Parallel Session 7 – Safety & Security

SPINAPP
synergy between security + energy + environment
methodology and application

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Intermodal, accessible, convenient, sustainable, safe and integrated in urban context
Concept 1: Heterotopia (space)

Front Space

USE
As planned by architect/designer

Back Space

RUSE
Inacceptable

ABUSE
Inacceptable
Concept 2: Authority/operator

Supplier of mobility and community services

- safe and on-time transit
- accessible
- attractive and convenient
- same level of convenience for passengers of all modes
- service level adapted to mode
Hierarchy of cities – hierarchy of interchanges

**High intermediate:**
- a hub for different transport modes on city level
- regional train service
- quality retail
- quality services
- urban station in regional capitals

**Basic:**
- clean station, well kept toilets, correct service information
- parking lot
- a couple of trains and busses per day
- station in remote areas

**Low intermediate:**
- regular train service
- regular bus service
- small retail, cafeteria
- main station in non-capital cities

**Top:**
- a hub for different transport modes on regional and international level
- large scale retail
- integrated city functions
- main national and international station
SPIN APP the start

• Meets passenger expectations from sensorial observation, optimises security, against lowest carbon footprint, improves ROI
• Body of 120 + measurable and monitorable recommendations - international targets and standards
• Focus on renovation and extension of existing stations
• SDG-compliant and TCFD-ready
Climate change + population growth force us to evolve from

- A linear to a circular economy
- Fossil to renewable energy
- Analog to digital communication
- Technologies exist – mind-sets evolve slowly
Objectives

• Prioritise the value of investments
• Maximise security and minimise environmental/energy impact
• Meet expectations of passengers in terms of sensorial observation
• Improve ROI
Sustainable Development

Sustainable development via transversal management between:

• Economic
• Social
• Environmental
The Goal

The goal is to provide:

• Optimal security
• Minimal footprint
• Modal use shifting towards 90% soft mobility by 2030
SpinAPP

The Application combines:

• Security
• Energy
• Water & Waste
SpinAPP Provides

The goal is to provide:

- TCFD-ready data that allows station management to calculate the cost of climate resilience.
Example Station
User Journey

Phase 1: SpinApp Mapping
Phase 2: SpinApp Surveying
Phase 3: SpinApp Report
Phase 4: Further Action Plan
Map Builder
Survey

1. General questions
   - There are areas specified for Brussel Congres

2. Platform
   - General questions
   - Platform 1
     - Does the platform hall offer reference or open views on landmark features on the surface?
       - Yes
       - No

3. General questions
   - Is the energy use divided into areas, lighting, signage, advertising panels, equipment (escalators, ls, lighting etc. per month) and concessions, and if so re details provided?
     - Electricity usage is known and granulated
     - Known but not granulated
     - Not known
Spider Chart
Recommendations

Reports provided:

• Security
• Energy
Thank you

for your kind attention