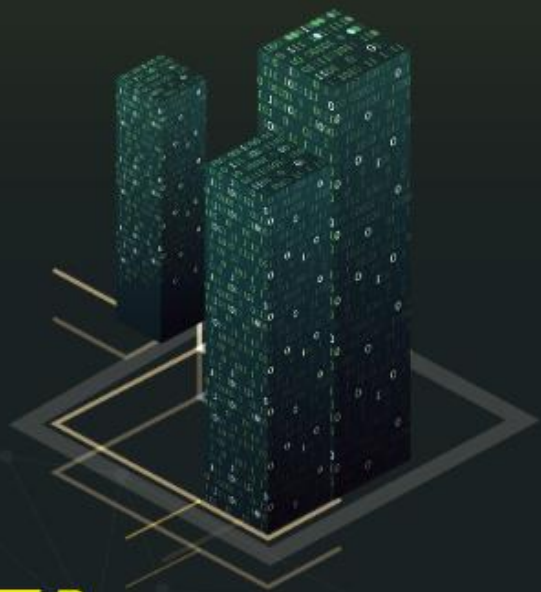




Más rápido, más barato, más humano:

industrialización y creatividad en la era de la IA

Ana Lozano Portillo

Fouder&CEO Nidus Lab SL

nidus®

AUTOMATIC SPACE PLANNER

THE Real estate INVESTMENT PUZZLE



Client: Investment Fund

Ticket: €25M to €100M

Due Diligence timeframe: 1 month

Expected ROI: 4,5% to 20%

Feasibility timeframe: 4 to 48 weeks

Human error: 5% to 20%



Client: Architectural practice

Sunk cost: 6-36K

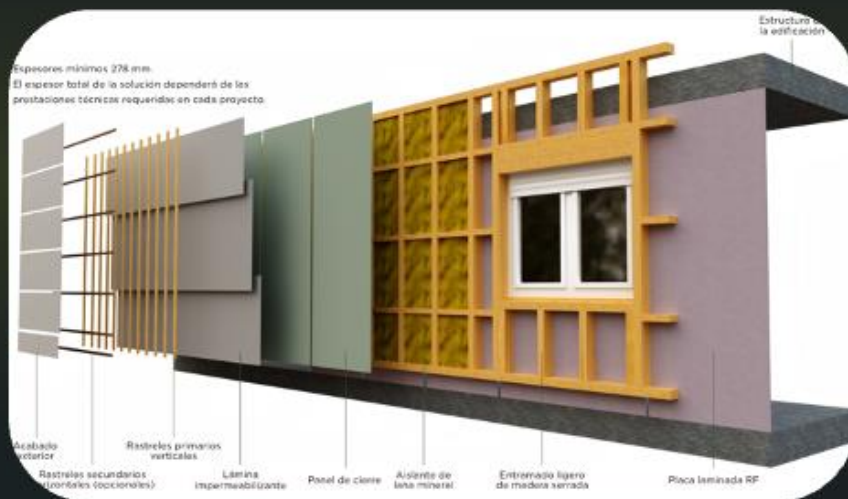
Due Diligence timeframe: 1 to 2 months

Feasibility timeframe: 4 to 48 weeks

Human error: 10% to 30%

Redundancy: 50% to 200%

Recurrence: 0% to 20%



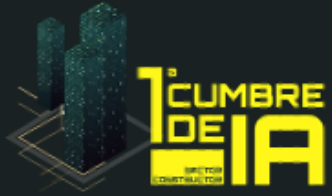
Client: Industrial Manufacturer

Performance: 10%-30% VS production

Human error: 50-70%

Process timeframe: 6-8weeks/pax

Material waste: 25% to 30%



“ La mejor forma de predecir
el futuro es inventarlo ”

Peter Drucker

Management consultant, educator, and author.

Also attributed to Abraham Lincoln & Alan Kay.

