

I design, build and operate AI agents and LLM-based applications for enterprise environments – from RAG pipelines and tool-calling orchestration to integration with business platforms, APIs and data, deployment and monitoring.

Software engineer and technical lead with a long track record delivering digital products for organisations such as NEOM, CaixaBank, Inditex, HP, FC Barcelona and Mobile World Capital. I work at the intersection of technology, data and business processes, turning AI into measurable value: automated analysis, reporting and decision support.

Generative & Agentic AI

LLM agents (tool calling, multi-agent orchestration, MCP) · RAG pipelines (Supabase pgvector, LlamaIndex) · Claude, GPT-4o and Gemini APIs · prompt engineering · model fine-tuning · agent evaluation, monitoring & alerting · guardrails and data-sovereignty by design

Cloud & Data platforms

Azure AI Foundry / Azure OpenAI (hands-on, POC level) · Databricks (hands-on, POC level) · PostgreSQL / Supabase · AWS · GCP · Vector Databases · REST APIs and enterprise integrations

Software engineering

Python · JavaScript · PHP · Git / GitHub, CI/CD pipelines · Docker / DDEV · Drupal 10/11, WordPress, Shopify · Web & iOS app development · Unreal Engine · Unity · OpenFrameworks · TouchDesigner

Voice & multimodal AI

Deepgram STT · ElevenLabs TTS · Conversational avatars · ComfyUI / Flux / LoRA · Custom training Models · Large inferences

Project management · Technical leadership · Client and stakeholder communication · Product ownership from concept to production · Public procurement bidding

Dani Costa

Barcelona · danielgonzalezcosta@gmail.com · +34659699395

AI Engineer · Agentic Systems, LLM Applications & Technical Lead

Diploma degree in Telecommunications
Bachelor's degree in Fine Arts
Master's Degree in Graphic Design & Digital Media
Technical Strategic Consultant
Founder of lume.office

NEOM Bay Strategy
NEOM Livability Design Principles
NEOM Integrated Strategy (IS)
NEOM Projects. The Spine Animations
NEOM Designs Experience APP
NEOM Bay Mansions App
NEOM Mountain Mansions App
NEOM Bay Masterplans App
NEOM The Line FB#01
NEOM Board Presentations Website & App
NEOM Museum
NEOM Gulf of Aqaba Sci-Fi Ideation Imagery App
NEOM Project Y App
NEOM Masterplans. VR & APP Development
NEOM The Line Public Exhibition. Riyadh
NEOM Enowa Generation Sites
NEOM Magna FB#09
NEOM Magna FB#10
NEOM Magna FB#12
NEOM Magna FB#15
NEOM Shushah FB#12. APP Development
NEOM Mobility Platform
NEOM Tabuk Buffer. APP Development

VESTAS. Wind Space. Madrid - Interactive Dev.
FCB. Fútbol Club Barcelona Museum. Barcelona
DEXEUS Foundation. Be a Woman, today Exhibition
Naval Museum Exhibition Madrid - Interactive Dev
Exhibition MIPIM Cannes – AV Interactive Installation
Fira Barcelona – Web/App Development
MWCongress Barcelona / Shanghai
EMAV – Web/App/ Alumni Digital Portfolio Tool
Barcelona Fire Museum - Interactive Dev
Barcelona Stand at IOT Solution World Congress
HP – Customer Experience User Journey
Cosmo Caixa - Barcelona Science Museum.
Experiment 2100. Tech Consultant / Lead Developer
Kuwait Science Museum (Sheikh Abdullah Al Salem Cultural Centre). Periodic Table Interactive Installation
EVERIS Living Lab. Tech Consultant / Lead Dev
Colonial. AV Installation / Live Experiences. Lead Dev
FCB. Fútbol Club Barcelona. Haikou Experience
Museum. China - Tech Consultant / Lead Developer
Massimo Dutti. New Typography Project
Helmut Newton. Fact & Fiction - Video Installation
ZARA. Shaping Today X Tomorrow Exhibition
KSP Aviation Museum. Riyadh

Main clients

NEOM

INDITEX

HP – Hewlett-Packard

La Caixa

FCB – Fútbol Club Barcelona

Seat / Cupra

MWC – Mobile World Congress

ISE – Integrated Systems Europe

Barcelona City Council

Fira Barcelona

...

Main projects

VESTAS. Wind Space. Interactive Installation. Madrid

FCB. Fútbol Club Barcelona Museum. Barcelona

DEXEUS Foundation. Be a Woman, today Exhibition. Barcelona

Naval Museum Exhibition. Madrid

Fira Barcelona. Web Development / App Development

MWCongress. Barcelona / Shanghai

Barcelona Fire Museum. Barcelona City Council

IOT Solution World Congress. Barcelona

HP (Hewlett-Packard). Customer Experience User Journey

Cosmo Caixa. Barcelona Science Museum. Experiment 2100.

