



SMART STATIONS IN SMART CITIES

6th International Conference on Railway Stations

Madrid, 19-21 OCTOBER 2017



HOW TECHNOLOGY IS CHANGING ARCHITECTURE

Javier Dahl
Technical assistant manager, ADIF, Spain
Parallel session 2A, Smart Design 8

UNDER THE HIGH PATRONAGE OF



ORGANISERS





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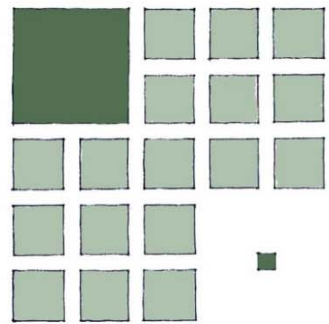
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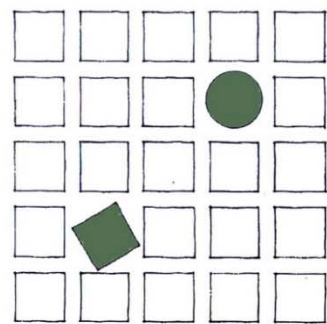
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ADIF'S STATION DESIGN PRINCIPLES



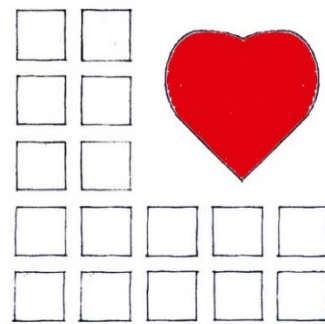
Proportions

+



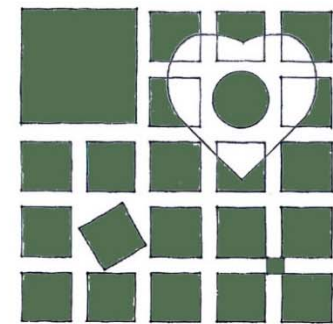
Connections

+



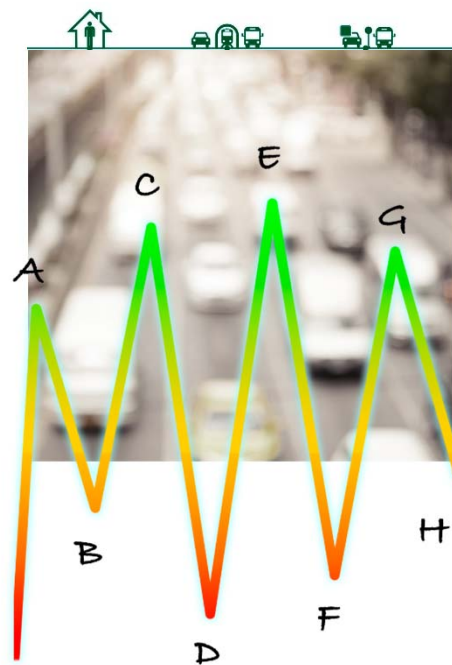
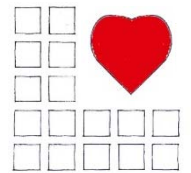
Emotions