Agenda

Qué

Cuando

Por qué

Cómo

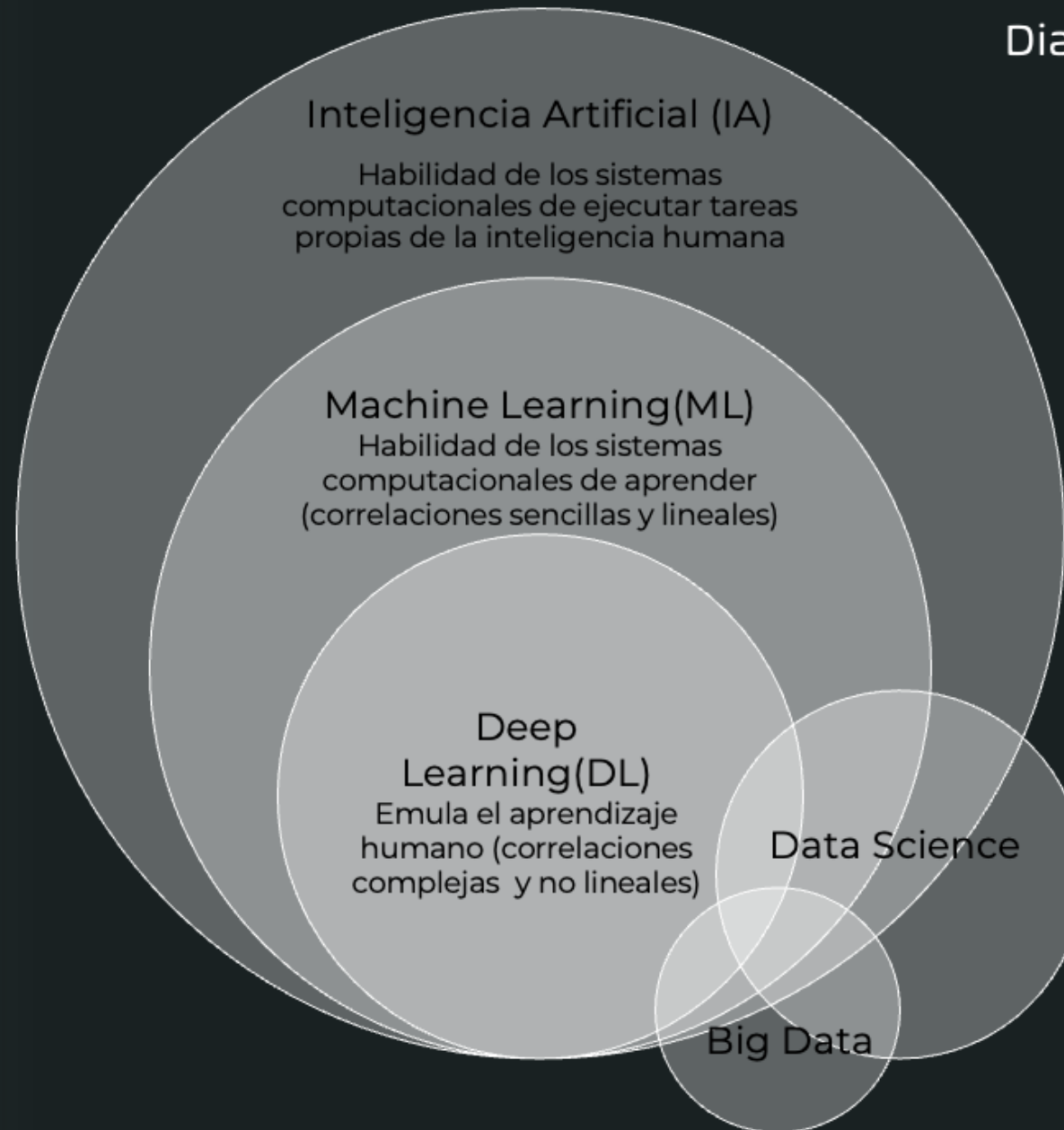
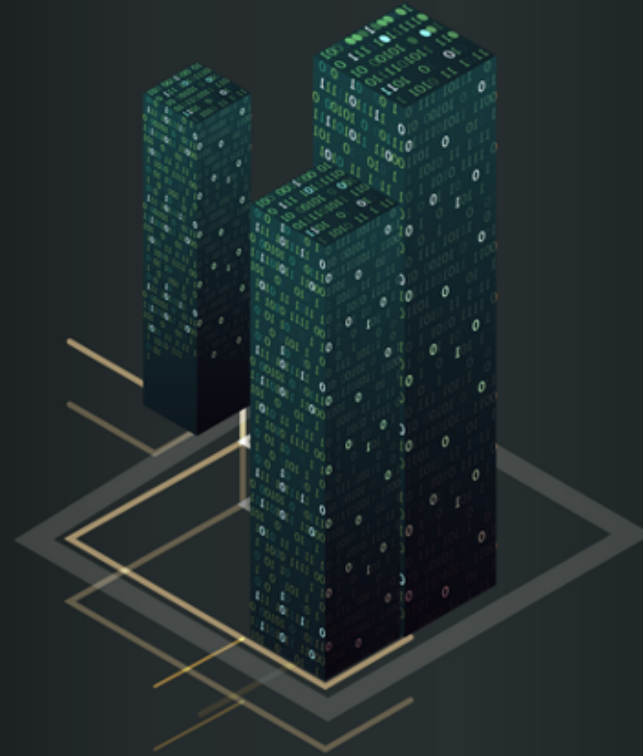
Casos de éxito : Nidus Lab

