

Városi digitális iker adatvezérelt építése műholdas távérzékelési technológiákkal

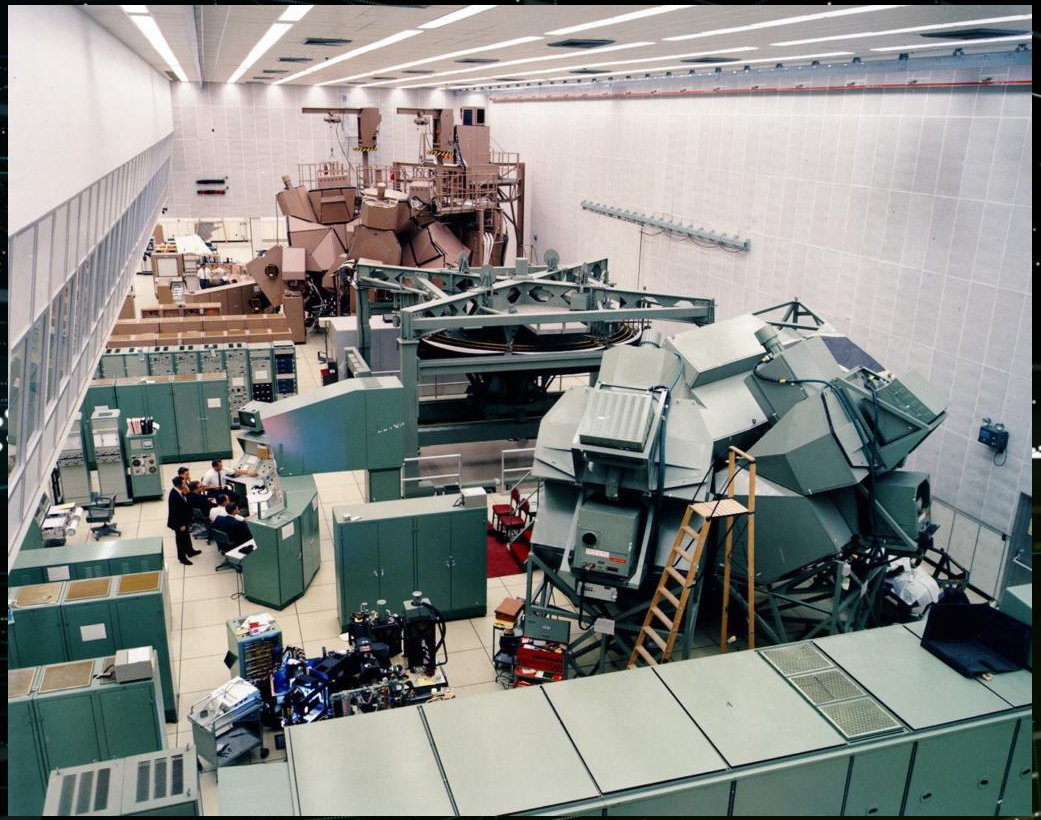
Airbus DS Geo Hungary

BOGDANOVITS András
2026.11.04
andras.bogdanovits@airbus.com

AIRBUS

Apollo 13

02 07 52 58	CC	13, we've got one more item for you, when you get a chance. We'd like you to stir up your cryo tanks. In addition, I have shaft and trunnion - -
02 07 53 06	CMP	Okay.
02 07 53 07	CC	- - for looking at the Comet Bennett, if you need it.
02 07 53 12	CMP	Okay. Stand by.
02 07 55 19	LMP	Okay, Houston - -
02 07 55 20	CDR	I believe we've had a problem here.
02 07 55 28	CC	This is Houston. Say again, please.
02 07 55 35	CDR	Houston, we've had a problem. We've had a MAIN B BUS UNDERVOLT.
02 07 55 42	CC	Roger. MAIN B UNDERVOLT.
02 07 55 58	CC	Okay, stand by, 13. We're looking at it.

