

# Telemecanique Sensors' commitments to Ecodesign

April 2025



# What is Ecodesign

- Dec 2019 - [European Green Deal](#)
  - Roadmap for making EU's economy more sustainable.
  - Provides an action plan to boost the efficient use of resources by moving to a clean, circular economy and to restore biodiversity and cut pollution.
- March 2022 - [Ecodesign for Sustainable Products Regulations](#) (ESPR)
  - New chapter addressing product design
  - 80% of the environmental impact comes from design
  - Framework setting categories and criteria on:
    - Circularity
    - Energy performance
    - Other environmental sustainability aspects
  - Ultimately leading to the **digital product passports**

Sources:

[Sustainable Products in EU](#)

[Ecodesign for Sustainable Products Regulation](#) (ESPR)

[European Green Deal](#)



# Understanding Ecodesign

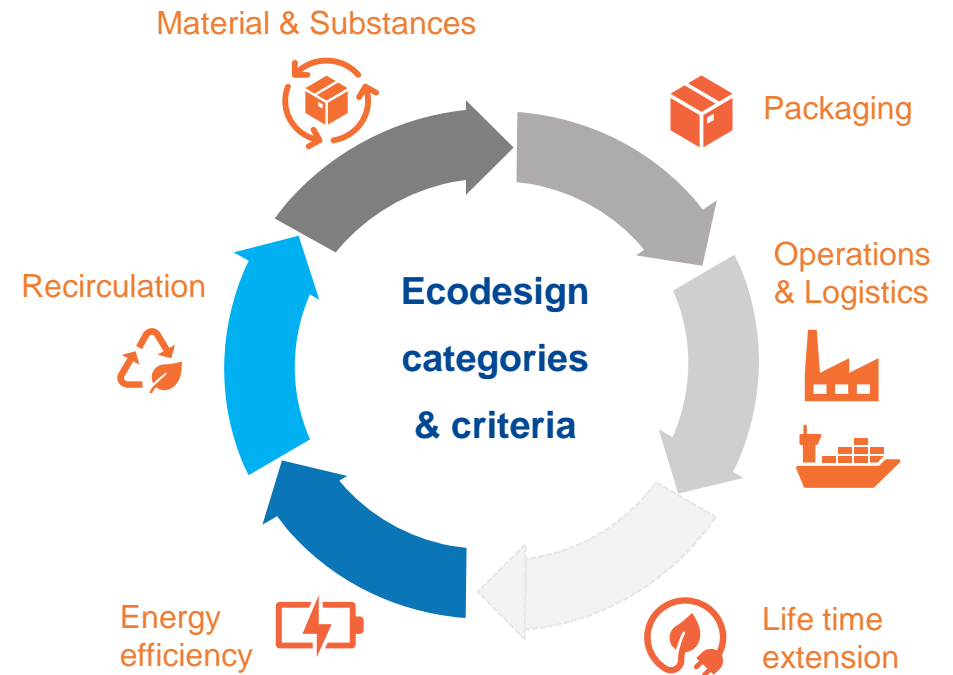
## Existing standard Definition

- Systematic approach which considers **environmental** aspects in the **design** and **development process** to reduce adverse environmental **impacts** throughout the **life cycle of a product**
- Based on the **ISO/IEC 62430:2019** Environment Conscious Design

Sources:

[Sustainable Products in EU](#)

[ISO/IEC 62430:2019 Environment Conscious Design](#)



# Benefits of Ecodesign

- According to the **ADEME** (French Environmental and Energy Agency), in 2020, related (only) to French companies:
  - 75 % integrated ecodesign in their strategy and 33% in a systematic manner
  - For 40 %, ecodesign is a mean to **anticipate future regulations**
- At Telemecanique Sensors, we strongly believe that ecodesign supports our sustainability efforts, commitments and bring additional transparency such as:
  - Anticipation of upcoming regulations
  - Support to our customers regarding their sustainability efforts
  - Increased transparency, and reporting
  - Development of a strong DNA of Sustainable Innovation
  - Talent's attraction and new career path development