Q&A



Diagrama de Venn

IA



DATOS EN SILOS Y DESESTRUCTURADOS

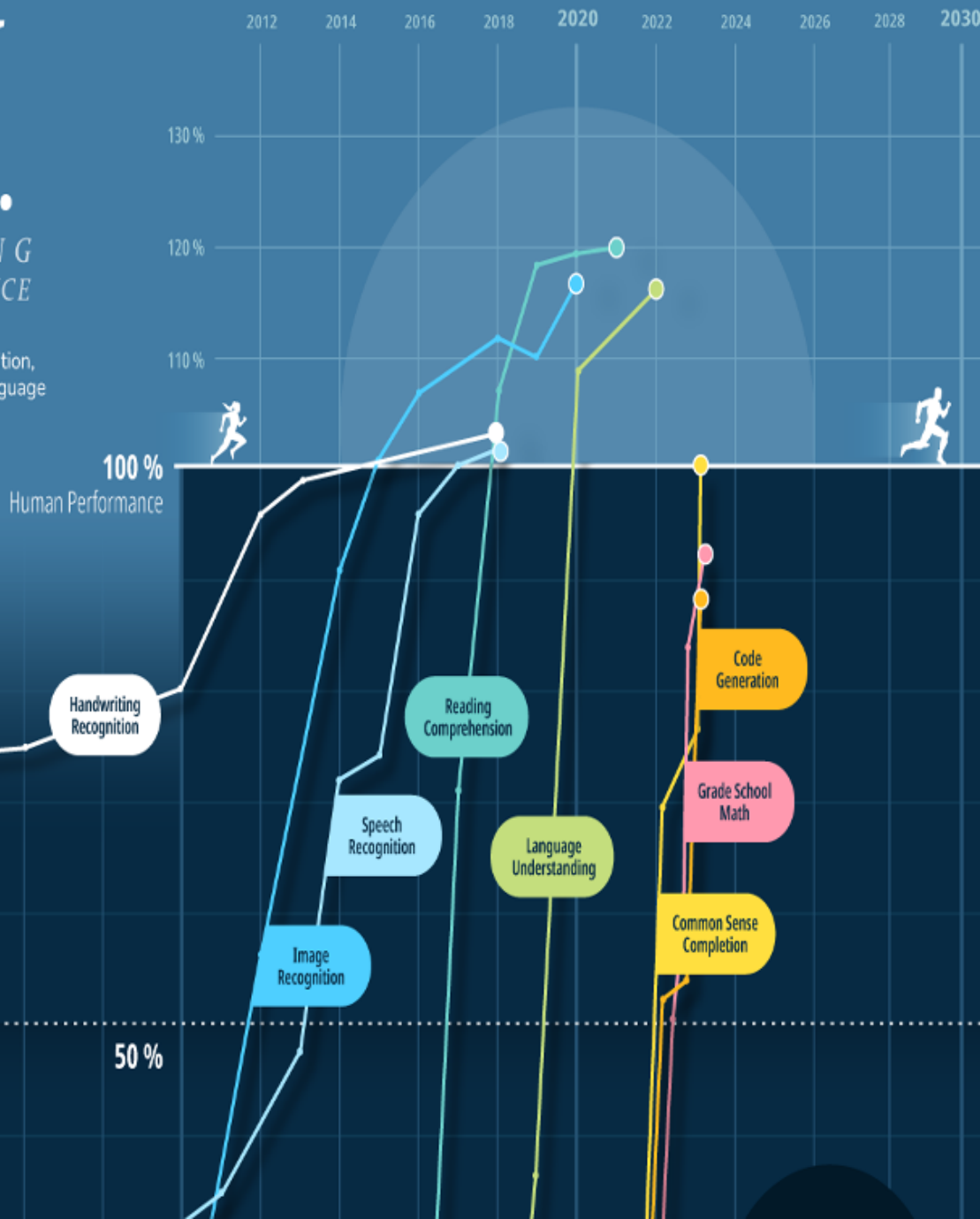


A.I.

IS OUTPACING HUMAN PERFORMANCE

AI performance across several benchmarks – like image recognition, reading comprehension, and language understanding – has surpassed human capabilities.

Thanks to decreasing costs, the computational power being used to train AI models has doubled every six months since 2010.



AI vs HUMAN



<https://www.visualcapitalist.com/ai-vs-humans-which-performs-certain-skills-better/>

*For each benchmark, the maximally performing baseline reported in the benchmark paper is taken as the "starting point", which is set at 0%.

Human performance number is set at 100%

SOURCES: 'Henshall, Will. "4 Charts That Show Why AI Progress Is Unlikely to Slow Down." Time, 2 Aug. 2023, time.com/6300942/ai-progress-charts/; Kiela, Douwe. "Plotting Progress in AI." Contextual AI, 31 July 2023, contextual.ai/plotting-progress-in-ai/



VISUAL
CAPITALIST



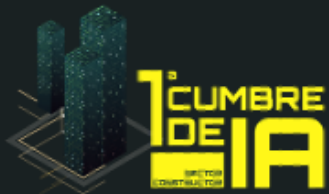
/visualcapitalist



@visualcap



visualcapitalist.com



“ El diseño generativo no trata
de diseñar los edificios.
Consiste en diseñar el sistema
que construye un edificio.”

Lars Hesselgren

Director of Research at PLP Architecture.