Kuwait Science Museum (Sheikh Abdullah Al Salem Cultural Centre)

EVERIS Living Lab. Barcelona

FCB. Fútbol Club Barcelona. Haikou Experience Museum. China

Massimo Dutti. New Typography Project

ZARA. Shaping Today X Tomorrow Exhibition

KSP Aviation Museum. Riyadh

Project Management
AI LLM & Software Development
API Integration
Process Automation

Productos

Structured Finance



Agentes

 Análisis de Due Diligence	 Screening de Oportunidades
 Preparación de presentaciones	 Monitorización y Alertas ● ACTIVO
 Modelización financiera asistida ● ACTIVO	

AGENTES ACTIVOS

Monitorización y Alertas	1
Modelización financiera asistida	1

Informes y reporting

Informes Predefinidos + Historial

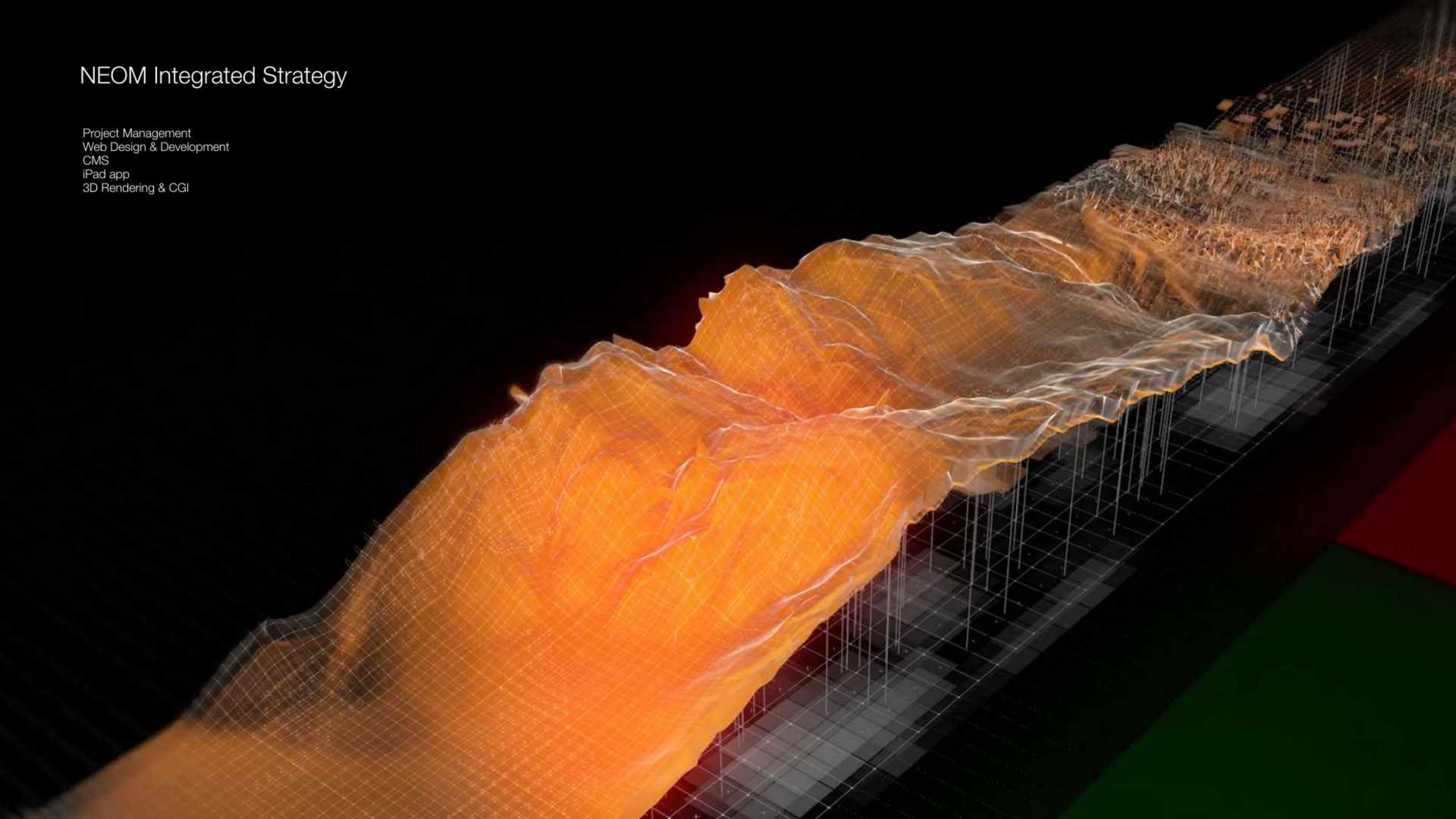
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 Grandes Operaciones - Structured Finance / Último año / Structured Finance / Operaciones > 200M€ / Internacional	>
 Informe Genérico de Productos / Últimos 6 meses / Genérico Productos / Operaciones > 200M€ / Internacional	>
 Informe Genérico de Industrias / 2S 2025 / Genérico Industrias / >\$200M / Internacional	>
Monoproducto - Structured	

¿Cómo puedo ayudarte?



