



Automating the Data Value Chain
with long-range drones

A photograph showing a complex network of electricity pylons and power lines against a clear, light blue sky. The pylons are dark grey or black metal lattice structures. Numerous power lines are suspended between them, creating a web-like pattern. The perspective is from ground level, looking up at the towers.

**5 MILLION
KM.**

TOOLS FOR CAPTURING DATA: ON FOOT INSPECTIONS

Means of inspection	Costs	Issues
	50 €/km.	➤ No digital data

Used in the medium voltage grid

TOOLS FOR CAPTURING DATA: CREWED HELICOPTER

Means of inspection	Costs	Issues
	150 €/km.	<ul style="list-style-type: none">➤ Costs.➤ Personal risks.➤ Emissions.

Only used in the high voltage grid

500 m.
Max. range



TOOLS FOR CAPTURING DATA: ON FOOT INSPECTIONS

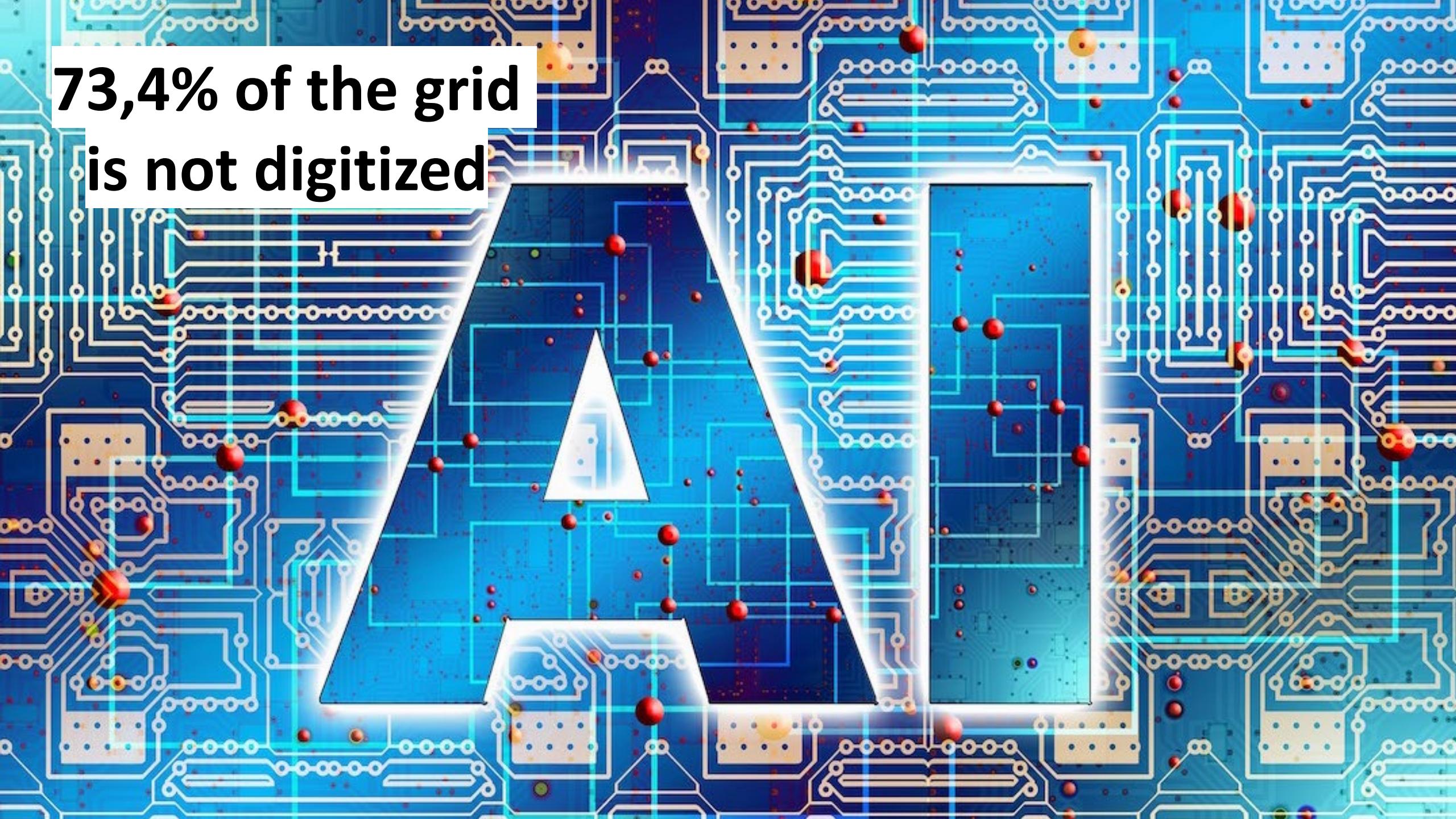
Means of inspection	Costs	Issues
	<p>300 €/km. (2x Helicopter!)</p>	<p>➤ Extremely expensive</p>

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Rarely used





**73,4% of the grid
is not digitized**



Automating the digitization of power lines



Automating the digitization of power lines

40x range



Automating the digitization of power lines

40x range

1/20 Costs



Automating the digitization of power lines

40x range

1/20 Costs

No personal risks/emissions

REGULATION: KEY ALLIANCES

REGULATORS



END-USERS



TECH. PARTNERS



MAINTENANCE SERVICE PROVIDERS



REGULATION: KEY ALLIANCES

REGULATORS



END-USERS



All involved in the
Data Value Chain!

TECH. PARTNERS



MAINTENANCE SERVICE PROVIDERS



19 Members:

- Tech. & production.
- Management & business development.



EI Referente
Conectando el ecosistema emprendedor

G | M | F

The German Marshall Fund
of the United States

MILESTONES

- Only Spanish long-range authorization to inspect power lines.
- 2 M€ raised.
- ISO-9001.
- 3 patents.



248 M€





Carlos Matilla
CEO & Co-founder

+34 645 59 14 66

c.matilla@fuvex.com



FuVeX