FASES TRADICIONALES DEL PENSAMIENTO



PROYECTAR

Condiciones
endógenas y
exógenas

PENSAR

Problemática

BUSCAR

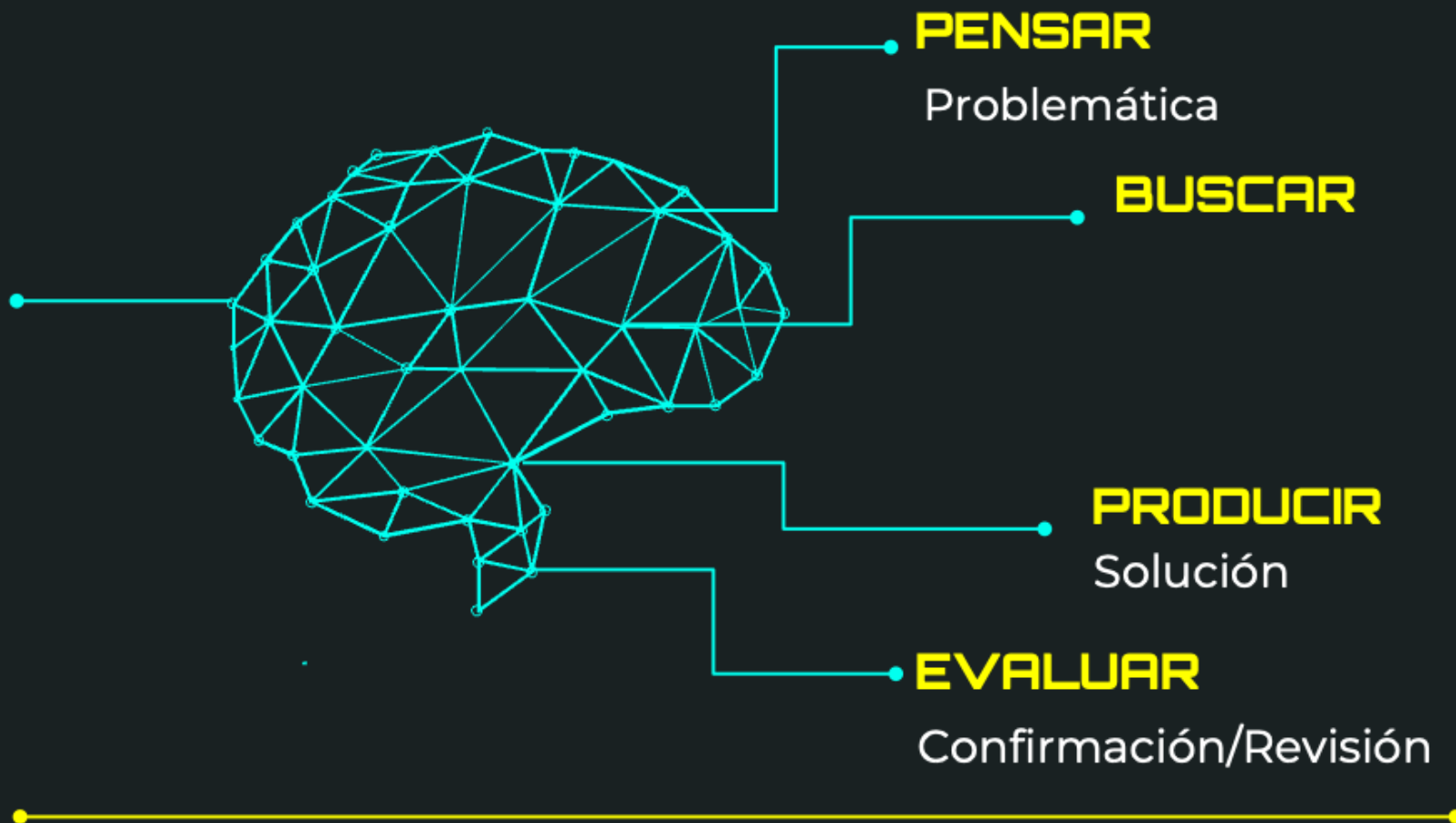
PRODUCIR

Solución

EVALUAR

Confirmación/Revisión

ITERAR



EVOLUCIÓN DE LAS FASES DEL PENSAMIENTO



Gen AI

PROYECTAR

Condiciones
endógenas y
exógenas

ITERAR

Automatización

PENSAR

Problemática

EVALUAR

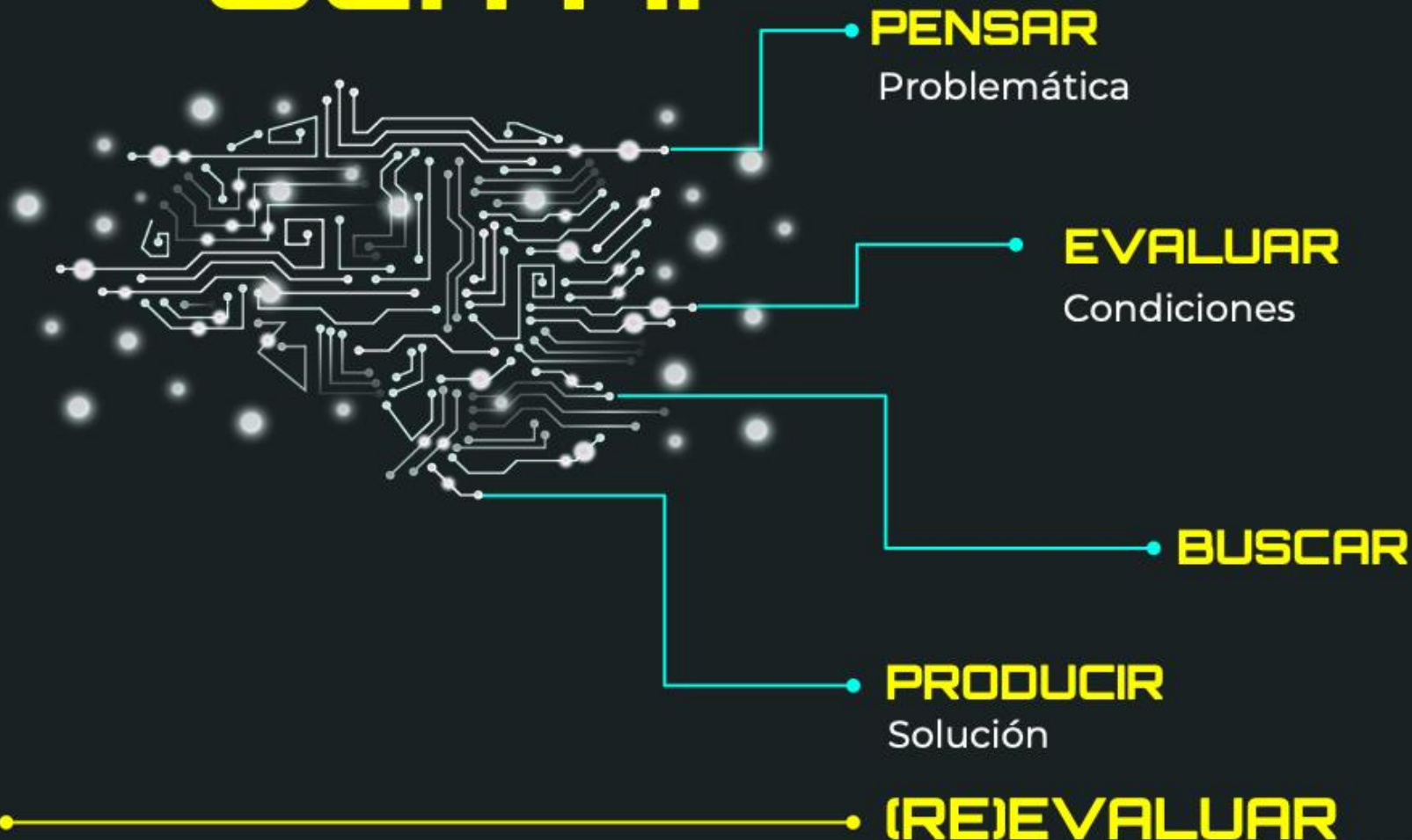
