

CEEDaCI

A Circular Economy for Electronic and Electrical Equipment in the European Data Centre Industry

What challenge or problem are you addressing? What is the need for the project?

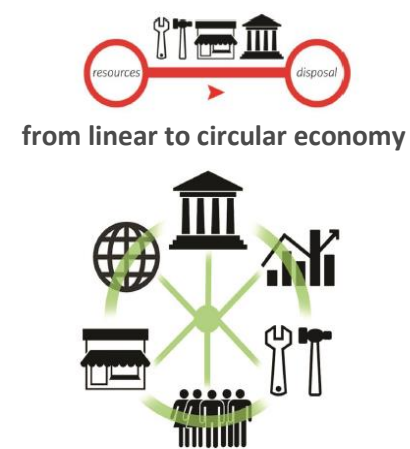
Data Centres process digital information and are essential to the existence of the internet. There are 6 billion connected products but by 2020, 120 billion products will be connected via the Internet of Things and consequently the processing capability and number of Data Centres will increase significantly. At present there is no parallel reprocessing system for redundant electrical and electronic equipment and millions of tonnes of valuable components and materials are discarded, which also wastes money and increases the environmental impact.

Objective of the project:

A tool that demonstrates the economic, environmental, and social value of a Circular Economy for Data Centres in order to change behaviour and build new business practice for this sector.

Why do you need transnational cooperation?

The data centre industry is global and most manufacturing happens in Asia. At end-of-life, products are sent to a landfill or processed in unregulated, hazardous conditions in Asia and Africa. A transnational partnership will compete with established business by building a network that facilitates component and materials reuse, remanufacture and recycling to reduce environmental impact and create jobs in a new high value industry in Europe.



Types of partners:

We are looking for partners with knowledge and/or experience in the recycling industry; electrical and electronic equipment manufacture and recycling; data centre construction and management; economic and social Life Cycle Assessment; business development planning and modelling.

Your contact details

Name	Dr Deborah Andrews
Organisation	London South Bank University
Region	London and South East
Country	UK
Telephone number	+44(0)20 7815 7682
Email	andrewsd@lsbu.ac.uk
Website	www.lsbu.ac.uk/schools/engineering/research