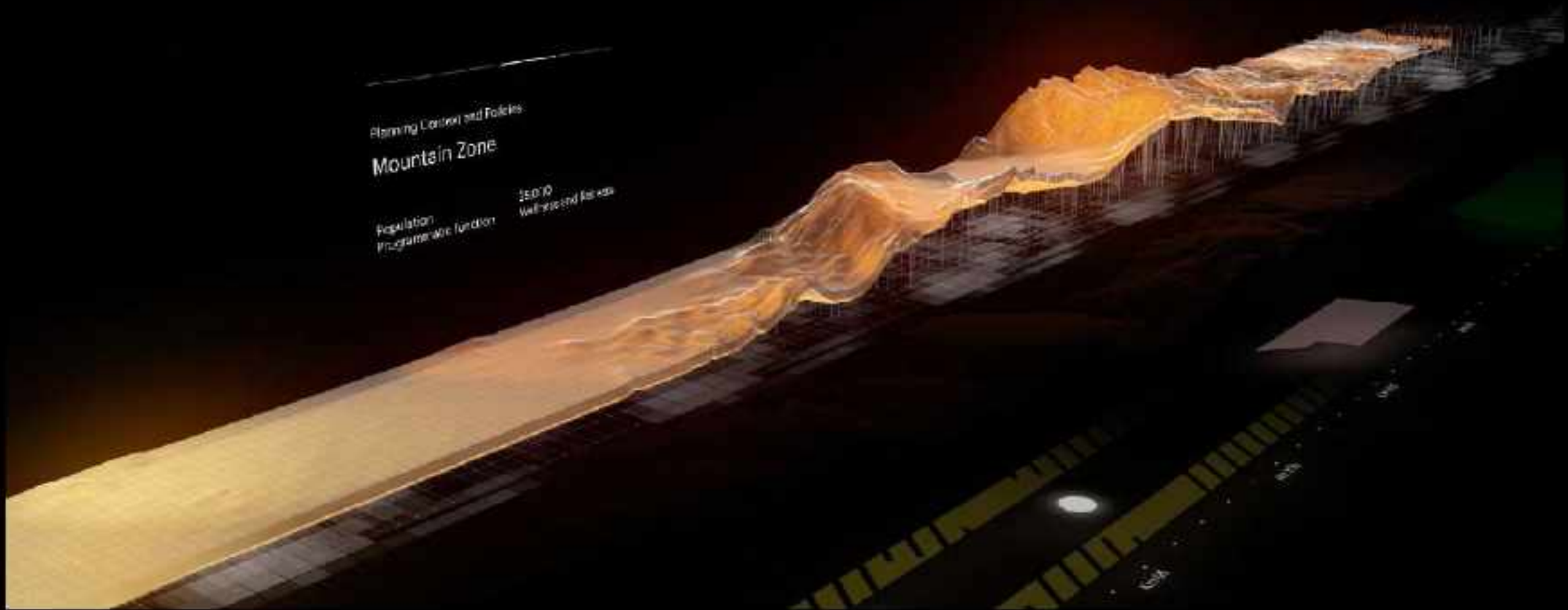
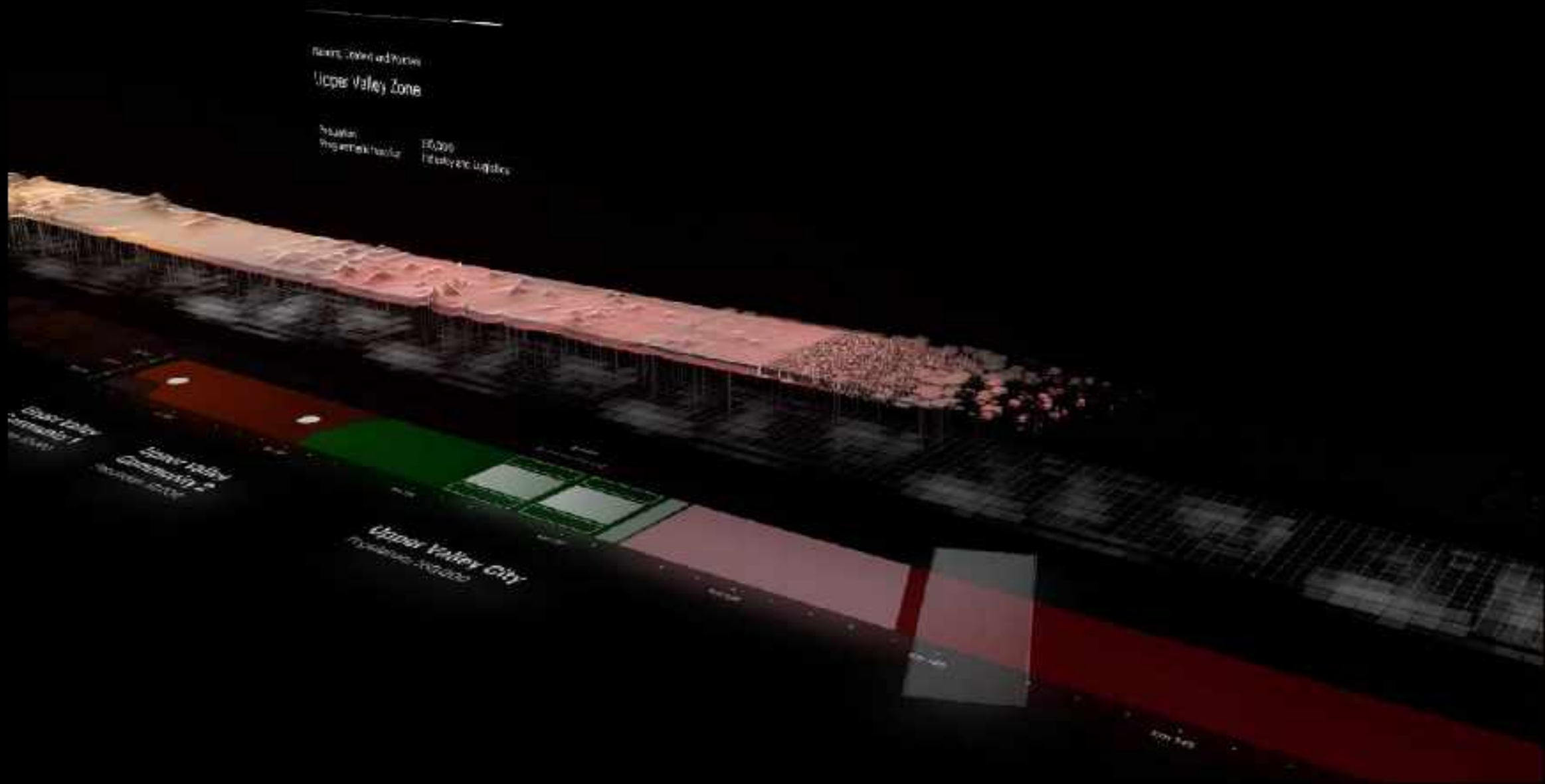
NEOM Integrated Strategy