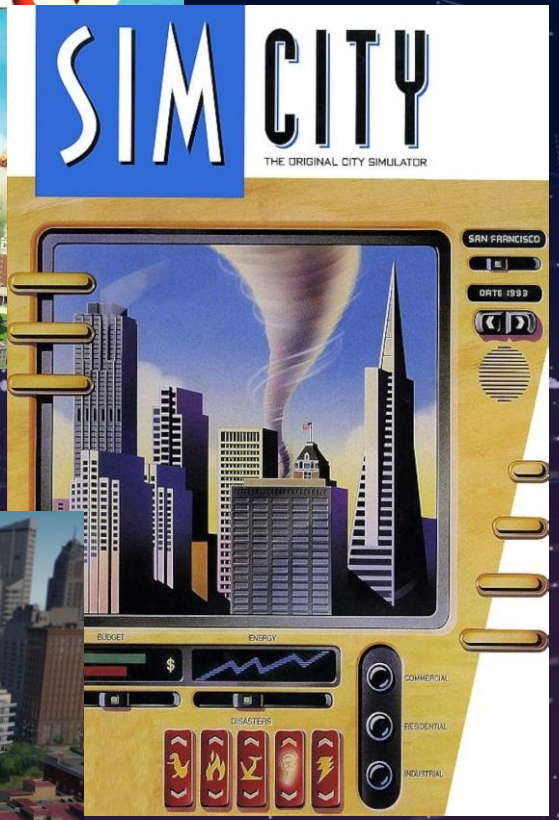


AIRBUS

Urbanista ludibundus,
azaz a játékos várostervező



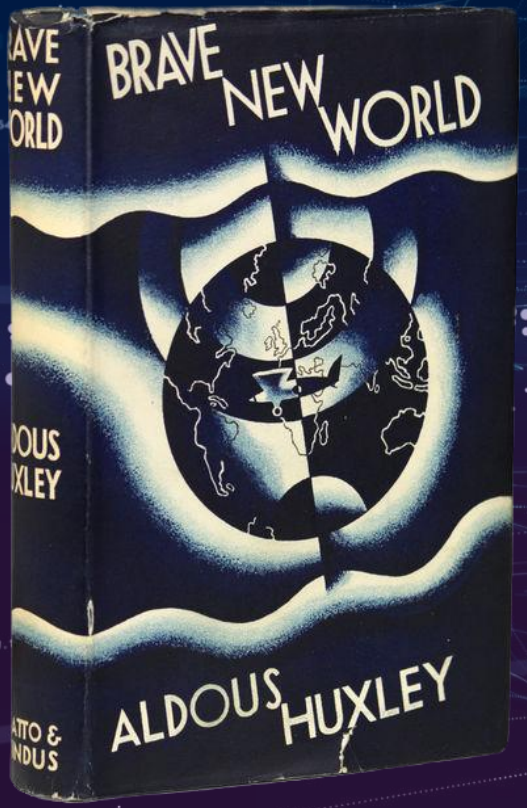






AIRBUS

Brave New World
VUCA
BANI



VUCA

Complexity and challenges

- volatile
- uncertain
- complex
- ambiguous



BANI

Forward-Thinking Business Practices

- brittle
- anxious
- non-linear
- incomprehensible

AIRBUS

Airbus Amber

SPACE **DIGITAL**

Geospatial Products



Airbus Amber

AIRBUS

The **Pléiades Neo**
story continues…

…
with **Pléiades Neo Next**

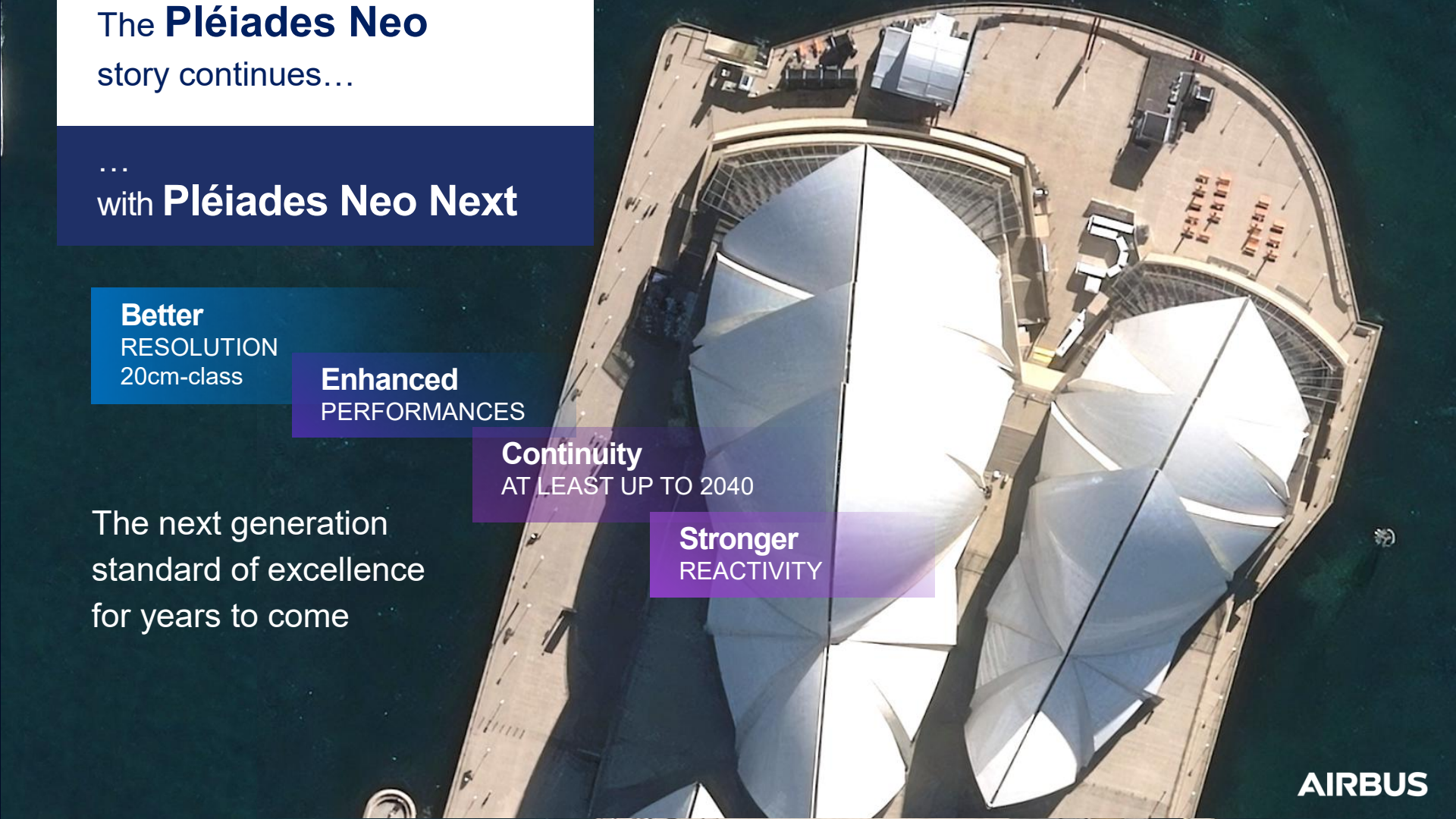
Better
RESOLUTION
20cm-class

Enhanced
PERFORMANCES

Continuity
AT LEAST UP TO 2040

Stronger
REACTIVITY

The next generation
standard of excellence
for years to come



AIRBUS

Airbus AI models for geospatial

Geospatial Insights

Today



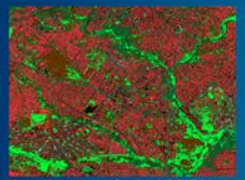
Vessel detection - SAR TSX / Regional
10-class ident.



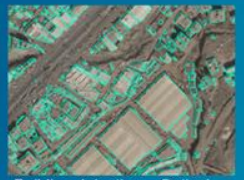
