What is a Circular Economy?

A circular economy is based on the principles of designing out waste and pollution, keeping products and materials in use, and regenerating natural systems.

Why a Circular Economy?

The existing linear economy approach of “take-make-waste” must change. Designing out waste and pollution; keeping products and materials in use; and regenerating natural systems are the three principles of a new circular economy system.

It’s not just about waste management

A circular economy favors activities that preserve value in the form of energy, labor and materials. This means designing for long-lasting use, reuse, remanufacturing, and recycling to keep products, components, and materials circulating in the economy.
Keysight’s contributions

Keysight’s main contribution to a Circular Economy is assuring our solutions are designed and produced to support an extensive use phase, of up to 40 years active service; supported by our calibration, repair and remarketing services:

1-5 years 10 years typical first life 5-30+ years
Concept Market launch Market withdrawal End of life

Use phase
Calibration, repair and enhance + 5 years minimum
Refurbish & upgrade (Secondary markets)
Parts recovery & re-use
Waste phase
Recycling & Materials recovery

Lifecycle model for Keysight Solutions

Relating our Business activities into the Circular Economy model:

MAINTAINING
Instruments must provide repeatable and accurate results throughout their lifetime. Periodic calibration services assure the quality of measurements are maintained year after year;

REPAIRING
While products are designed for long term reliability, failures do occur. Repair services help minimize any instrument down-time and customer disruption. Equipment is supported for a minimum of five years after market withdrawal;

REFURBISHING
Technology does not stand still, and enhancements and upgrades are made available to extend the useful life of equipment. When a newer piece of equipment is finally required, substantial trade-in discounts are offered to customers; providing a strong incentive to return equipment to Keysight. We have a dedicated business to refurbish equipment and offer the equipment for sale;

RECYCLING
Equipment only enters the waste stream many decades after being placed on the market. Our contribution to the stream of waste electrical and electronic equipment (WEEE) is insignificant (<0.2% of all EU WEEE). While return to Keysight is made available, most customers responsibly manage end of life equipment through their B2B waste processes.

Additional resources: Keysight Corporate Social Responsibility (CSR) website.

1 Eurostat: WEEE Data 2017 – Monitoring and Control percentage of all EEE placed on the market in 2017 was 1.93%. The Test and Measurement Coalition has estimated the total contribution for the Industrial Monitoring and Control sector to be 0.20%.

Learn more at: www.keysight.com

For more information on Keysight Technologies’ products, applications or services, please contact your local Keysight office. The complete list is available at: www.keysight.com/find/contactus