Project Management
Web Design & Development
CMS
iPad app
3D Rendering & CGI



NEOM Integrated Strategy

- Project Management
- Web Design & Development
- CMS
- iPad app
- VR Application
- 3D Rendering & CGI



MAGNA FB#12

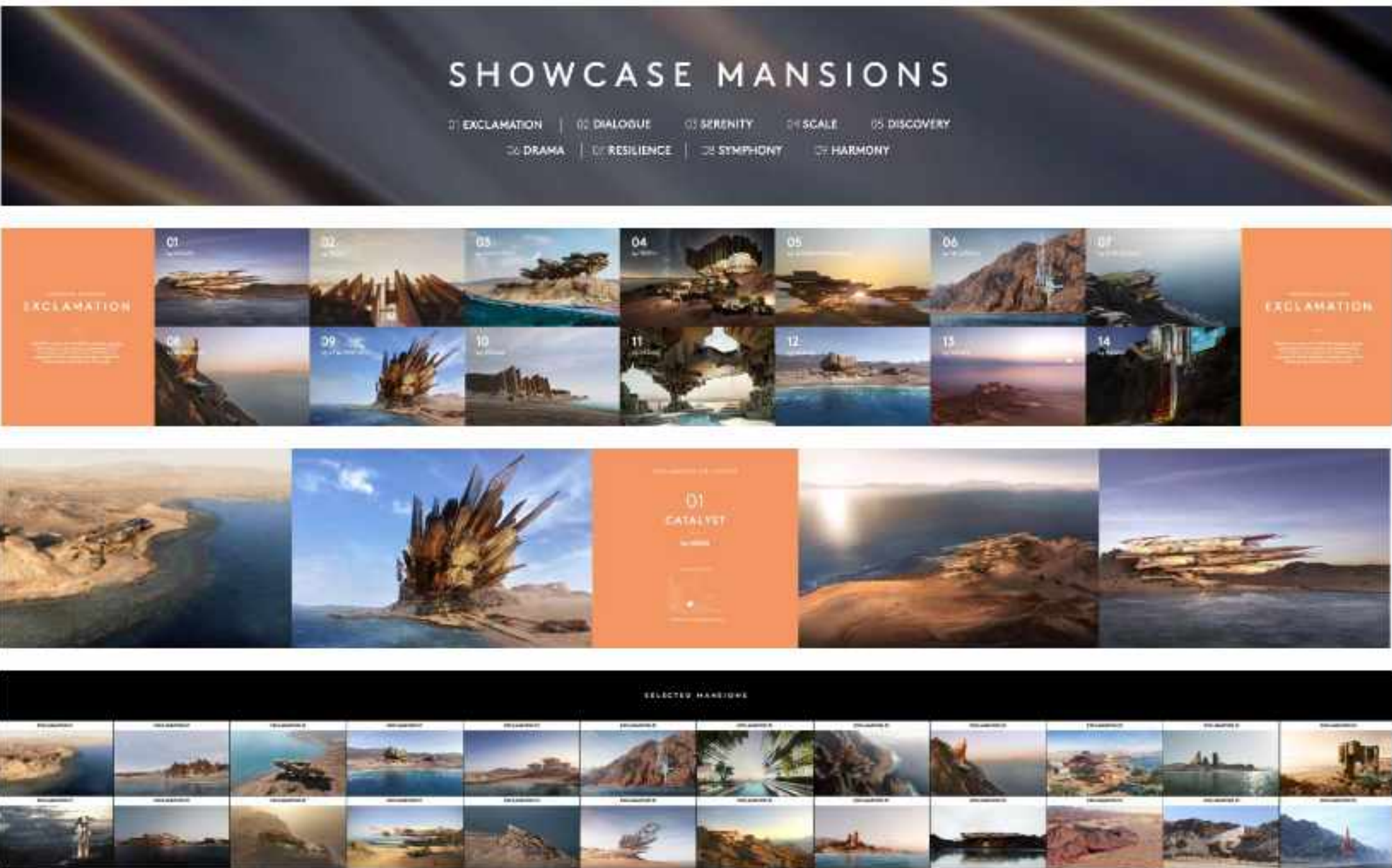
Project Management
CMS
Controller Application
Catalog App

SHOWCASE MANSIONS EXCLAMATION

MAGNA, as a component of the NEOM initiative, also articulates a novel vision of the future—one that is unapologetically innovative and exuberant. MAGNA's vision expresses the longing for a transformation in the conception of ideas for future living and celebrates novel ideas and approaches.



