FEATURES AND EXAMPLES OF

ECO-DESIGN PRACTICES

Interventions to reduce environmental impacts in products and services could be undertaken in each of the product life cycle: from conception to development, from use to end-of-life. Key featuresof eco-design in include:







Materials extraction:

use of fewer materials, components and parts through modularization and standardization; and use of clean materials, removal of hazardous substances.

Production:

increase energy and resources efficiency in production; using clean/renewable energy; produce less pollution, emission and waste.



Design:

design for circular value and supply chains, and intend to add new ways to use and reuse the product through technical and social innovations for loop closing.



ECO-DESIGN

'a proactive approach in designing products and services that use minimum resources and energy and have minimum negative environmental and social impacts throughout their life cycle while meeting the users' needs of functionality and quality'.

Distribution:

reduce, minimize and optimize packaging materials; optimize transport infrastructure; and use Internet of Things for tracking distribution.



End of life:

end-of-life-collection
and take-back programs,
recovery and recycling,
up-cycling and
reverse logistics.



design for longevity,
easy maintenance and
reparability. Product as
a service or service—based
business models such
as sharing platform, renting,
swapping, collaborative
consuming, could also
be considered.

Sources:

Invest Northern Ireland (2020). Eco-design in product and service development. Available at: htttp://www.nibusinessinfo.co.uk/content/ecodesign-product-and-service-development

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Please Join us

Regional Dialogue on Driving Mechanisms for Eco-design Implementation in Asia

Wednesday 9 December 2020 I 10:00 - 12:00 hrs.

Bangkok Time ICT (Indochina time) UTC/GMT +7 hours Centara Grand at Central Plaza Ladprao Bangkok / via ZOOM application