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SMART STATIONS IN SMART CITIES

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Next Stations: Smart & Inclusive

Cedric Gallais Smart City Program Director, SYSTRA, France Session 2a - Next Station: Smart & Inclusive

UNDER THE HIGH PATRONAGE OF





ORGANISERS







What stations need to fit within a Smart City?

Challenges and opportunities for Cities





NEXT STATION: SMART & INCLUSIVE









What stations need to fit within a Smart City?

Stations designed to be at the heart of the cities evolution









Inclusive Stations

Stations designed with the citizen

Project acceptability – Answering new uses – Better inserted in the local urban tissu



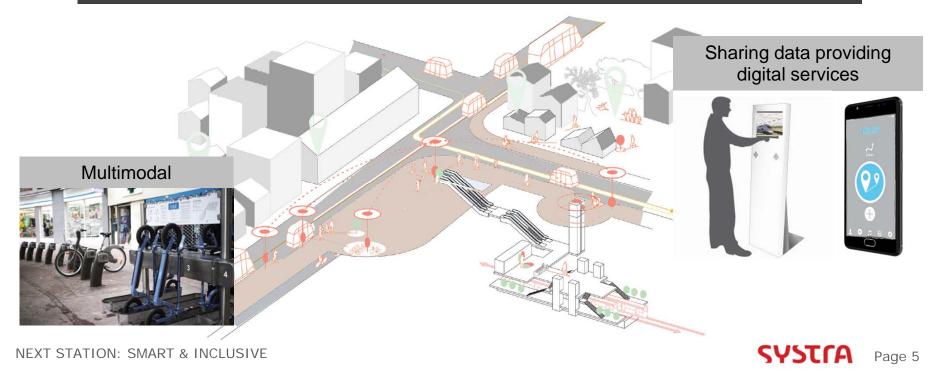
NEXT STATION: SMART & INCLUSIVE





Connected Stations Stations connected to the city

City enters the station and is open to the city connected to the citizen







Smart Stations

Station designed as living organisms

For a revisited passenger experience (ambiance / passengers flow...)



Saint-Lazare "Salle des pas perdus", 2006 NEXT STATION: SMART & INCLUSIVE



Saint-Lazare "Salle des pas perdus", 2016

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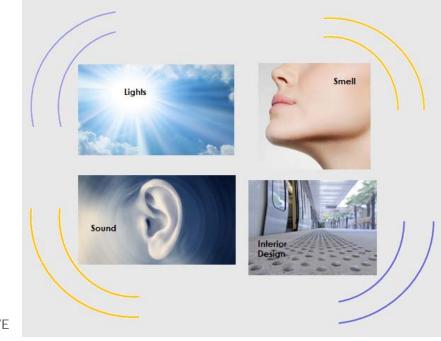
SYSTIA

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Smart Stations

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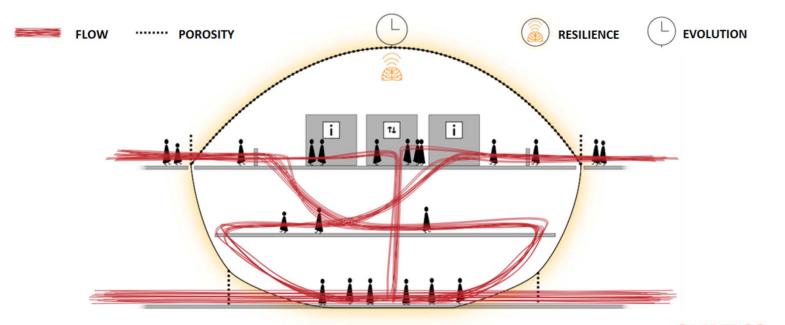