Aircraft detection - Optical 30-50cm / Global / 6-class
30-class identification



Vehicles detection - SAR TSX / Regional / 6-class



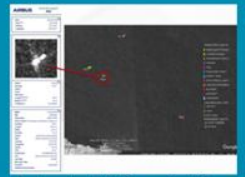
Land cover – Optical 30-50cm / Global / 10-class



Building detection – Optical 30-50cm / Global



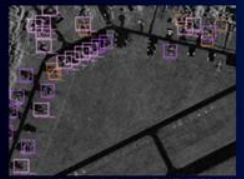
Walls detection – Optical 30cm / Global



Automated VDR – optical & SAR / AIS correlation (soon RF, dark vessels, etc.)



Vessel detection – SAR TSX, S1, NovaSAR Capella & Iceye / Global / No classif



Aircraft detection - SAR TSX / Regional /
16-class identification



Change detection – Optical 50-150cm / Global



Land cover MGCP – Optical 2m / Global / 11-class



Hut detection – Optical 50cm / Global / 2-class



Hedges detection – Optical 30cm / Global



AI training datasets – Optical 30-150cm / vehicles, vessels, aircrafts & drones, etc.



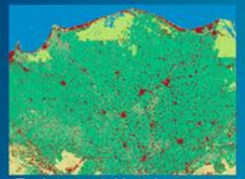
Vessel detection - Optical 30-150cm Global
7-class / 150+class ident.



