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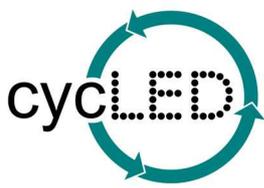
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# cycLED: Cycling resources embedded in systems containing Light Emitting Diodes



## Aim:

To optimise the flows of resources over all life-cycles phases of LED products

## Objectives:

- Contributing to decoupling the growth of European LED markets from resource depletion
- Offering technical optimisations to maximise the resource efficiency of LED products
- Developing tools and methods to access the recycling potential and increase the resource productivity in the production of LEDs

## Research topics:

- Increased recycling of scarce key metals in LED production
- Optimised reliability and life time of LED products
- Reduced resource losses in production, use and recycling
- Solutions for eco-innovation

## NTU contribution:

- Development of new methodologies to reduce/re-use/recycle materials contained in LED products
- Development of toolbox to reduce/re-use/recycle materials contained in LED products
- Design of solutions to reduce/re-use/recycle materials contained in LED products
- Analysis of LED lighting products estimated and actual lifespan
- Analysis of LED lighting products causes of failure



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## Project partners:

