

**TraVeLLer**



# MODERN FLOORCOVERING

November 2007

**Railway**  
Interiorsexpo

**Floor coverings must fulfil the expectations and needs of every “user”:**

- **Train Builders & Refurbishment Facilities**
- **Train Operators**
- **Passengers**

### **Builders & Refurbishment Facilities**

- Durability
- Innovative Design
- Safety
- Recyclability
- Ease of installation

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- Passenger Safety
- Corporate image
- Maintenance  
(cleaning)
- Energy  
Consumption

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- Safety
- Aesthetic / Comfort
- Growing environmental  
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### Builders & Refurbishment Facilities

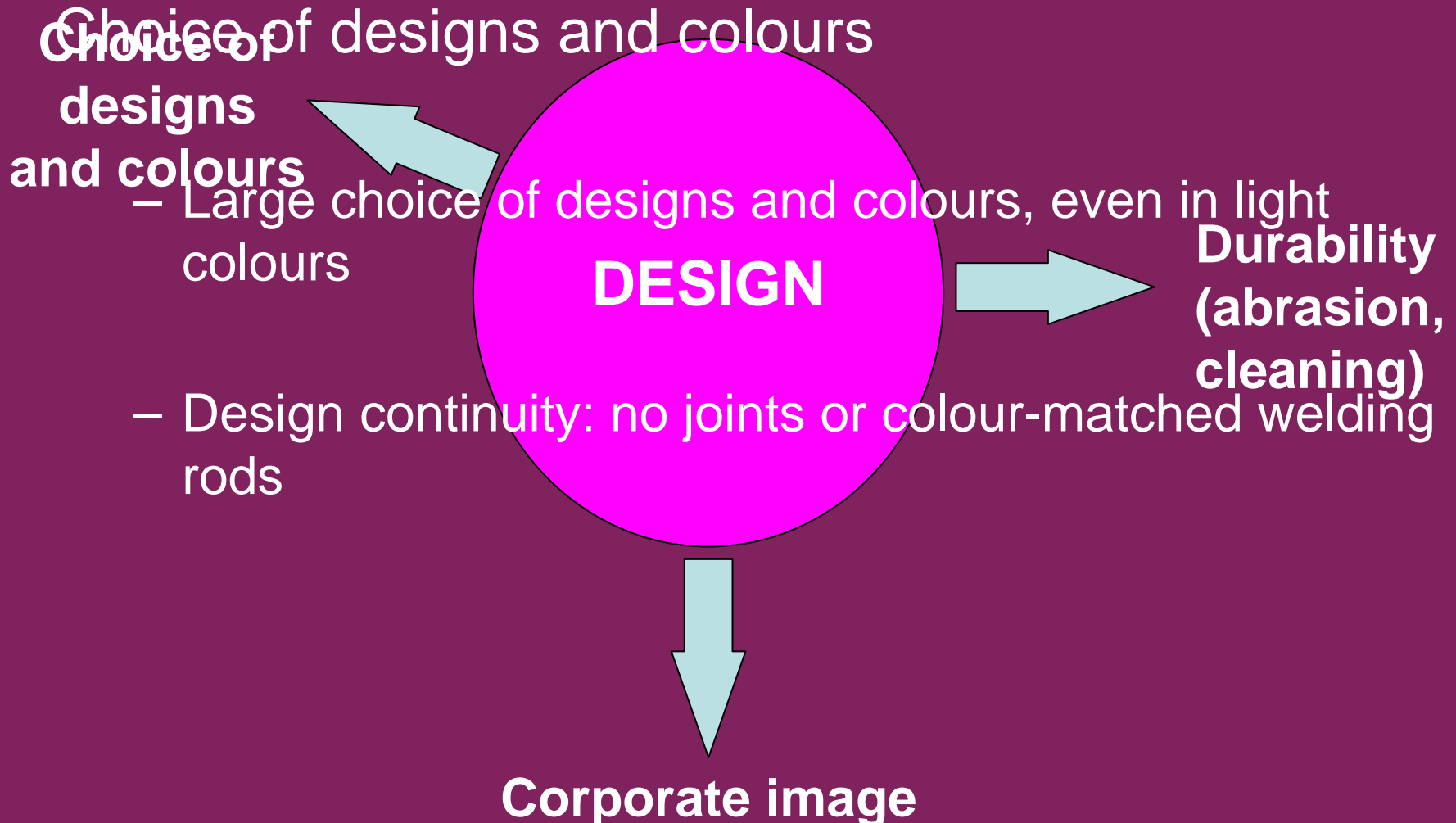
- Innovative Design

### Train Operators

- Corporate image

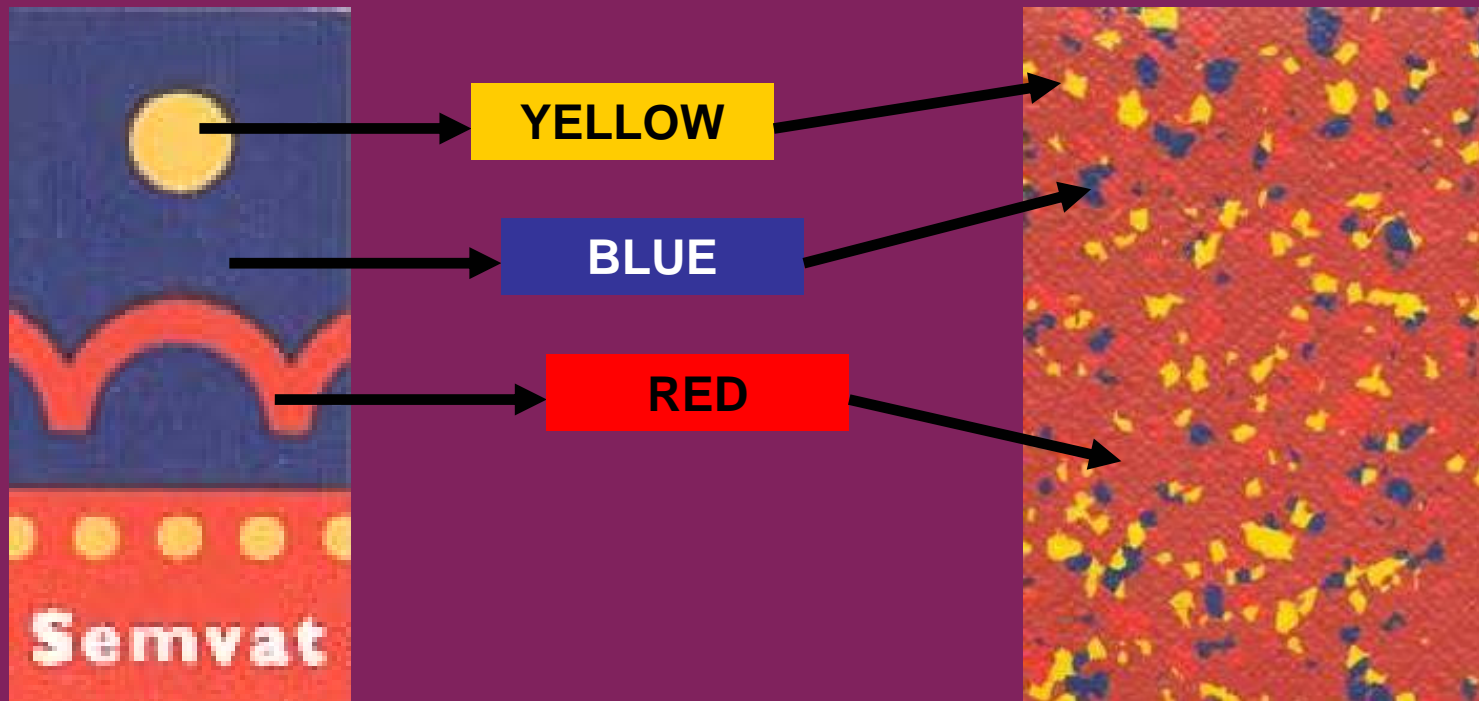
## DESIGN

- Aesthetic / Comfort



## Corporate Image

Flooring colours matching corporate identity



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# Design



Corporate  
Flooring c



### Durability - Ease of cleaning

- High abrasion resistance: durability until refurbishment
- Inlaid design through the whole thickness of the wear layer
- Best anti-slip characteristics compared to other SS,



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- Safety

### Operators

- Passenger Safety

**SAFETY**

### Passengers

Safety

### Active security - Anti-Slip Properties

– Dry conditions

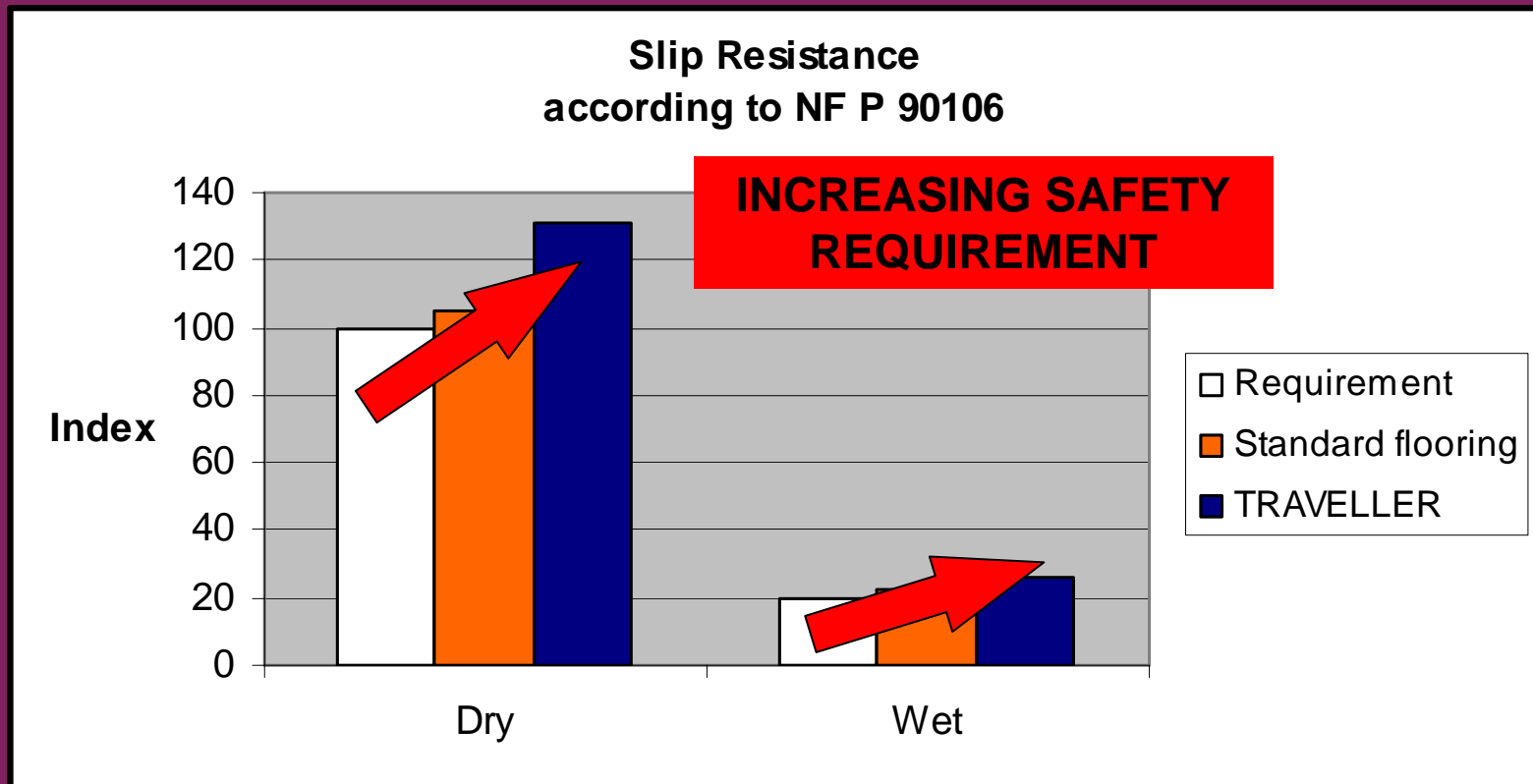
– Wet conditions: rainy days, restaurant coaches



**SAFETY**

Passive security:  
fire resistance...

## Active security - Anti-Slip Properties



### Passive security

- Fire resistance: low fire propagation
- Smoke emissions: find the way to the exit
- Toxicity: low toxic gas emissions

### Passive security



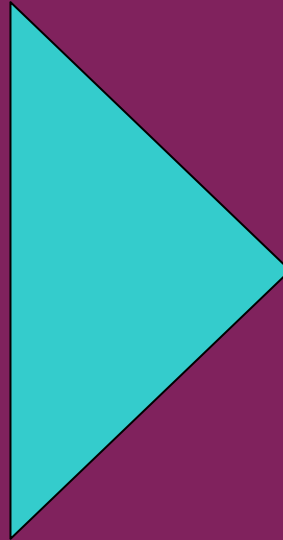
**BS 6853**



**DIN 5510**



**NF F 16 101**



**In 2012**



**EN 45 545**

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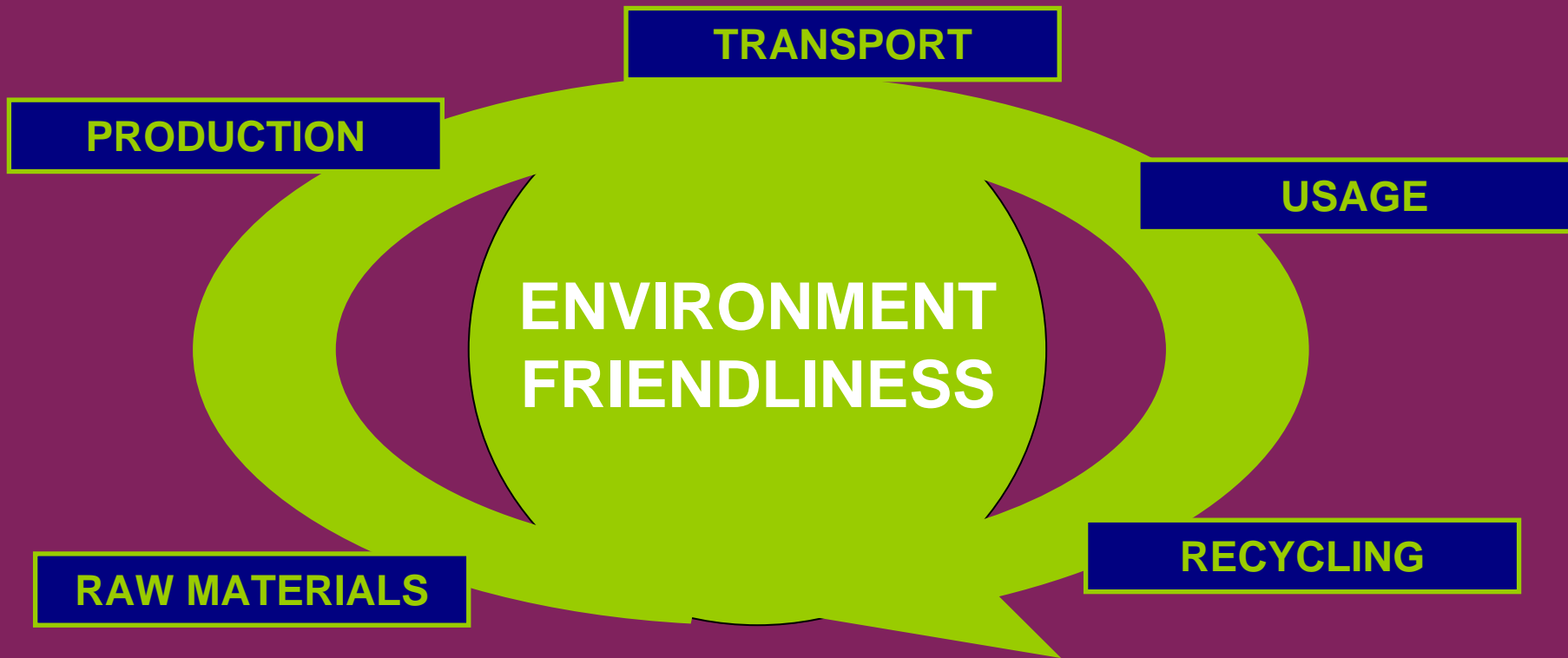
- Energy Consumption

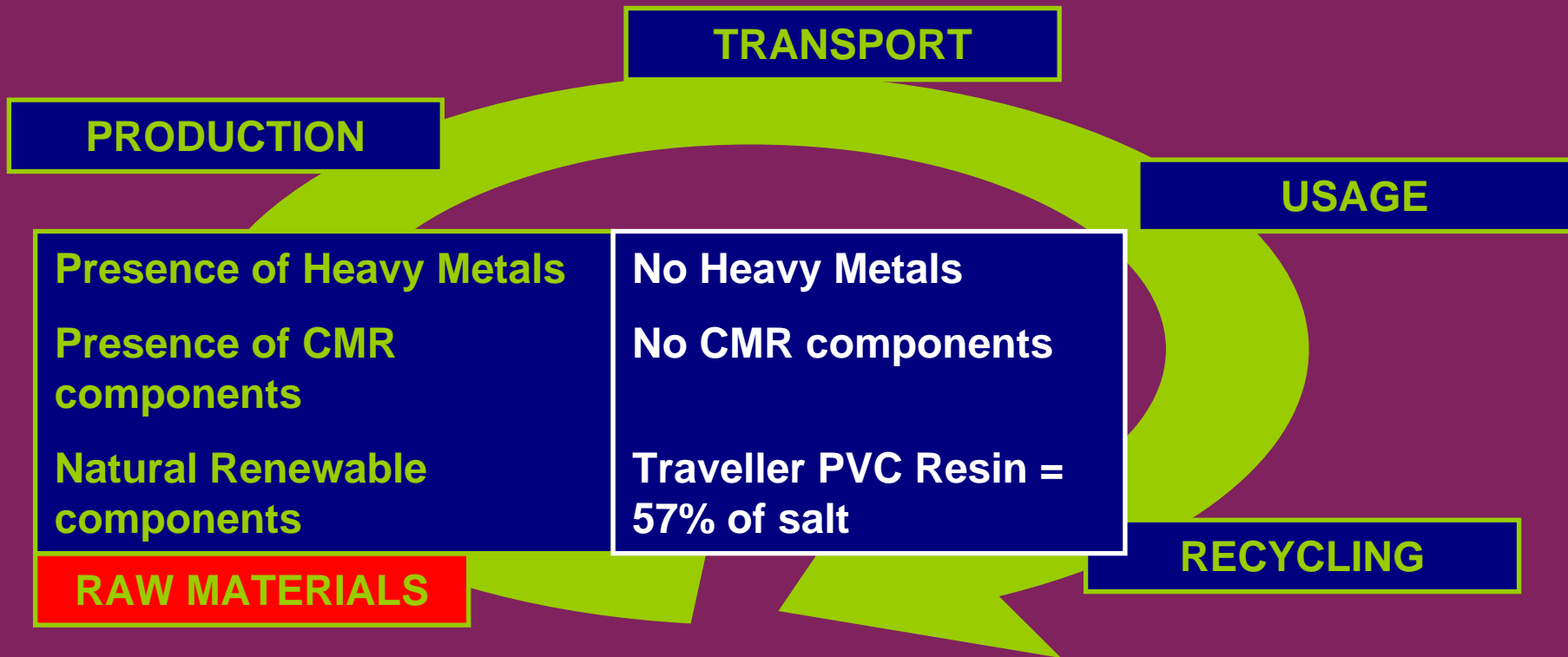
## ENVIRONMENT FRIENDLINESS

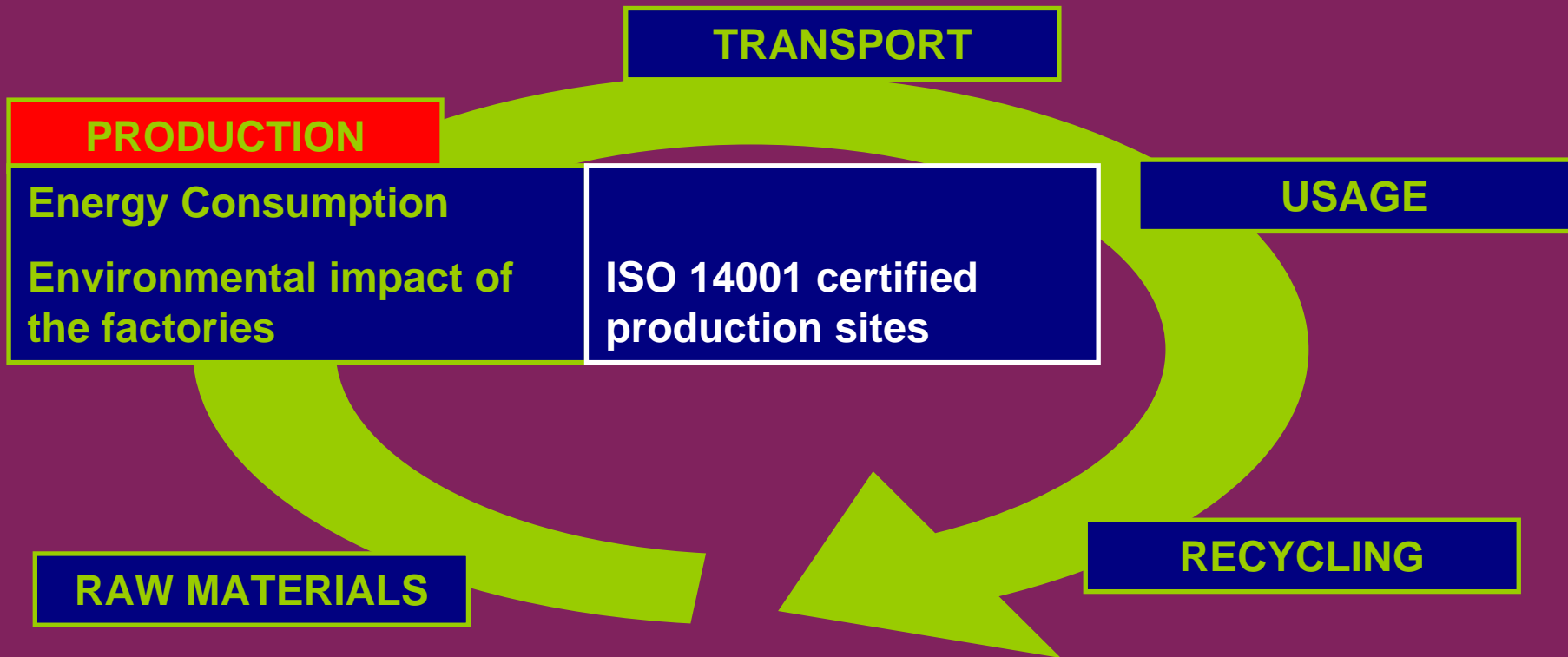
- Growing environmental awareness

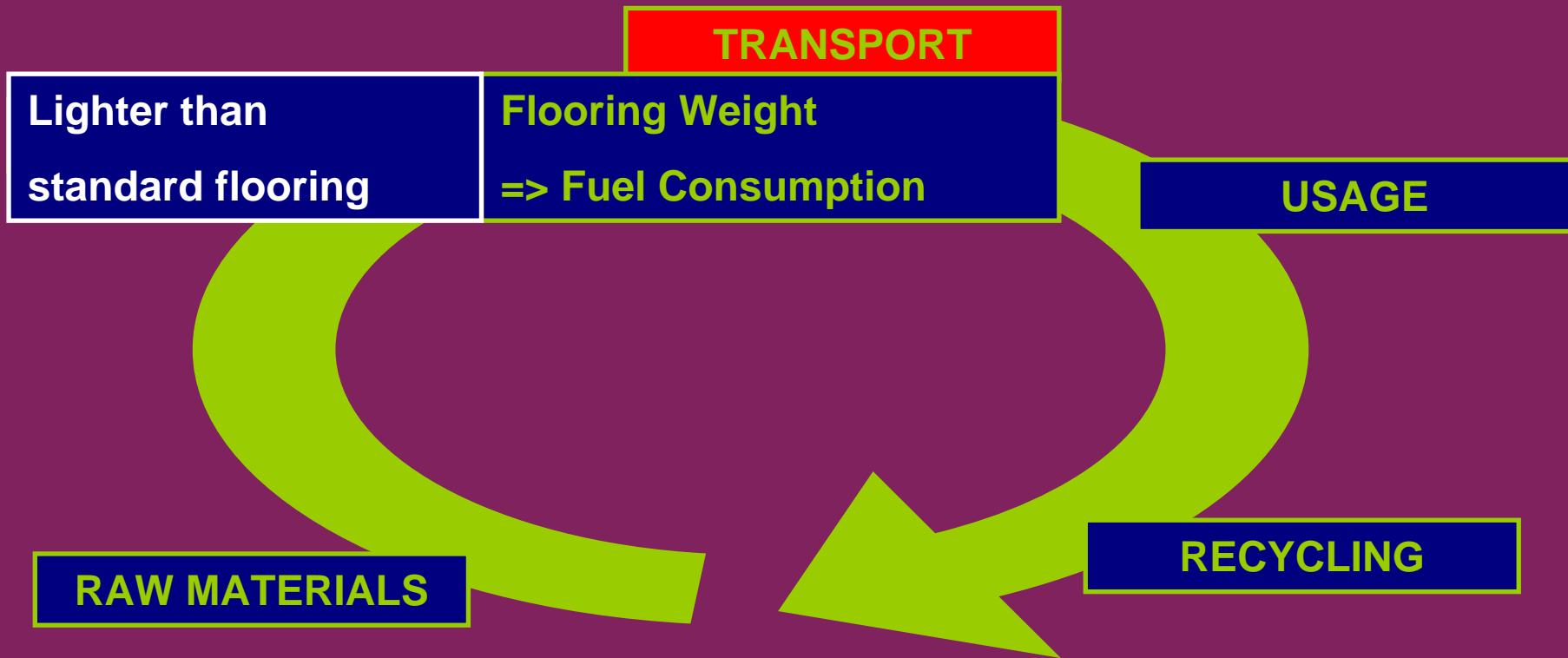
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**Environment**

