

# CIRCOTRONIC PROJECT

THE DIGITALISATION OF THE ECONOMY, SOCIETY AND OUR DAILY LIVES IS CONTRIBUTING SIGNIFICANTLY TO THE INCREASE IN THE PRODUCTION OF ELECTRICAL AND ELECTRONIC EQUIPMENT (EEE).

THE CIRCOTRONIC PROJECT FOCUSES ON THE CIRCULAR ECONOMY.

RESPONDS TO THE RAPIDLY GROWING WASTE CHAIN OF ELECTRICAL AND ELECTRONIC EQUIPMENT.



## PROJECT OBJECTIVES

FOSTER SUSTAINABLE GROWTH BY TRANSFORMING THE PRODUCTION OF ELECTRICAL EQUIPMENT IN CENTRAL EUROPE TOWARDS CIRCULAR AND RESOURCE-EFFICIENT PROCESSES, VALUE CHAINS, PRODUCTS AND SERVICES



MINIMISING THE NEGATIVE IMPACTS THAT ARISE FROM THE USE OF MATERIALS AND POLLUTANTS IN THE PRODUCTION OF ELECTRICAL EQUIPMENT, BUT ALSO MINIMISING END-OF-LIFE WASTE





PROPOSING A POLICY FRAMEWORK AND IMPLEMENTING CIRCULAR ECONOMY POLICY MEASURES TO PROMOTE CIRCULAR PRODUCTION OF EEE AND PROPOSING WAYS TO MANAGE E-WASTE AS A RESOURCE

EXPLORE FURTHER DETAILS ON THIS PROJECT RIGHT HERE:



AGENCY FOR THE SUPPORT OF REGIONAL DEVELOPMENT KOŠICE, NON PROFIT ORGANISATION

 ARR\_KOŠICE

 Agentúra na podporu regionálneho rozvoja Košice, n.o.

### SLOVAK PARTNERS



TECHNICAL UNIVERSITY OF KOŠICE



AGENCY FOR THE SUPPORT OF REGIONAL DEVELOPMENT KOŠICE, NONPROFIT ORGANISATION



Co-funded by the European Union

CIRCOTRONIC

# EXAMPLES OF GOOD PRACTICE IN CIRCULAR ECONOMY

## EATON

### TAKE-BACK AND RECYCLING PROGRAMMES

EATON HAS ESTABLISHED TAKE-BACK AND RECYCLING PROGRAMS FOR PRODUCTS SUCH AS BATTERIES, CIRCUIT BREAKERS, TRANSFORMERS AND ELECTROMOTORS.

CUSTOMERS CAN RETURN THEIR USED PRODUCTS FOR FREE OR AT A DISCOUNT. THESE PRODUCTS ARE THEN DISASSEMBLED INTO THEIR INDIVIDUAL COMPONENTS, WHICH ARE RECYCLED TO RECOVER COPPER, STEEL AND ALUMINIUM.

### REUSE

OFTEN FOR PRODUCTS IN GOOD CONDITION (WITH MINOR REPAIRS NEEDED), EATON REUSES PARTS FROM DAMAGED PRODUCTS

### RENOVATION

EATON REMANUFACTURES ELECTRIC MOTORS AND CIRCUIT BREAKERS WITH THE SAME WARRANTIES, SIGNIFICANTLY CHEAPER



## BEKO

### EQUIPMENT WITH RECYCLED ELEMENTS

BEKO HAS INTRODUCED A RANGE OF APPLIANCES THAT INCORPORATES PARTS MADE FROM RECYCLED FISHING NETS, INDUSTRIAL THREAD WASTE AND RECYCLED PLASTIC BOTTLES.



WASHING MACHINES - IN THE MANUFACTURE OF TUBS FOR WASHING MACHINES AND DRYERS RECYCLED PLASTIC BOTTLES ARE USED, ACCOUNTING FOR UP TO 10% OF THE MATERIALS USED IN EACH TUB



OVENS - USING INNOVATIVE TECHNOLOGY, THEY RECYCLE FISHING NETS AND TURN THEM INTO HIGH-EFFICIENCY MATERIALS THAT ARE USED IN THE DOOR DECOR PLASTIC, THE DISPLAY COVER AND THE INNER PLASTIC DISPLAY COVER



FRIDGE-FREEZER - PARTS AND ACCESSORIES ARE MADE OF BIOLOGICAL SOURCES, SUCH AS SUGAR CANE, WASTE FROM EGGSHELLS AND SOYBEAN OIL

## CIRCULAR ECONOMY

THE CIRCULAR ECONOMY SEEKS TO MINIMISE WASTE AND MAXIMISE THE USE OF RESOURCES BY DESIGNING THE MATERIALS AND PRODUCTS SO THAT THEY CAN BE REUSED, REPAIRED, RECYCLED OR OTHERWISE REUSED.

THE AIM OF THE CIRCULAR ECONOMY IS TO CREATE SUSTAINABLE ECONOMIC SYSTEMS THAT MINIMISE THE NEGATIVE IMPACT ON THE ENVIRONMENT WHILE AT THE SAME TIME MAXIMISE THE USE OF RESOURCES.