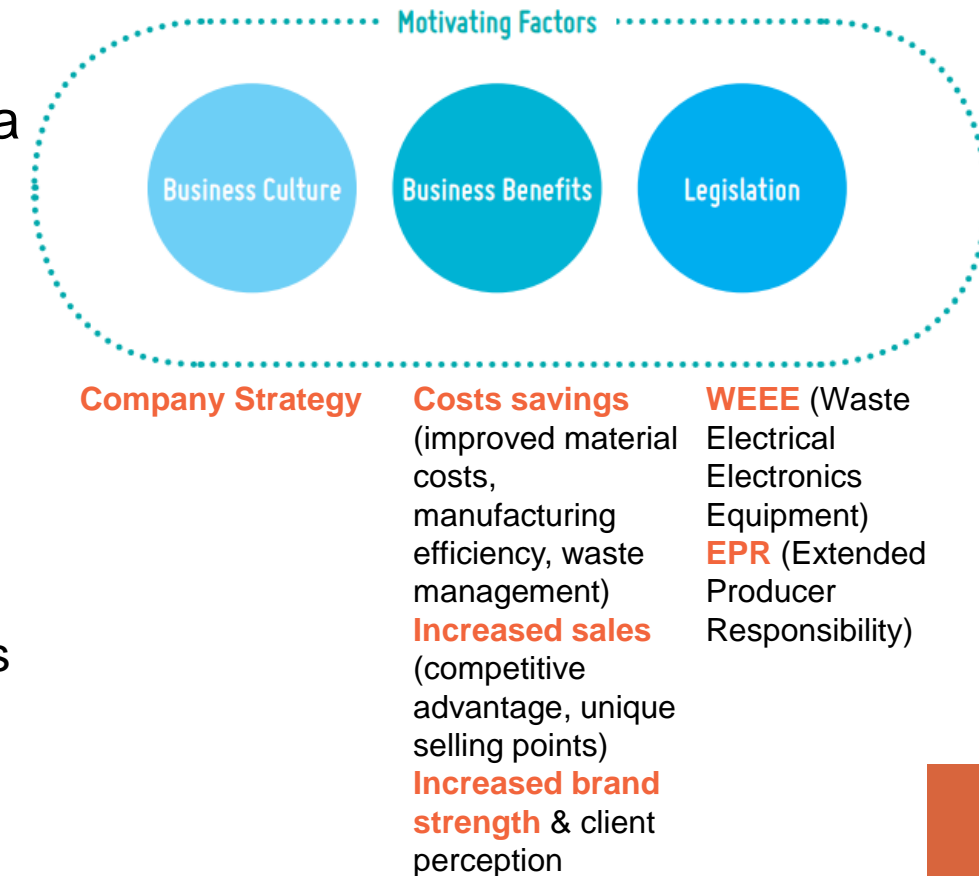
\*SMEs: Small and Medium Enterprises

Sources:

[ADEME](#)

[ENEC \(European Network for Ecodesign Centers\)](#)

## Benefits for SMEs\*



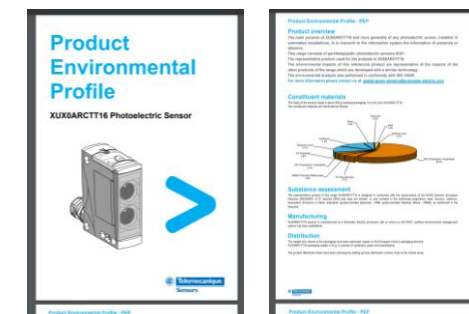


# Ecodesign applied to the New Photoelectric sensors XUB **YAGEO** GROUP

## Achievements:

- Product weight: - **38%**
- Raw material resources consumption: - **35%**
- Packaging weight: - **70%**
- Packaging raw material: from cardboard and plastic to paper
- Electrical consumption: - **56%** (usage phase)
- Development of an innovative assembly process
- Ecodesign methodology is applied to existing products (Packaging)
- Our **Product Environmental Profiles** (also known as Environmental Product Declaration, EPD), are highlighting the environmental impact and performance of our main products based on Life Cycle Assessment (LCA)

Sources: Internal Data





# YAGEO GROUP

Built into Tomorrow

## Thank you! 謝謝你!

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