Screen



Controller



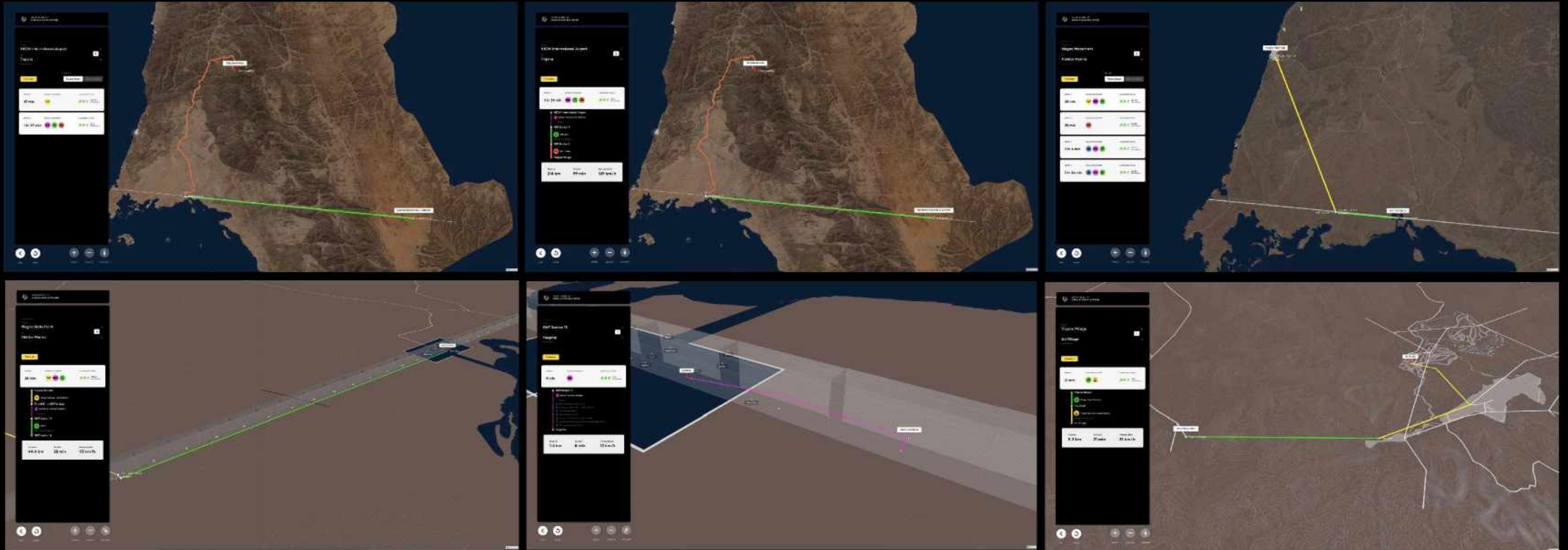
MAGNA FB#15

Mansions Showcase Interactive Installation
Project Management
CMS for Exhibition Content Control
Exhibition Content App
iPad Exhibition Controller
Desktop Controller App



