

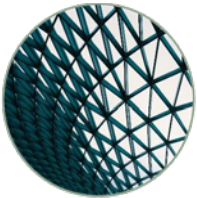
AFRY Sustainability Consulting – Circular Economy Services

AFRY & SUSTAINABILITY

AFRY is an international leader within engineering, design and advisory services.

We are 19,000 devoted experts within the fields of infrastructure, industry and energy operating across the world to create sustainable solutions for the next generation.

OUR SUSTAINABILITY SERVICES INCLUDE:



Climate Change



Biodiversity



Circular Economy



Water



Social

CIRCULAR ECONOMY

The circular economy is an action-based solution to tackle global challenges caused by overconsumption. Circular economy action plans are now part of compliance and the next step towards sustainable business.

AFRY combines strategic circularity experience with essential engineering knowledge to support your company's transition to a circular economy.

MAIN REGULATIVE DRIVERS

The European Union understands the impact of resource consumption on climate, biodiversity and economy and has recently pushed several circular economy related regulations:

European Sustainability Reporting Standard

ESRS Section E5 requires companies to disclose their material flows, their actions towards circular economy, their targets and policies, as well as identified risks and opportunities.

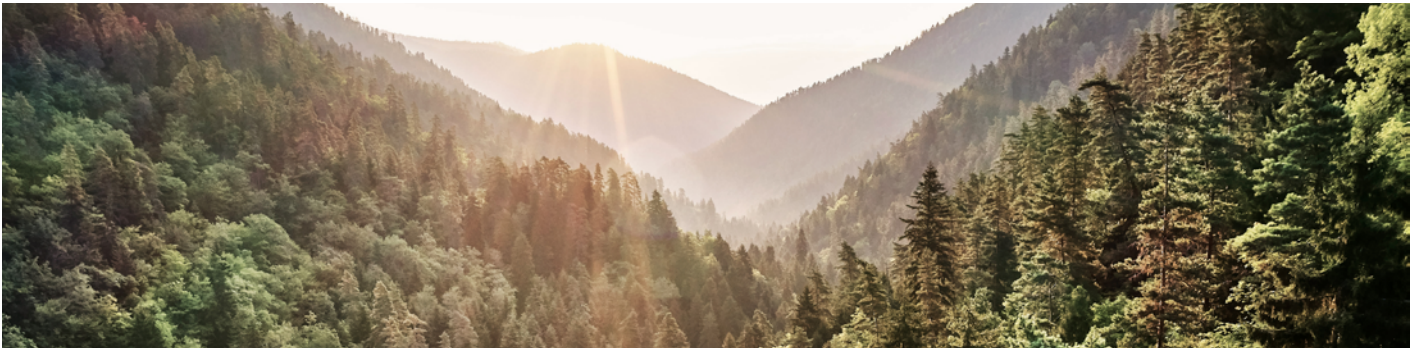
EU Taxonomy

Financial market participants have to disclose how they contribute to sustainable development. One of the six contribution criteria is circular economy.

EU Ecodesign for Sustainable Products

The Ecodesign Directive requires companies to check their products along ecodesign criteria like longevity, reparability, and recyclability and communicate the results with, e.g. the Digital Product Passport.