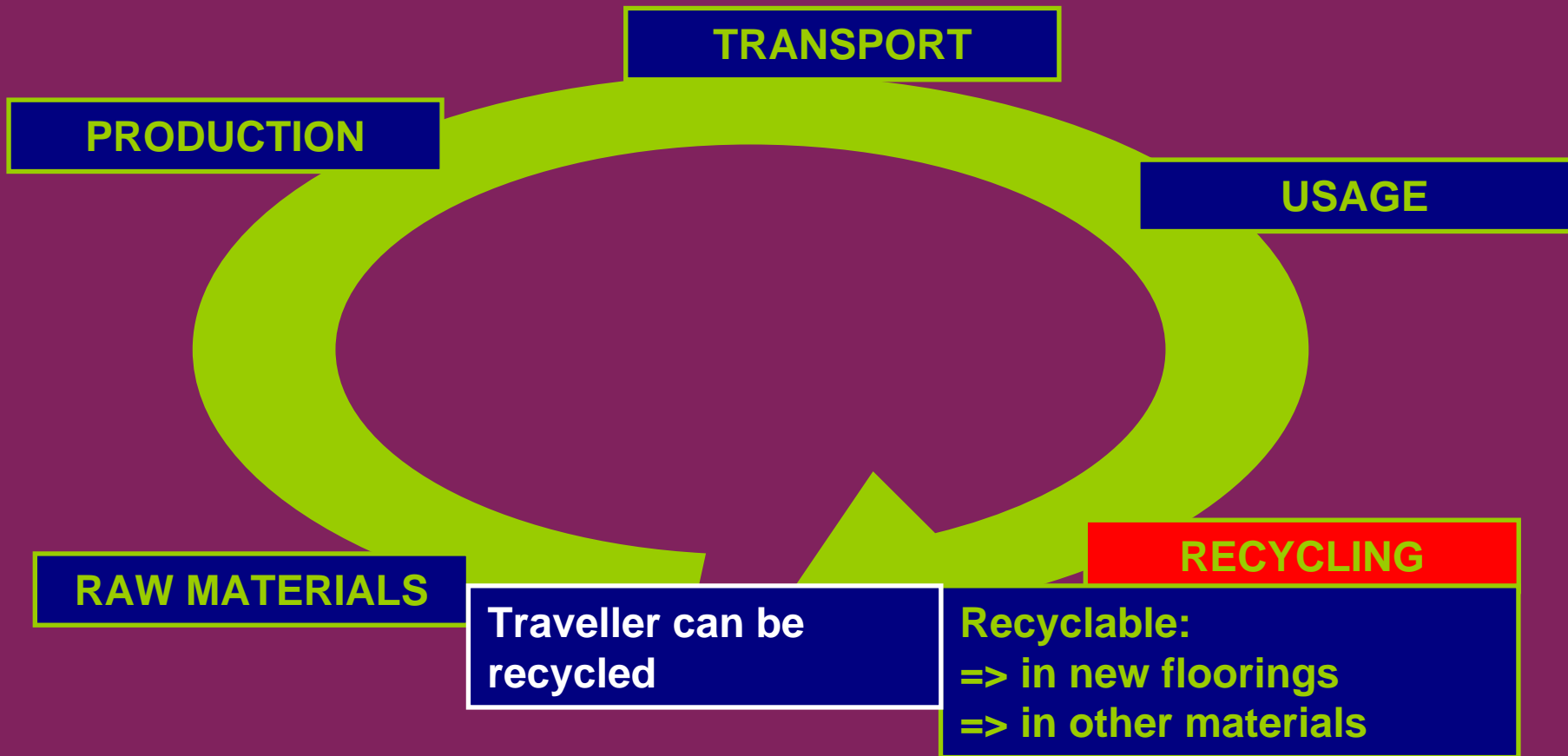






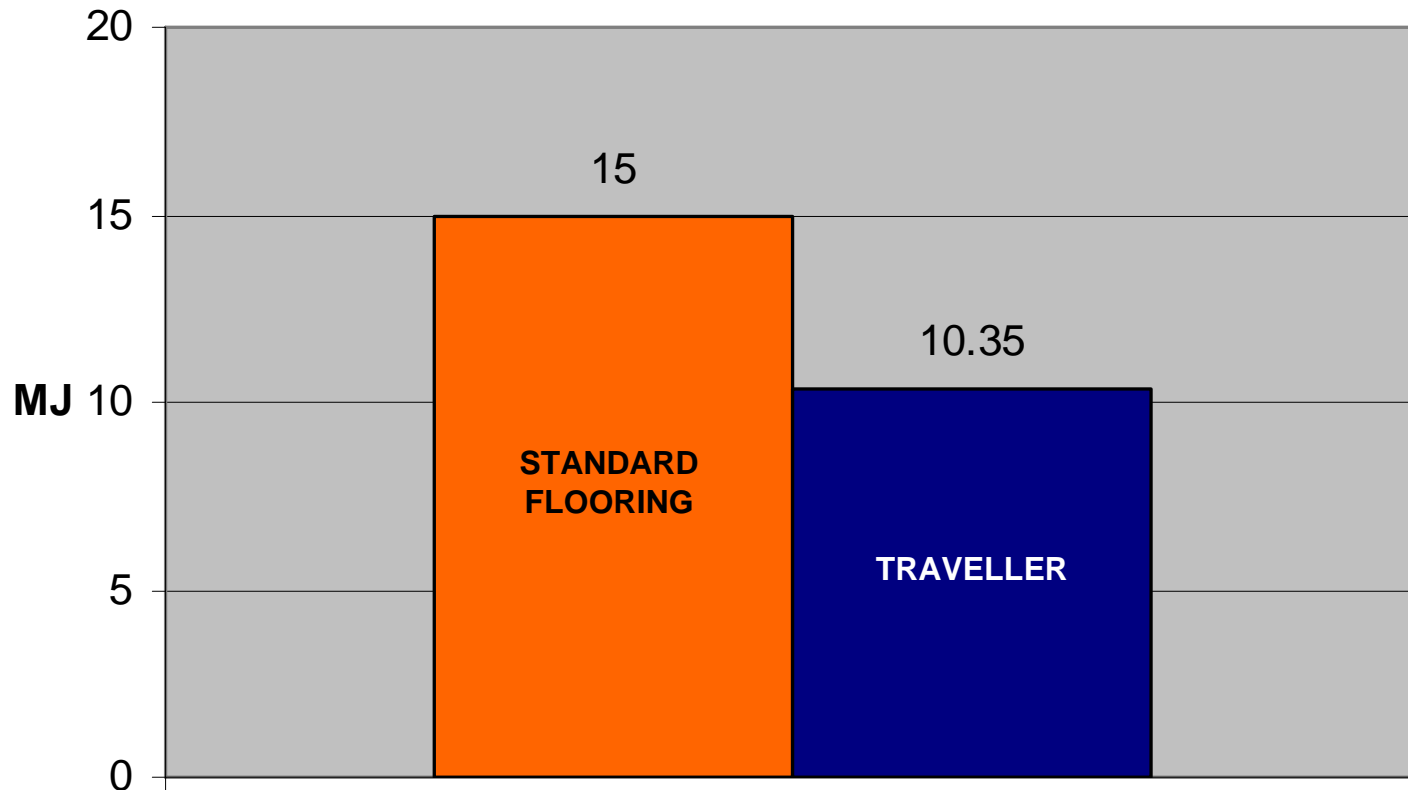


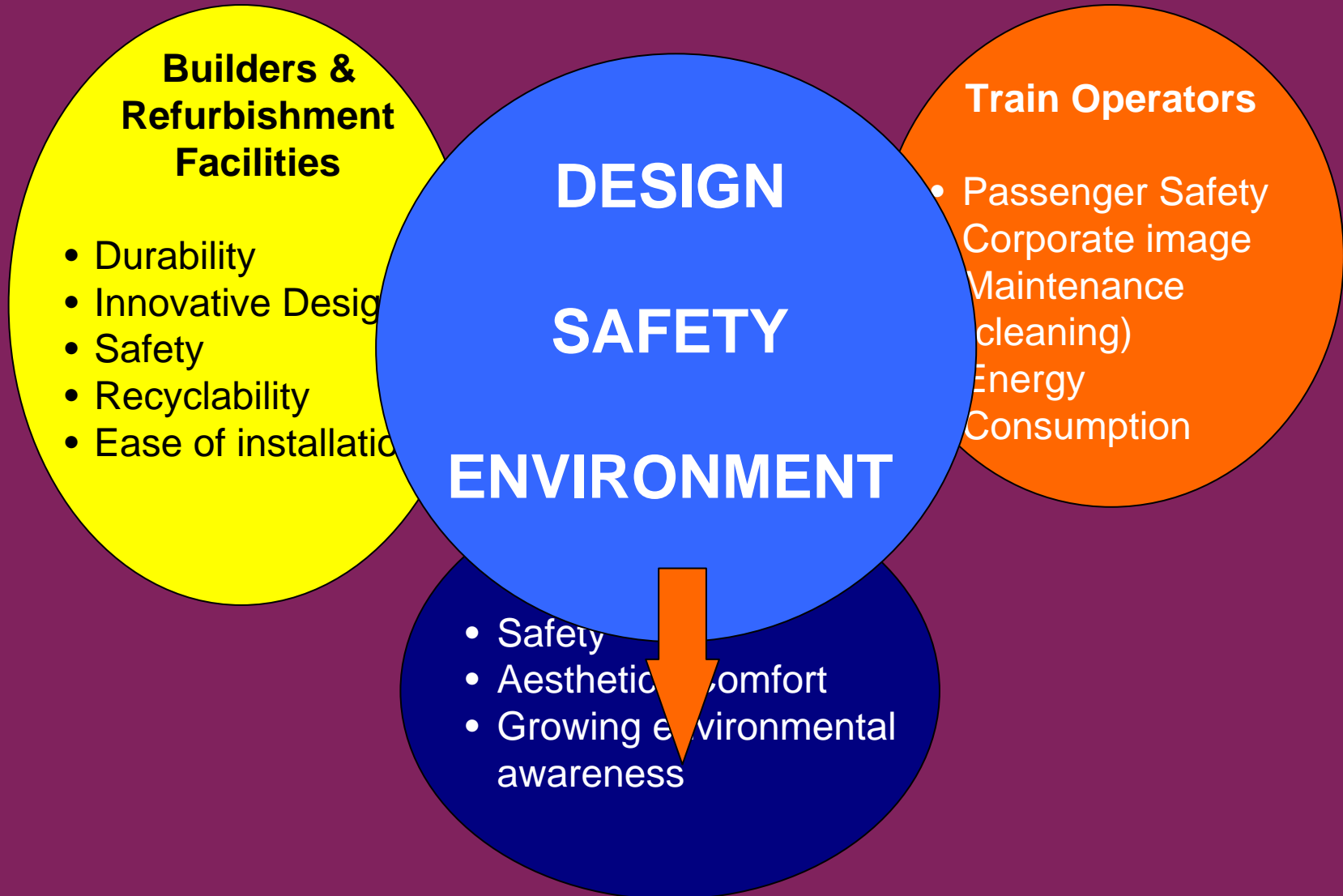




## Energy Consumption

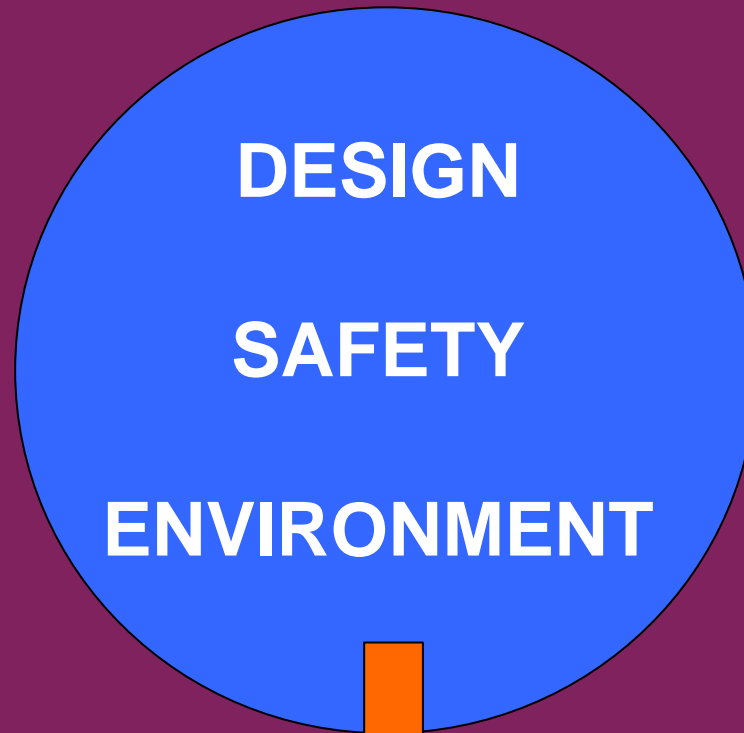
(per m<sup>2</sup> and per year on a whole life basis)





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Conclusion



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**THANK YOU FOR  
YOUR ATTENTION**