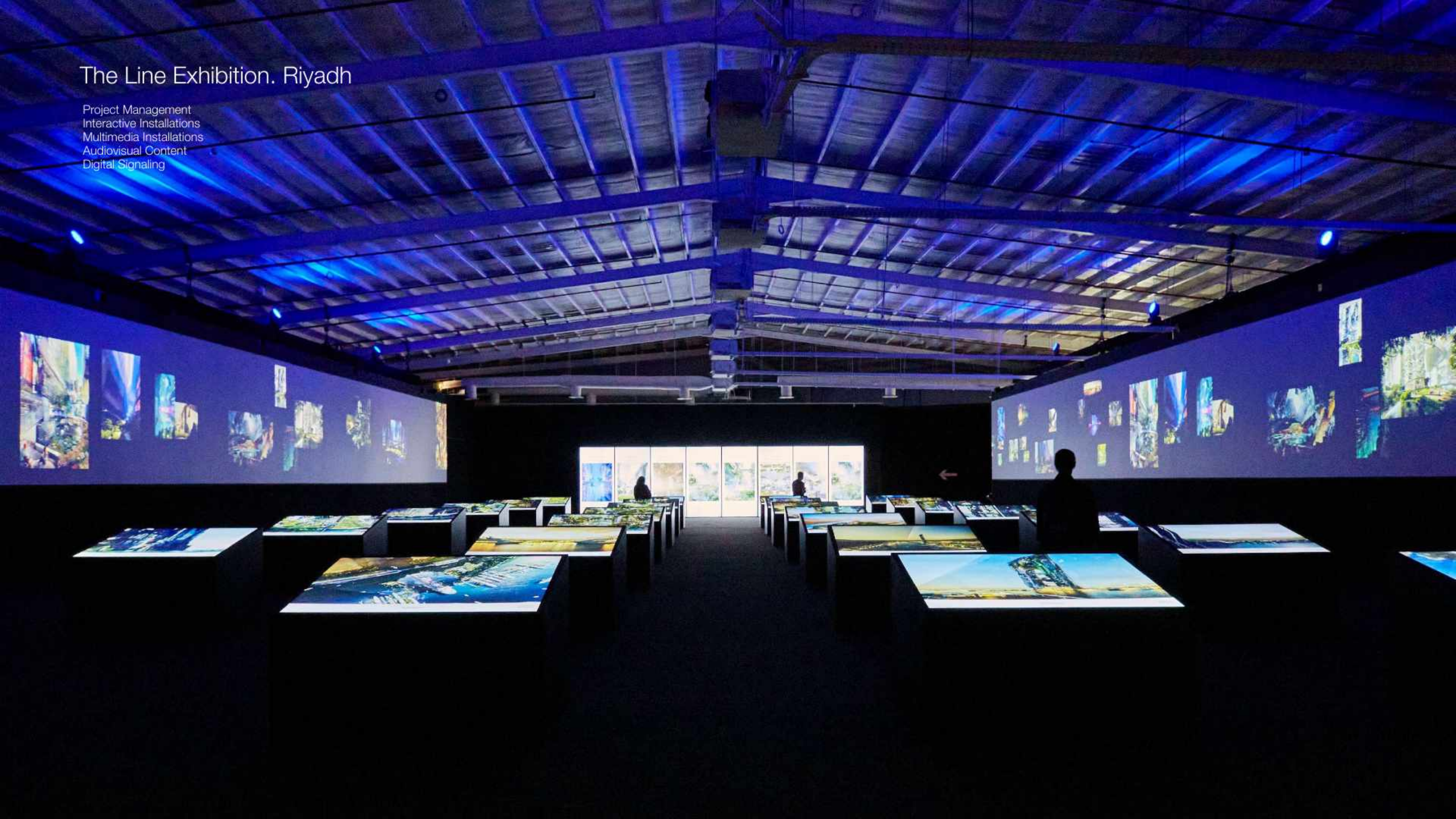
NEOM Mobility. Simulation Platform

Project Management
UX Design & Integration
Platform Development
Routing and Directions Server Development
Route Planner Development
Tile Server Development
Audiovisual Content Creation



The Line Exhibition. Riyadh

Project Management
Interactive Installations
Multimedia Installations
Audiovisual Content
Digital Signaling



The Line Exhibition. Riyadh

Project Management
Interactive Installations
Multimedia Installations
Audiovisual Content
Digital Signaling



FC Barcelona Museum Haikou

Project Management
Interactive Installations
Multimedia Installations
Audiovisual Content



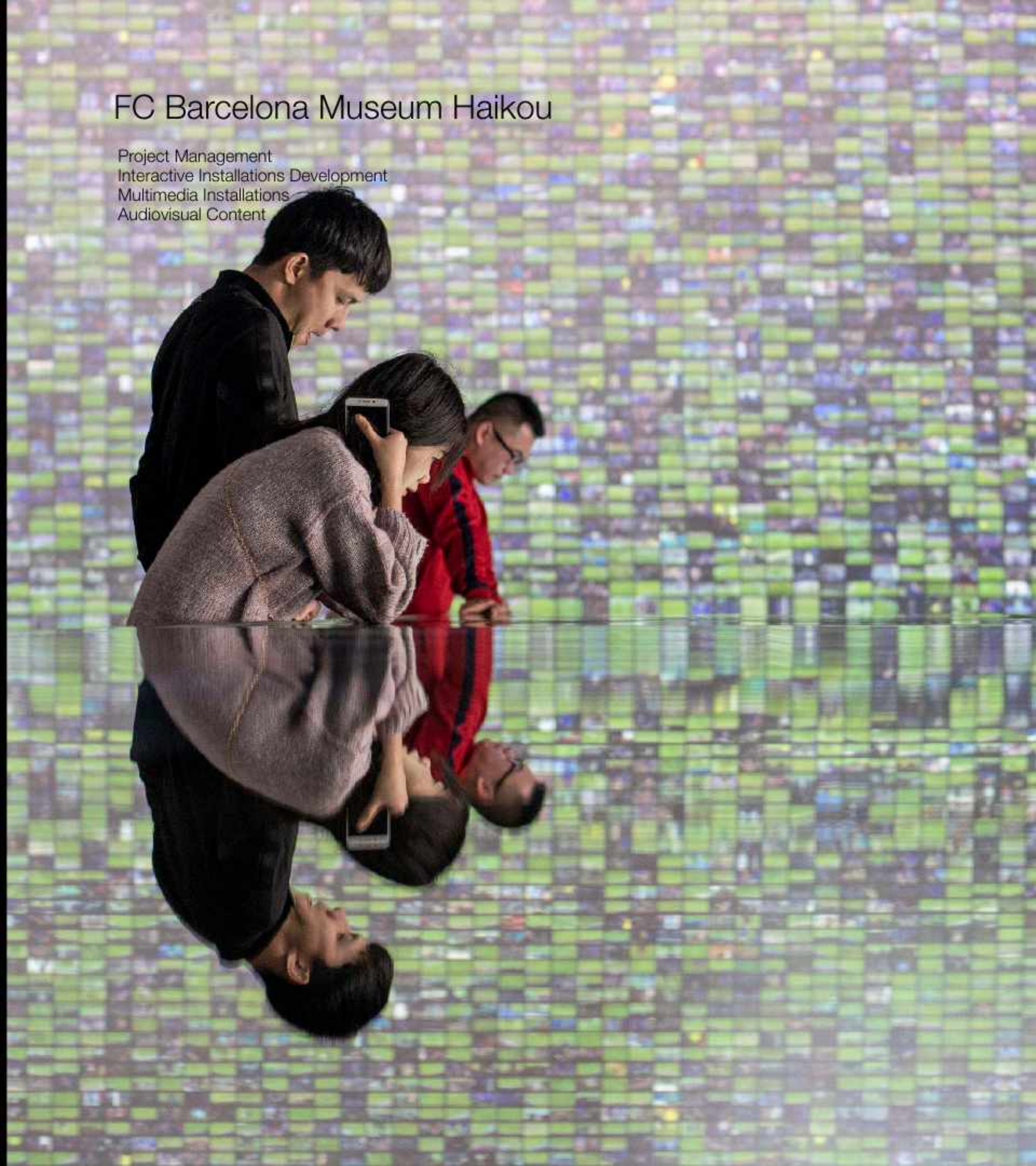
FC Barcelona Museum Haikou

Project Management
Interactive Installations
Multimedia Installations
Audiovisual Content