Condiciones

BUSCAR

PRODUCIR

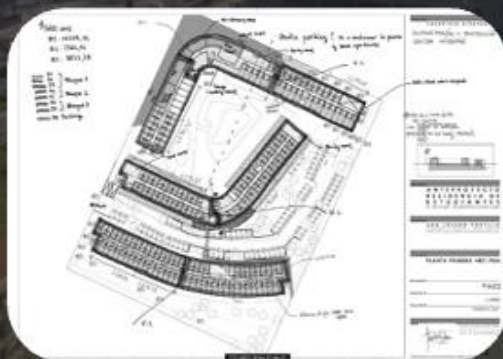
Solución

(RE)EVALUAR



SUCCESS STORY

Before without Nidus



4 - 6 architects

100%

4 - 48 weeks

10 - 30%

50 - 200%

0 - 20%



WORKFORCE

PERFORMANCE

TIMEFRAME

HUMAN ERROR

REDUNDANCY

RECURRENCE

After with Nidus



1 user

103 - 108%

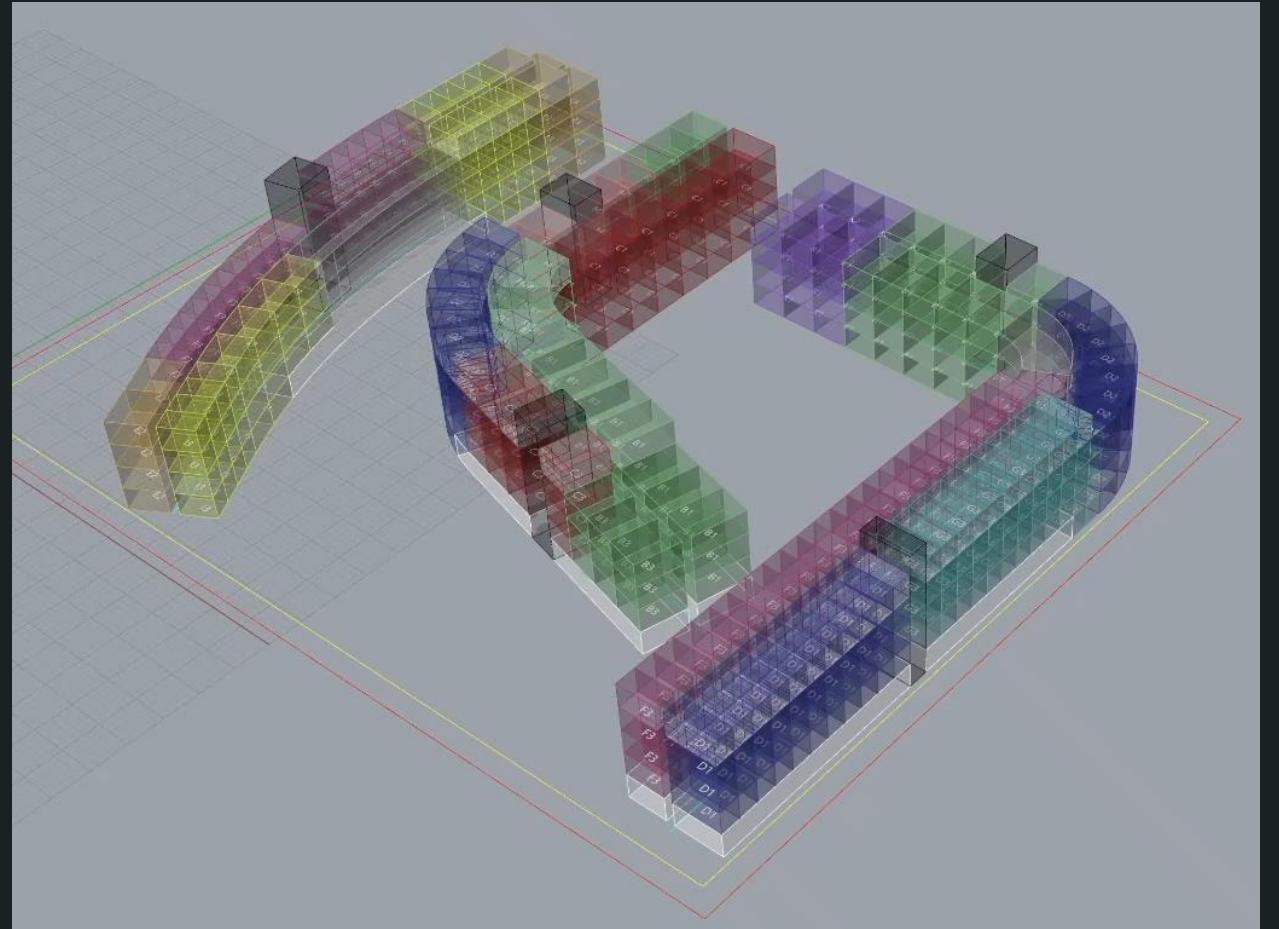
24 hours

<5%