=



STATIONS

EMOTIONS: PASSENGER EXPERIENCE GETTING TO THE STATION



A. Enthusiastic. I start my journey

B. How do I get to the station?

C. Great! I know how to get there

D. Will I get there in time?

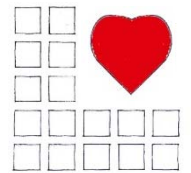
E. Yes! I will be there on time

F. Will I find parking?

G. I've parked my car!

H. Where is the station?

EMOTIONS: PASSENGER EXPERIENCE THROUGH THE STATION



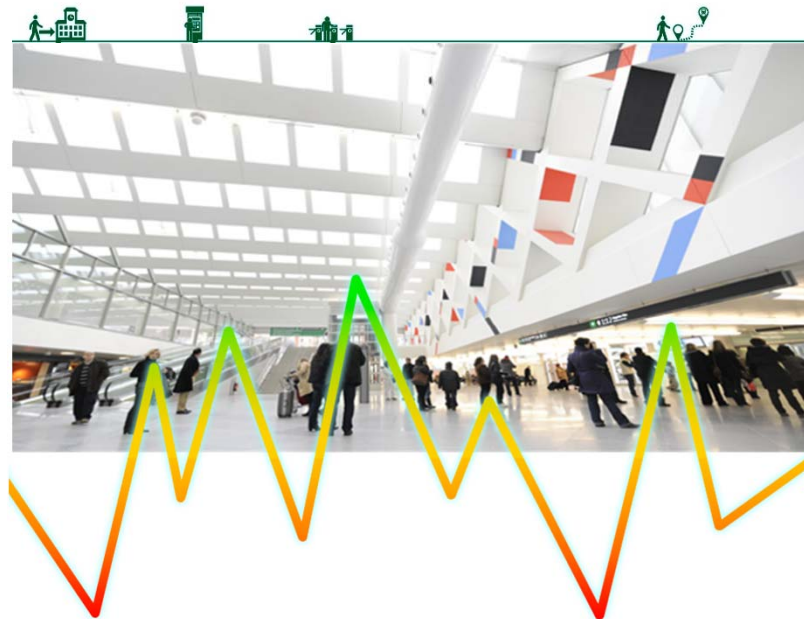
There's the entrance

Where do I buy the ticket?

The auto-sales machine is there

I have doubts...

Doubts resolved!



Can I access with my mobile?

Yes!

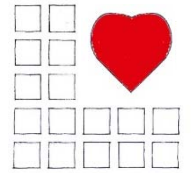
I'm lost

All right! I know
how to get to the platform

I have to wait...
what can I do now?

I can do a lot of things
while I'm waiting

EMOTIONS: PASSENGER EXPERIENCE ON THE PLATFORM



I'm comfortable

I'm already on the platform

Where should I wait?

I'm already sitting on my seat!

Will I arrive at my destination on time?

Everything went perfect!