FC Barcelona Museum Haikou

Project Management
Interactive Installations Development
Multimedia Installations
Audiovisual Content



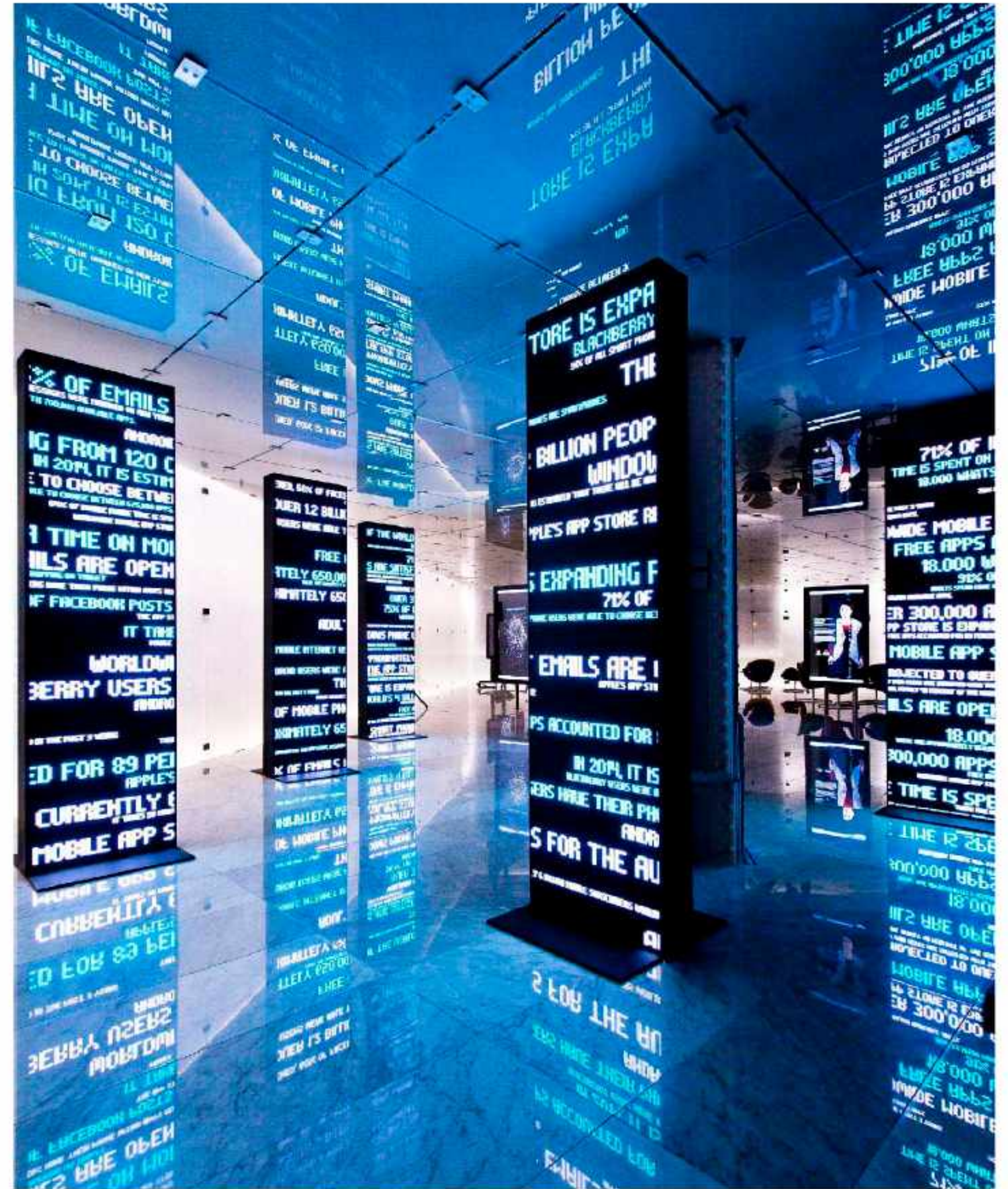
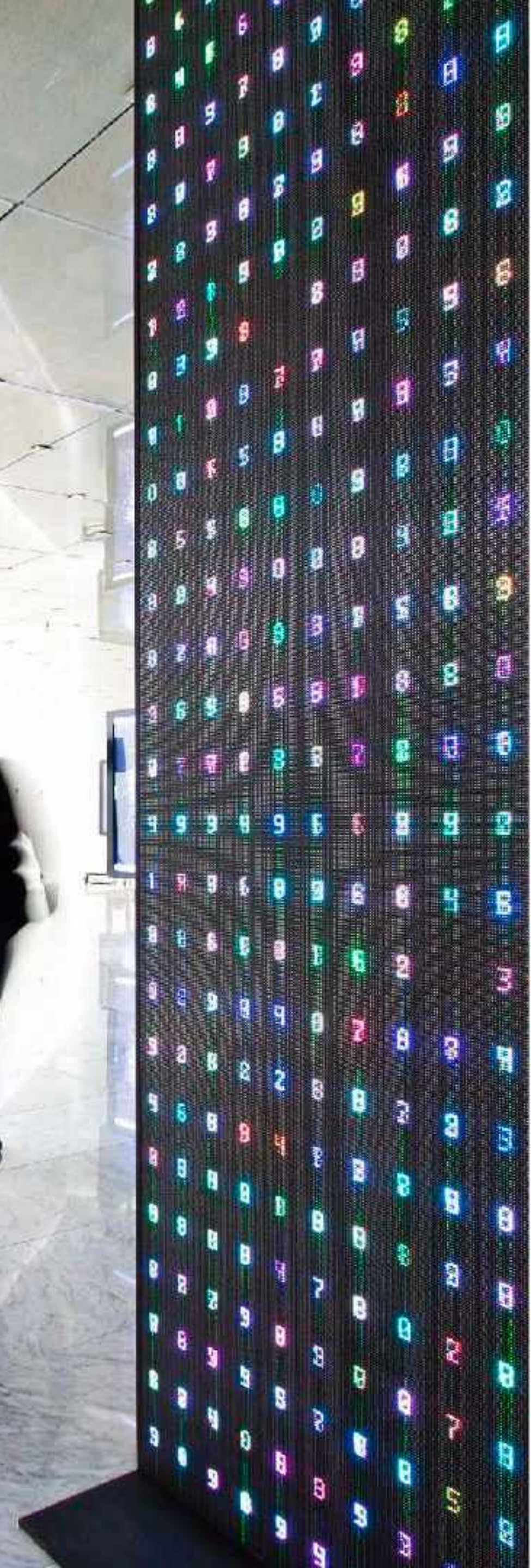
Mobile World Centre

