

A woman with dark hair tied back, wearing an orange long-sleeved shirt, is looking at a garment hanging on a rack in a retail store. The background is blurred, showing other clothing racks and store lighting. The text "Smart Retail Solutions for a Sustainable Future" is overlaid in white on the image.

# Smart Retail Solutions for a Sustainable Future

# Project Background



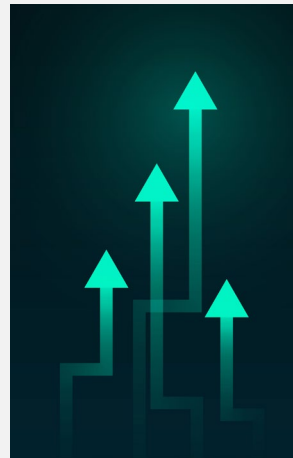
Retail malls are evolving into community hubs



Sustainability and responsibility are now essential



Sustainability is key to long-term business success



Future malls must balance profit and purpose

# What is Sustainability?

Sustainability is about creating **long-term value** by balancing environmental care, social responsibility, and economic growth.

True sustainability = **Planet + People + Profit**

# Why Sustainability Matters in Retail



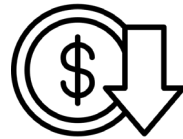
Rising customer expectations



Environmental regulations



Brand reputation



Cost efficiency



Long-term sustainability

# What is ESG?

Measurement and Rating of the Sustainability Initiative

## (E) Environmental

Protecting the planet

- Carbon footprint
- Energy use
- Waste management

## (S) Social

Supporting people & communities

- Employee welfare
- Customer safety
- Data privacy
- Community impact

## (G) Governance

Ethical and transparent management

- Transparency
- Anti-corruption
- Board structure
- Compliance

# Example

Installs EV chargers

**Sustainability:** We want to support green transportation.

**ESG:** We installed 50 chargers → reduced CO<sub>2</sub> by X tons → ESG score improved.

Digital receipts

**Sustainability:** Reduce paper waste

**ESG:** Track paper reduction → report impact.

# Examples of Solution Area

1. AI for Energy & Resource Efficiency
2. Smart Waste Management & Circular Economy
3. Sustainable Consumer Behavior & Engagement
4. Smart Mobility & Low-Carbon Access to Malls
5. Inclusive & Social Sustainability Through Technology
6. Tenant & Merchant Sustainability Enablement

# Project Deliverables

Each team must:

- Identify a problem
  - Propose an idea and the solution
  - Design implementation plan
  - Explain impact (ESG)
  - Present future-ready concept
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- Presentation (10–15 slides)
  - Visual mockups