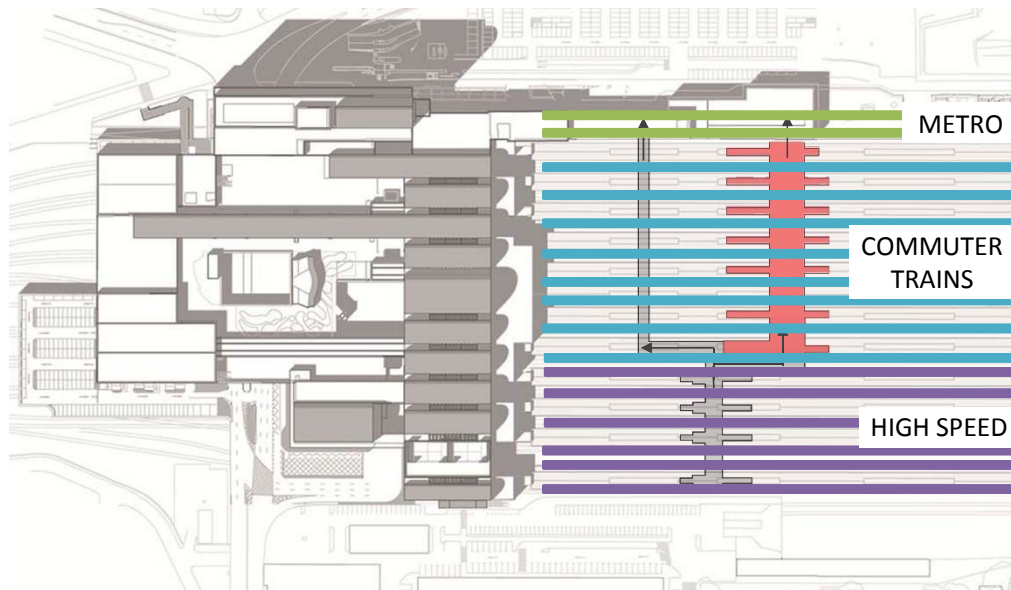


TECHNOLOGY TO IMPROVE



HOW TECHNOLOGY IS CHANGING ARCHITECTURE

COMMUTER TRAINS CONCOURSE IN MADRID-CHAMARTÍN



PLAN

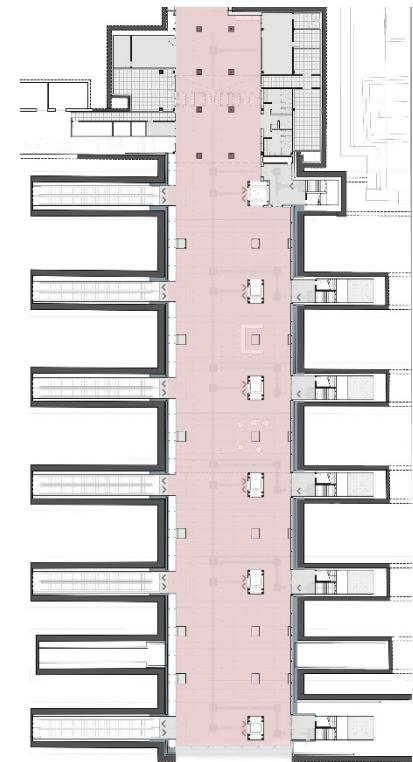


CURRENT STATE

A NEW LIFE FOR AN OLD FACILITY



FINAL DESIGN



PLAN

HOW TECHNOLOGY IS CHANGING ARCHITECTURE

A NEW LIFE FOR AN OLD FACILITY - VIDEO

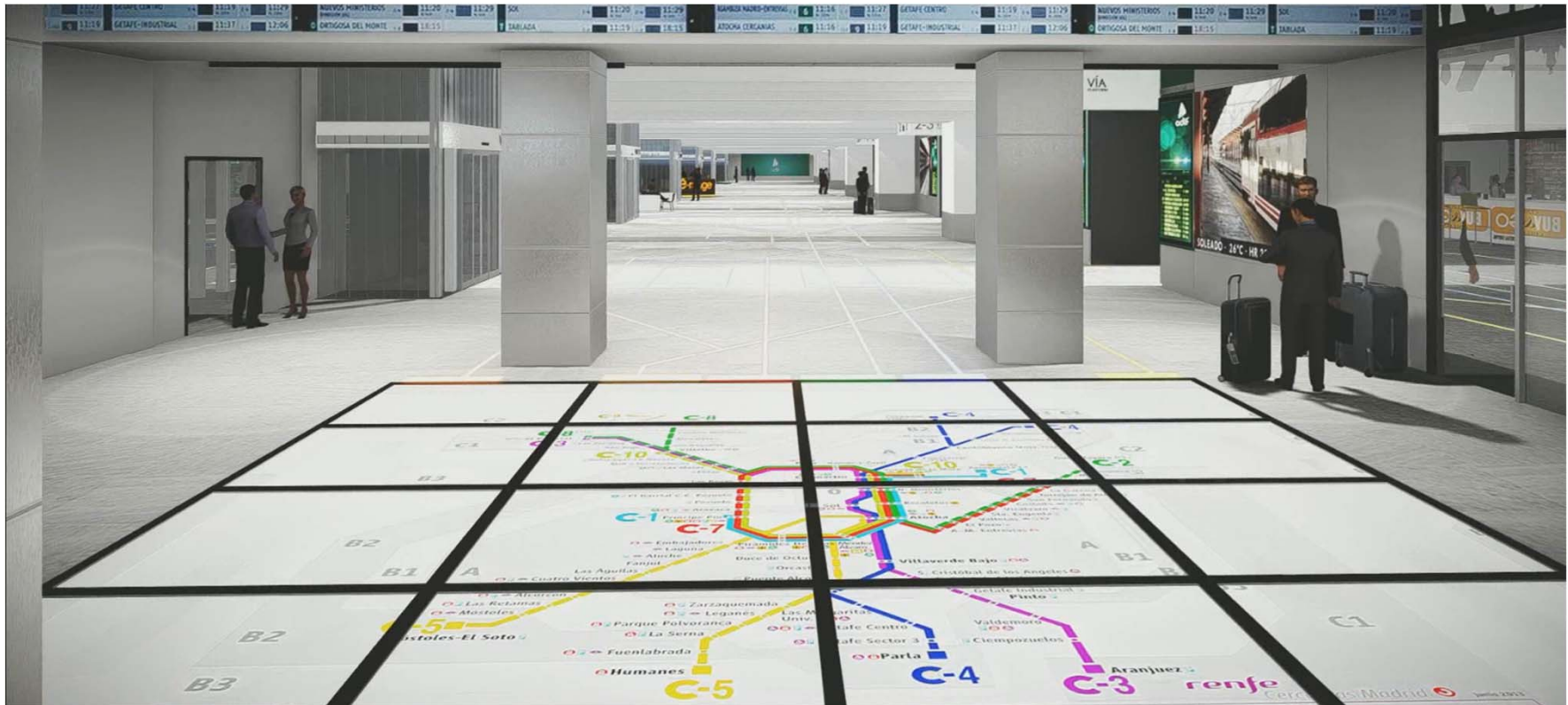
HOW IS TECHNOLOGY CHANGING ARCHITECTURE?



HOW TECHNOLOGY IS CHANGING ARCHITECTURE

SMART DESIGN: EMOTIONS

TECHNOLOGY MAKES A DIFFERENCE IN THE PASSENGER EXPERIENCE



HOW TECHNOLOGY IS CHANGING ARCHITECTURE

SMART DESIGN: NEW MATERIALS, COLORS, TEXTURES

A NEW VALUE TO ARCHITECTURE



HOW TECHNOLOGY IS CHANGING ARCHITECTURE

SMART DESIGN: NEW TOOLS & NEW TEAMS

A NEW CHALLENGE IN THE DESIGN PROCESS



THANK YOU
GRACIAS

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Javier Dahl. ADIF
jdahl@adif.es
www.adif.es



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