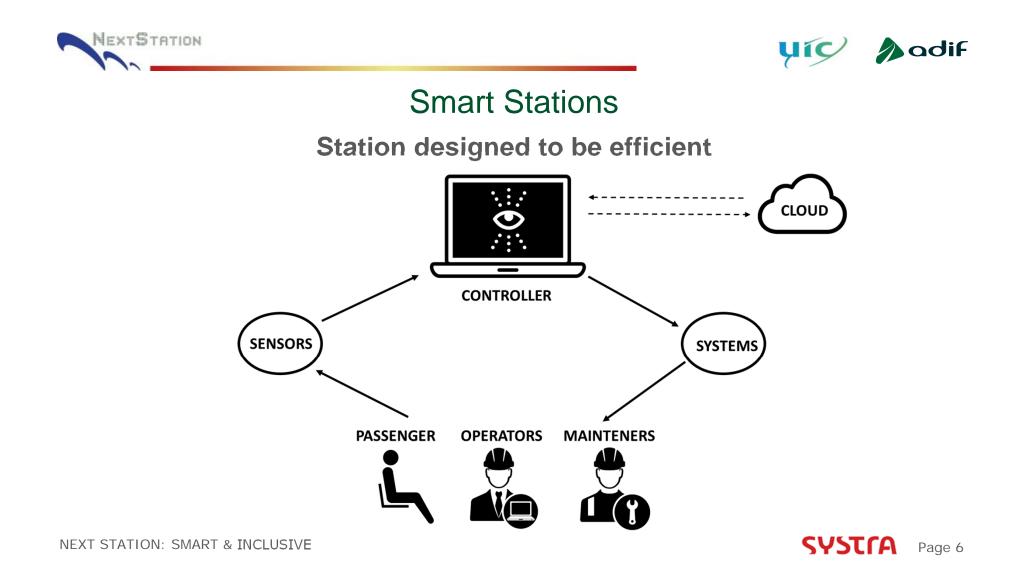
Smart Stations

Station designed as living organisms

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NEXT STATION: SMART & INCLUSIVE







Smart Stations

Station designed to be efficient

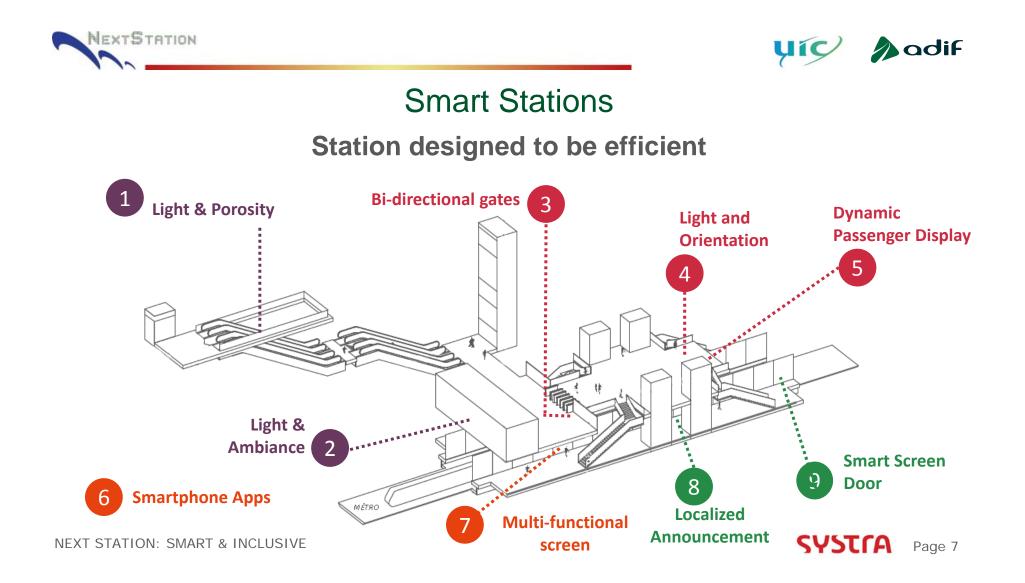
For a revisited passenger experience (ambiance / passengers flow...)



NEXT STATION: SMART & INCLUSIVE











Stations: Inclusive / Connected / Smart Use cases

Smart Lighting

Solution:

- Light porosity Intelligence to adapt the light temperature and intensity to outside light
- Indoor Positioning: Localisation by light. Detect the traveller localisation and give them access to a GPS to travel inside the station.







Solution: Dynamic lighting atmosphere

Travellers Experience

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Stations: Inclusive / Connected / Smart

Use cases

Dynamic signs

Solutions:

Dynamic signs adjust to crowd and linked with illuminated paths (force flow orientations).

Dynamic and/or interactive Information Panels at screen doors.



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Flow Optimisation

Solutions: Dynamic illuminated paths adjusting to crowd and predefined scenarios.







Stations: Inclusive / Connected / Smart Use cases

Smart Screen Door

Solutions:

Lighting sections indicates at each door the wagon free capacity in order for passengers to better position themselves on the platform.

Reduce station stopping times => increase the line capacity

Flow Optimisation





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