

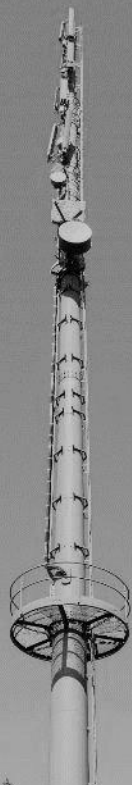
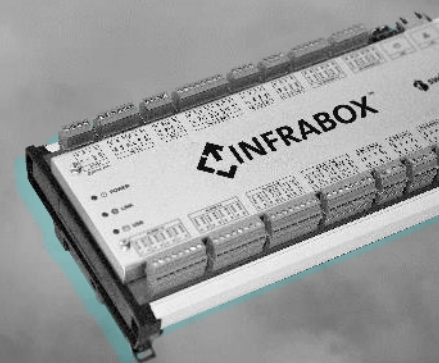


Operational Efficiency & Sustainability at Swisscom

March 6th, 2025

INFRAVISTA™

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My Journey in Operations

I'm Chris

Increasing
energy
prices

Declining
sales in Telco
business

Unconnected
cooling
equipment

Inefficient
cooling
devices

No
benchmarking

Redundant
maintenance
trips

Sustainability
responsibility

No or
inaccurate
data for
decisions

300+
Cooling
equipment
types

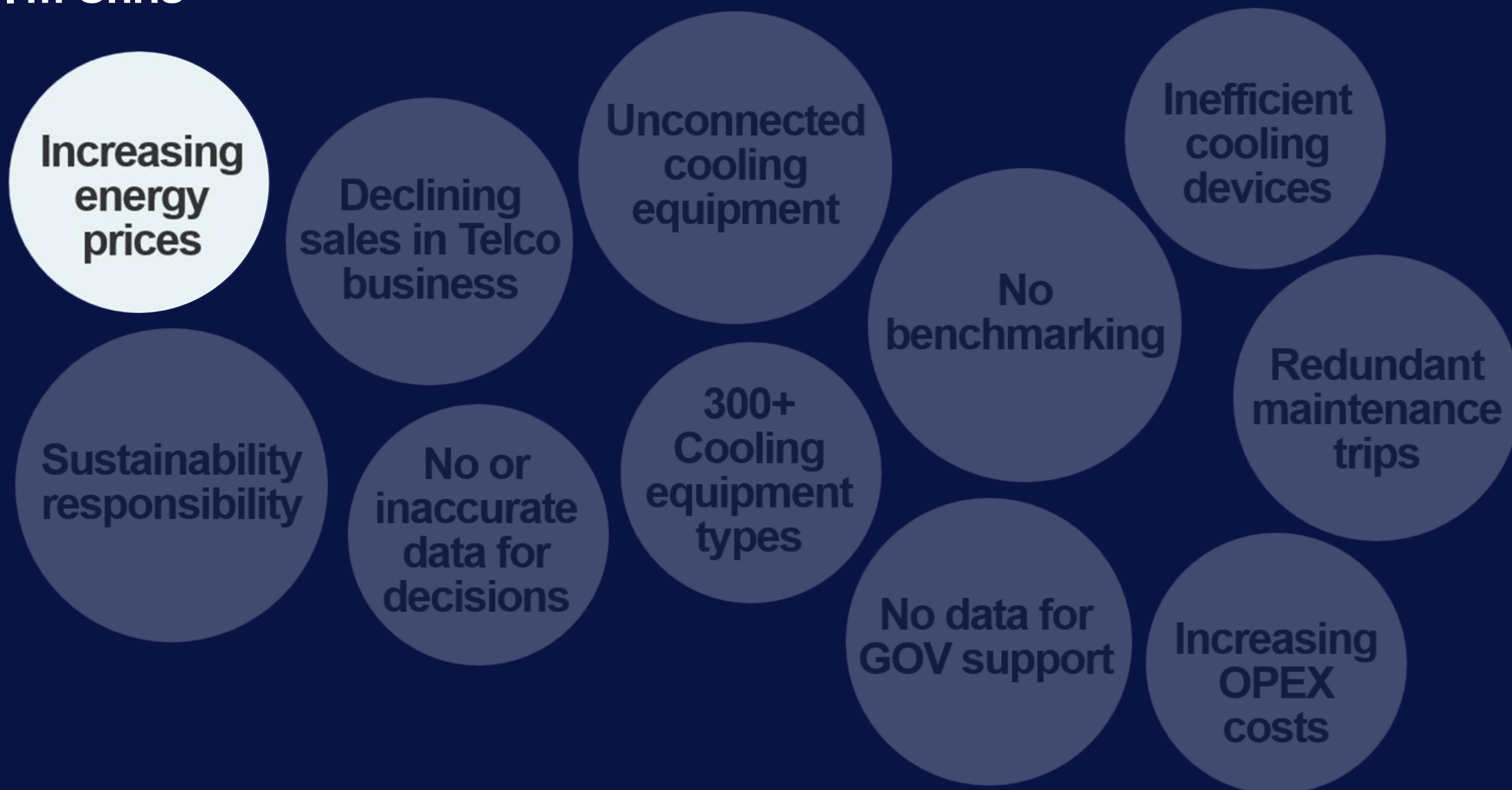