<5%

UNLIMITED

Client: Belgium investment fund
Plot: 14.000m²
Gross area: 27.000m²
Blueprint in 72 hours
Construction time frame: 17 months.



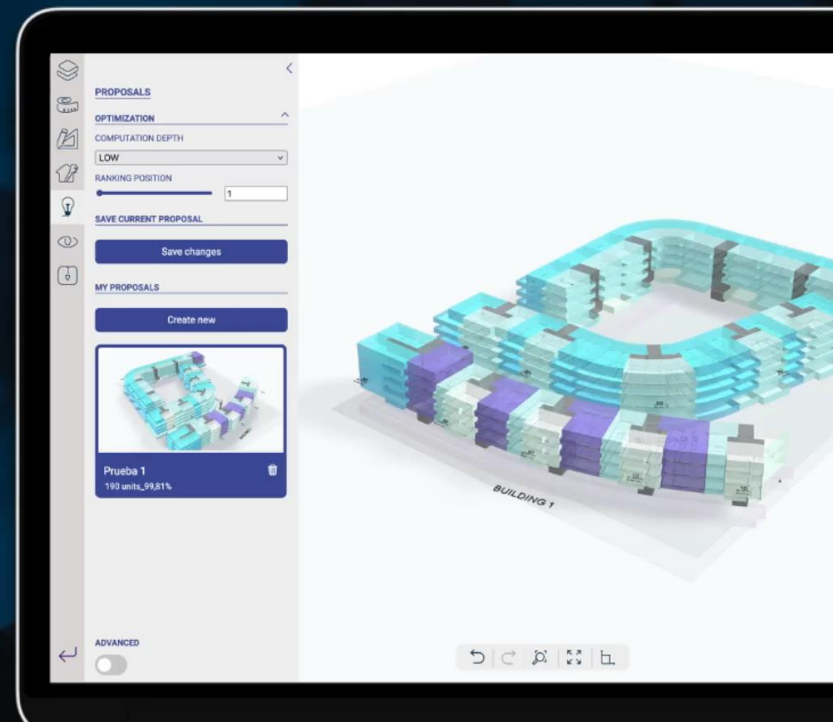


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AUTOMATIC SPACE PLANNER

DESIGN
SMARTER
BUILD
BETTER
POWERED BY AI

10x faster. 100x smarter. Always
buildable. This is AI-powered real
estate design.