Vehicles detection - Optical 30-50cm / Global / 2-class



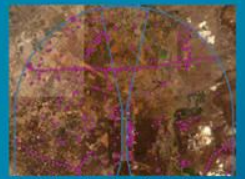
Field boundaries detection – Optical 50-150cm / Regional



Environmental Land cover – Optical 20m / Global / 20+ classes



Roads detection – Optical 30cm / Global



Aerial navigation obstacle detection – Optical 30-150cm / Global / incl. height classes



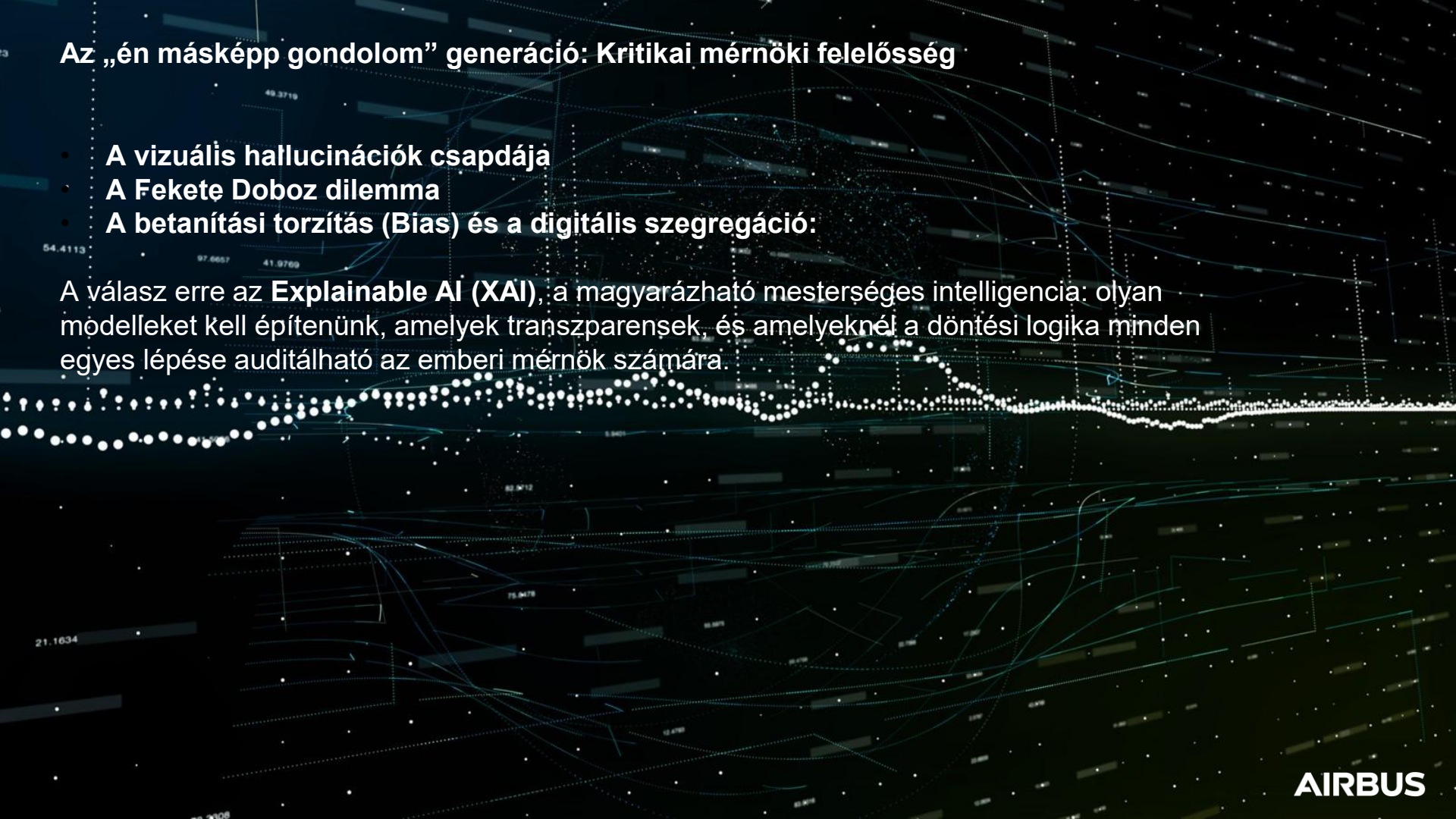
Training & inference tool for AI models (optical & SAR)