Project Management
Interactive Installations Development
Multimedia Installations
LED Programming



Mobile World Centre

Project Management
Interactive Installations Development
Multimedia Installations
LED Programming



Cosmo Caixa. Experiment 2100 Exhibition

Project Management
Interactive Installations Development
Multimedia Installations



EL FUTUR IMAGINAT

EL FUTURO IMAGINADO
THE IMAGINED FUTURE

El sor del futur

En 1849, el futurismo...
El sor del futur...
El sor del futur...

El shock del futuro

En 1911, el futurismo...
El shock del futuro...
El shock del futuro...

The shock of the future

About 300 or 400 years ago, our ancestors...
The shock of the future...
The shock of the future...

We live in the so-called shock of the future...
The shock of the future...
The shock of the future...

Project Management
Interactive Installations Development
Multimedia Installations

MEGATENDENCIAS: ¿QUÉ OCURRIRÁ DE AQUÍ AL 2100?
MEGATRENDS: WHAT WILL HAPPEN BETWEEN NOW AND THE YEAR 2100?

MEGATENDENCIAS: ¿QUÉ OCURRIRÁ DE AQUÍ AL 2100?
MEGATRENDS: WHAT WILL HAPPEN BETWEEN NOW AND THE YEAR 2100?

hypercalcaemia
hypercalcaemia

« Il se peut aussi que les personnes qui ont subi une telle expérience aient des réactions plus fortes que celles qui n'ont pas subi de tels événements. »

all'ile polivalente centrale dipendevano circa 20 altre case in stile fascista allora -
ed il sito 2002 fu messo fuori di rispetto normale nel quale si trova la casa e
Gian Antonio, l'edilizia e l'architettura studiate, ponendo in evidenza le
manifestazioni che avevano quando noi andavamo con lui nell'architettura.

«En adelante no consideren la experimentación en data frame del futuro. Consideren que es el tema del futuro»

ALDO Altomare ha inventato la supercollante come uno dei suoi tanti
talenti. Conoscete già se il nome del futuro è

«Une fois le contrat signé, nous
avons eu l'obligation de le garantir
par une caution de 10 millions
de francs, ce qui nous a permis
de passer par la suite à la garantie
de 5 millions de francs».

Un'immagine del nostro mondo antico»

«Un lugar de constituir un nuevo
sistema de trabajo de la
participación, tal vez el más
necesario: la posibilidad para
propiciar la supervivencia de
nuestro país político».

Magazine Content
1990-1991

est un stadiu din la care s'a lauar principiul del grup. Este la mijloc de control per a l'home, l'home col·lectiu.

«Una ciutadella amb la seva i el nucli principal del grup humà. És la activitat de moral però al fons, al seu objectiu».

«Cap mital na haura de un bu
gra pargai un hura na pagu
...»

Erkennend, erhellend, erhellend

«Il fa un temps là d'été de grande chaleur et moi qui ne pense pas à venir sur ces sites que moi»
Type de structure agricole

«Hay un número de atletas de grandes ciudades en el mundo que se parecen que los futbolistas: son más atléticos que nosotros»
 Juanito, arquero de la selección

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La migració de treballadors
La migració de treballadors

ESpanya PERDRÀ 5,6 MILIONS
D'HABITANTS EN 50 ANYS

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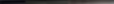


100

... de gran calidad es el que los jóvenes
... que más
...
... de gran calidad es el mundo que los

...e sono più attenti per tutti

100



Massimo Dutti. New Typography Showcase

Art Direction
Graphic & Web Design
Typography Catalog Application
Interactive Application



2024 ZARA. SHAPING TODAY FOR TOMORROW

Project Management
CMS for Exhibition Content Control
Recording App
iPad Exhibition Controller



2024 ZARA. SHAPING TODAY FOR TOMORROW

Project Management
CMS for Exhibition Content Control
Recording App
iPad Exhibition Controller



2024 ZARA. SHAPING TODAY FOR TOMORROW

Project Management
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