, businesses, industry alliances, and other stakeholders:

- Collaborating with **ETSI EE and ITU SG5** to work on the Technical Report of Circular Economy in ICT and define approaches, concepts, and metrics for an ICT-driven circular economy.

- Supporting **ITU-T SG5 L.CEM** to work on the development of the Criteria for Assessing Mobile Phones' Environmental Impact. The aim is to develop a set of rules for assessing mobile phones' environmental impact across the entire lifecycle from material use, energy consumption, maintainability, and waste management.

- Engaging with the **Global e-Sustainability Initiative (GeSI)** Sustainability Assessment Standard Framework (SASF)

WORLD MATERIALS FORUM HUAWEI

THANK YOU