AIRBUS

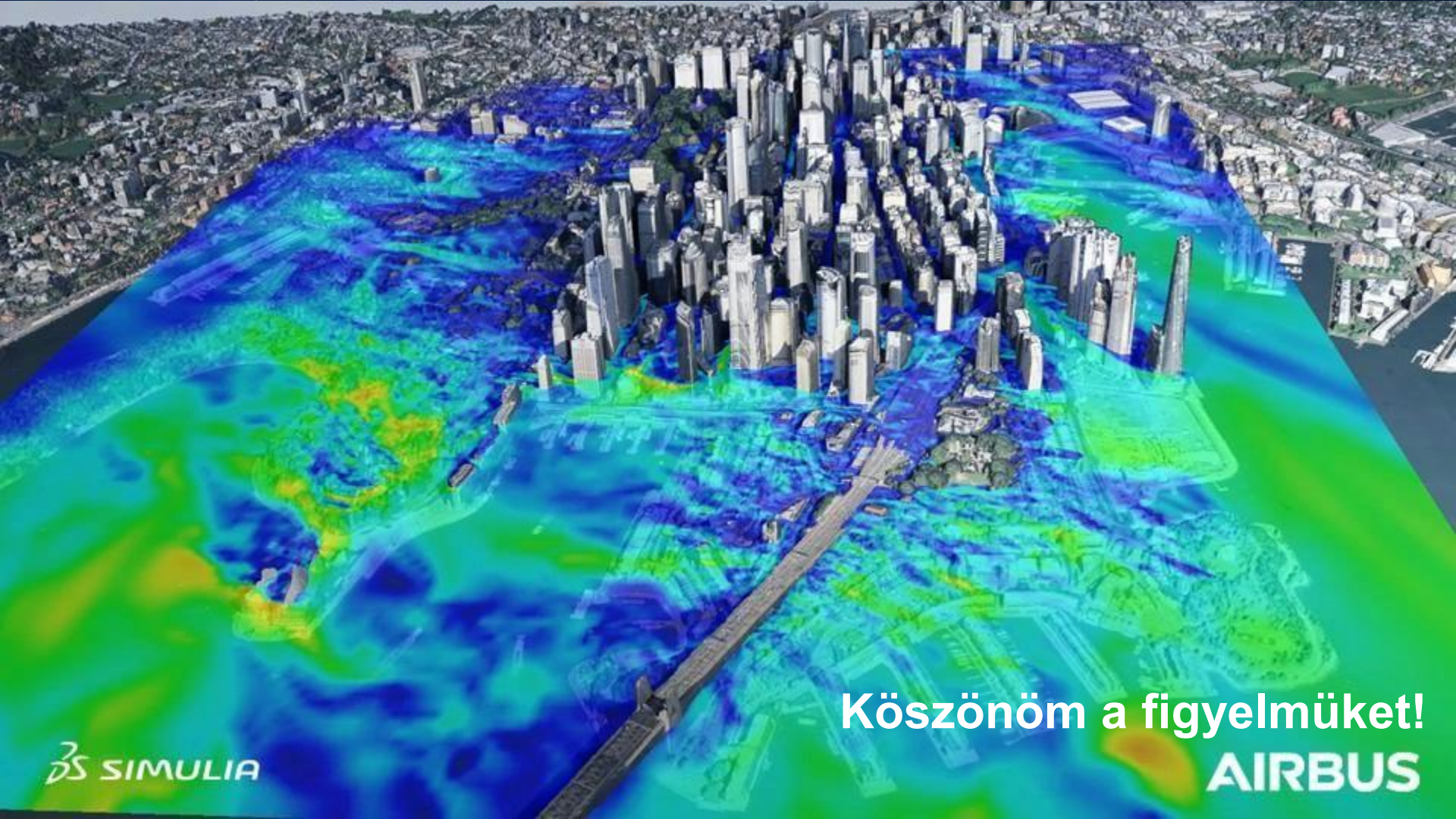
Az „én másképp gondolom” generáció: Kritikai mérnöki felelősség

- **A vizuális hallucinációk csapdája**
- **A Fekete Doboz dilemma**
- **A betanítási torzítás (Bias) és a digitális szegregáció:**

A válasz erre az **Explainable AI (XAI)**, a magyarázható mesterséges intelligencia: olyan modelleket kell építenünk, amelyek transzparensek, és amelyeknél a döntési logika minden egyes lépése auditálható az emberi mérnök számára.



AIRBUS


Köszönöm a figyelmüket!
SIMULIA
AIRBUS