Ana Lozano (CEO) | nidus@nidusio | www.nidusio



SUCCESS STORY

Before without Nidus



8 engineers

10%-30% VS production

60%

6-8 weeks

38%

€37K/week



WORKFORCE

PERFORMANCE

FAILURE RATE

TIMEFRAME

WASTE

NET PROFIT

After with Nidus



1 user

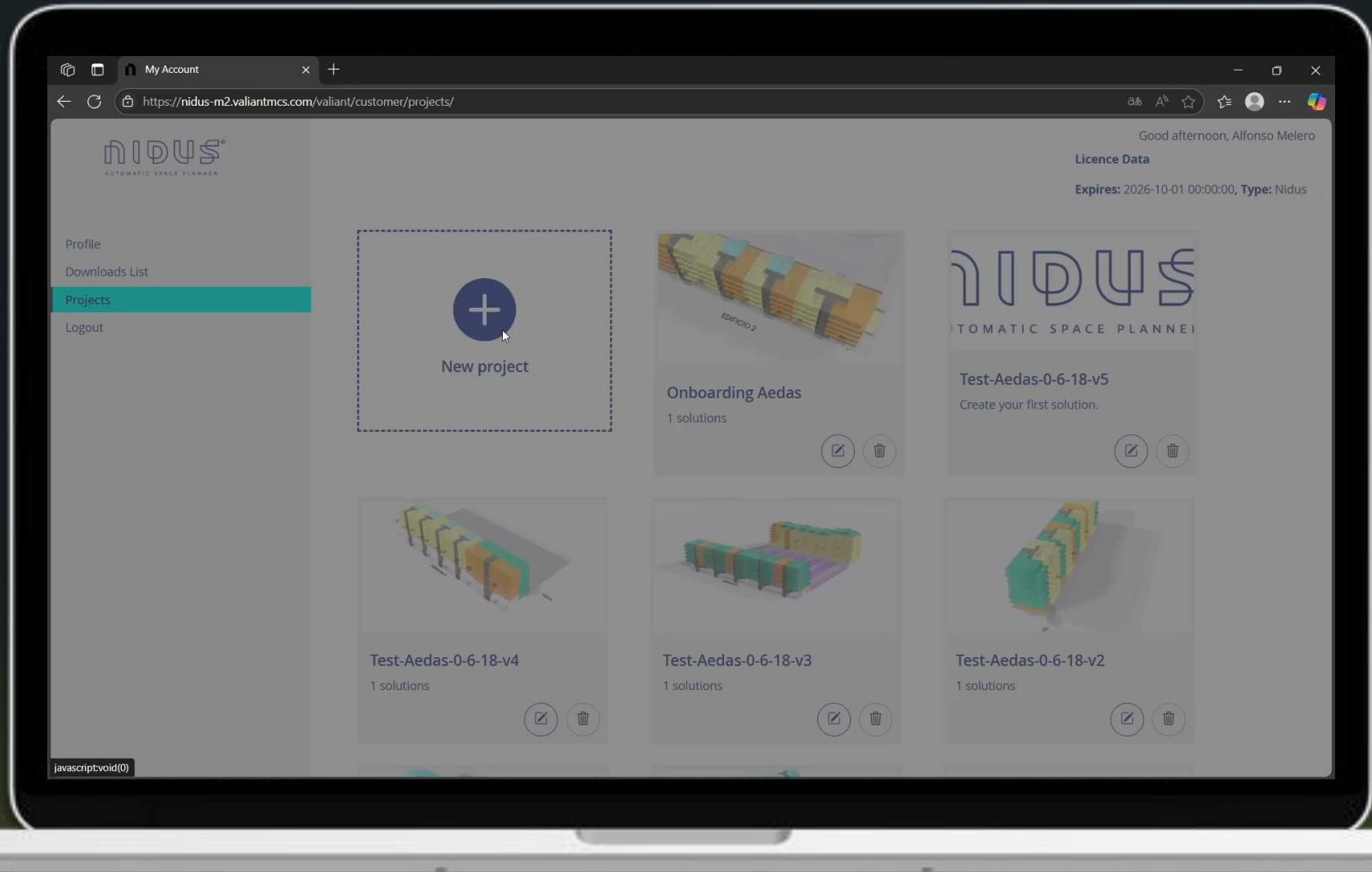
820% VS production

<4%

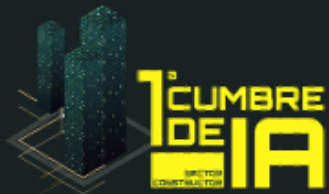
10-15 minutes

0,25% - 6%

€825K/week



100.000,00



“

**Cualquier tecnología lo
suficientemente avanzada es
indistinguible de la magia.**

”

Arthur C. Clarke

British science fiction writer, futurist, and inventor.

¡Gracias!

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AUTOMATIC SPACE PLANNER