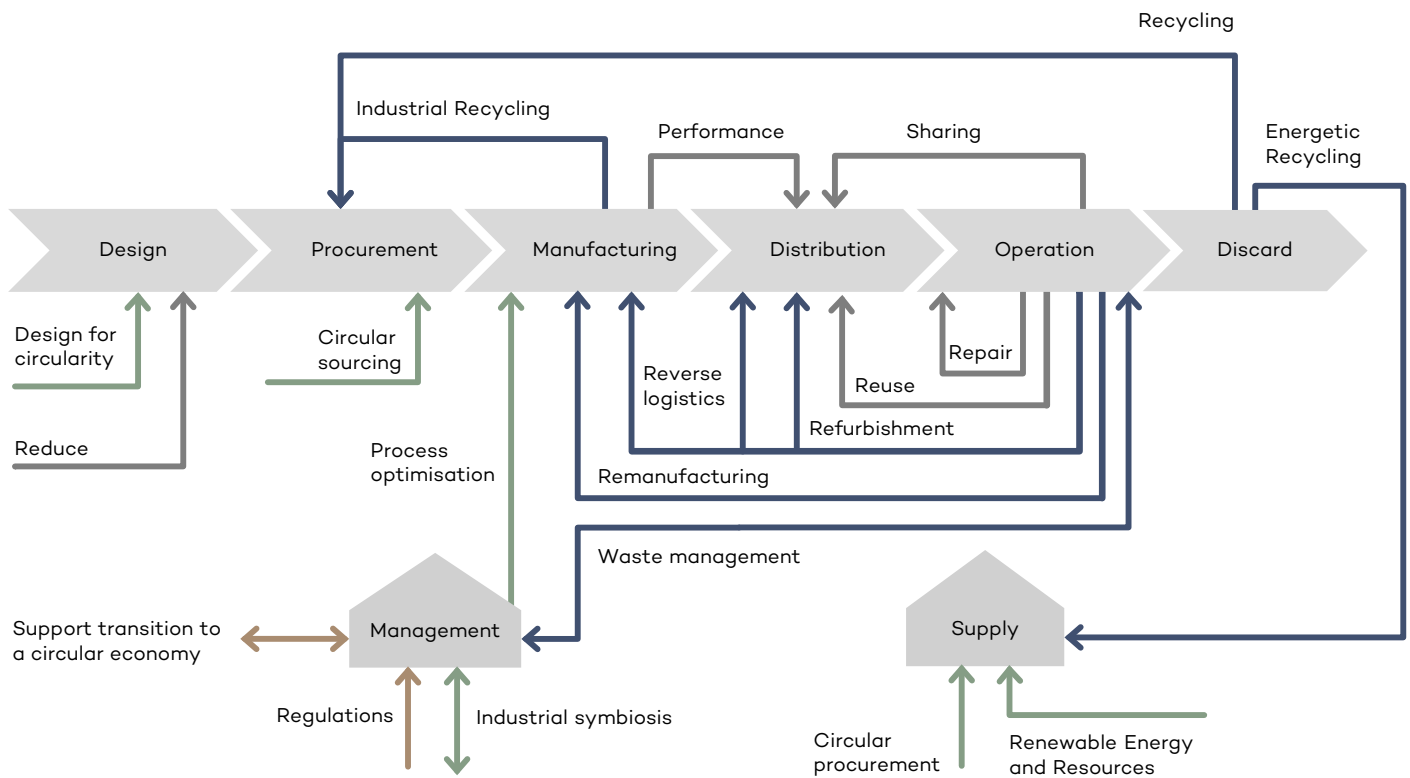


ISO FRAMEWORK CIRCULAR ECONOMY

The newly published ISO 59004 (Draft version) states a standardised definition of Circular Economy:

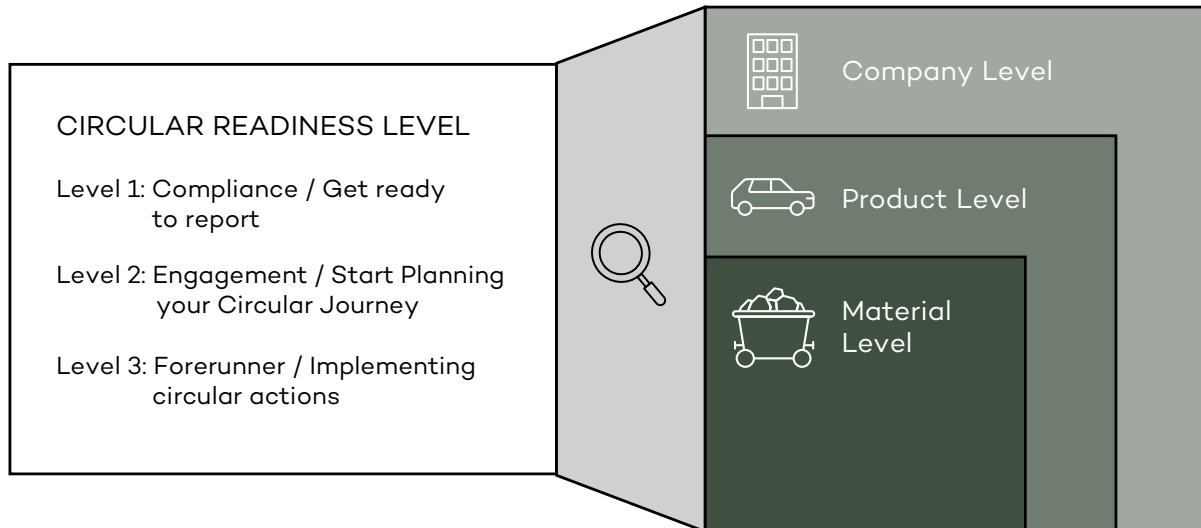
“Economic system that uses a systemic approach to maintain a circular flow of resources, by regenerating, retaining or adding to their value, while contributing to sustainable development. (ISO)”

The current state and possible circular solutions are investigated during workshops with sector experts according to the following ISO framework:



Create added value	Rethink solutions at the design and development stage and optimise production processes
Contribute to the value retention	Design solutions for prolonged use and preserve the function to increase lifetime and use intensity
Contribute to value recovery	Reintroduction products, components and materials into new products or processes to close the loop
Support transition to a circular economy	Enabling a system change towards a circular economy through support of relevant actors and stakeholders

AFRY can support your company on a company, product or material level to increase the circular economy readiness level.



COMPANY LEVEL

- ESRS E5 Circular Economy reporting (Risk Assessment, Target Setting, Policy Development, Data Management, Development of Solutions, Reporting)
- Support to align with EU Taxonomy criteria
- Support to fulfil Circular Economy tender requirements
- Ecosystemic Business Models to understand stakeholder engagement
- In-house support during the implementation of circular economy action points



PRODUCT LEVEL

- Circular Economy Product Passports aligned with ISO methodology
- Support to align products with the EU Ecodesign Directive for Sustainable Products
- Life Cycle Assessments
- Development of Service centred business models to reduce resource dependencies
- Financial Models and Carbon Models for circular solutions



MATERIAL LEVEL

- Support during data collection and mapping or internal resource flows
- Waste management strategies and - development
- Commercialisation of waste and by-products
- Development of return infrastructure to ensure reliable material and component supply

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AFRY provides engineering, design, digital and advisory services to accelerate the transition towards a sustainable society.

We are 19,000 devoted experts in industry, energy and infrastructure sectors, creating impact for generations to come. AFRY has Nordic roots with a global reach, net sales of 24 BSEK and is listed on Nasdaq Stockholm.

Making Future