No data for
GOV support

Increasing
OPEX
costs



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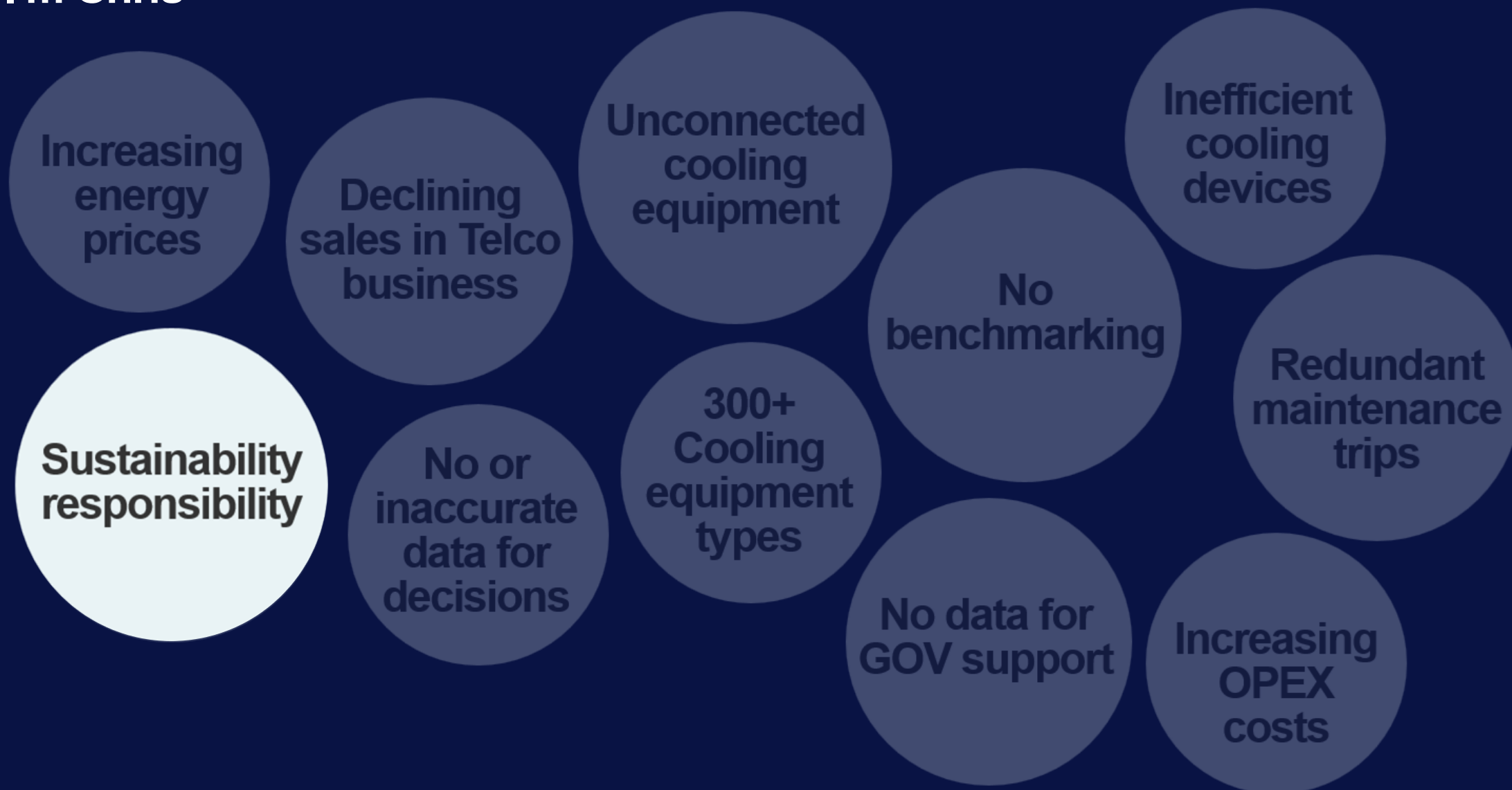
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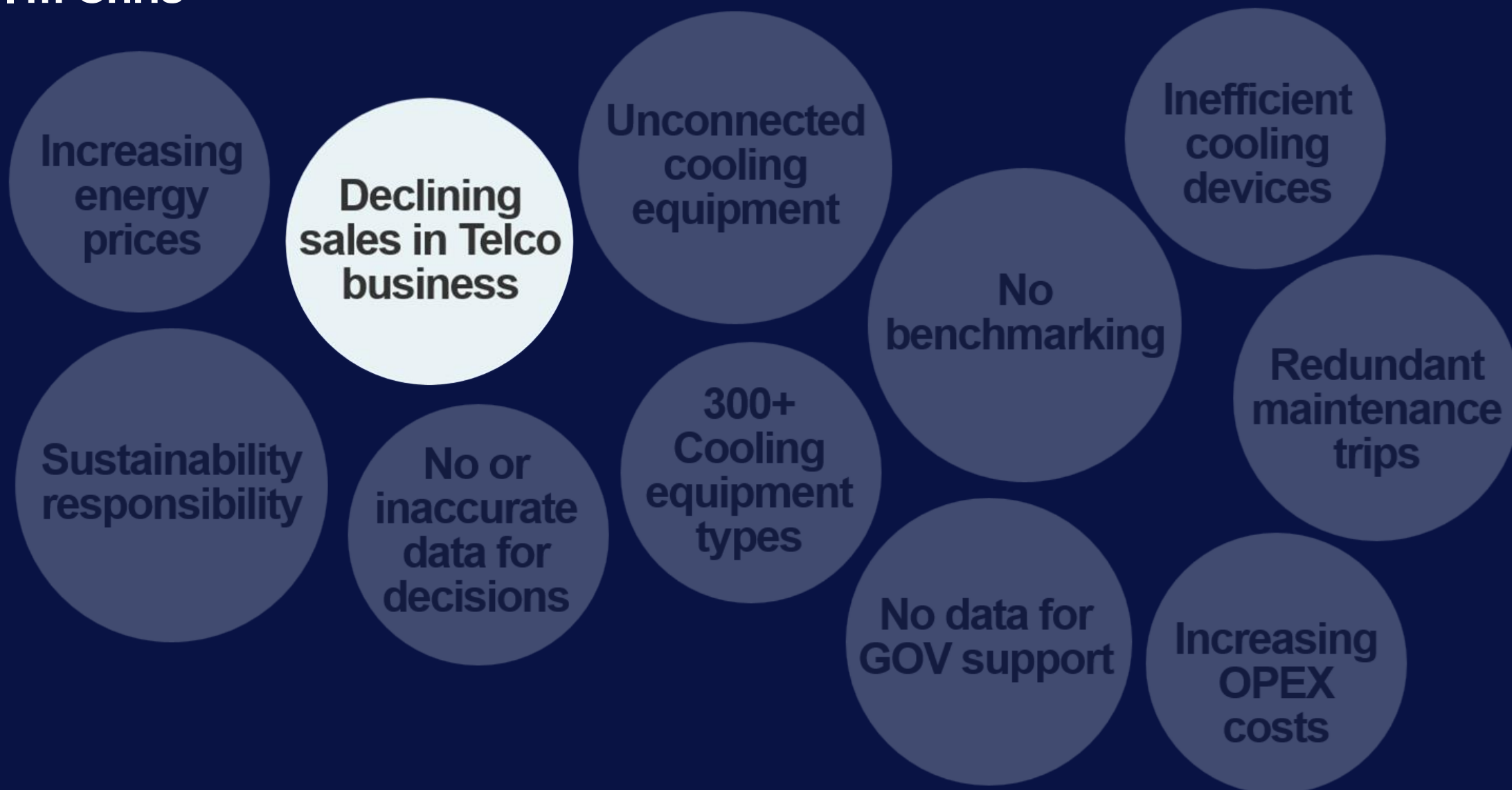
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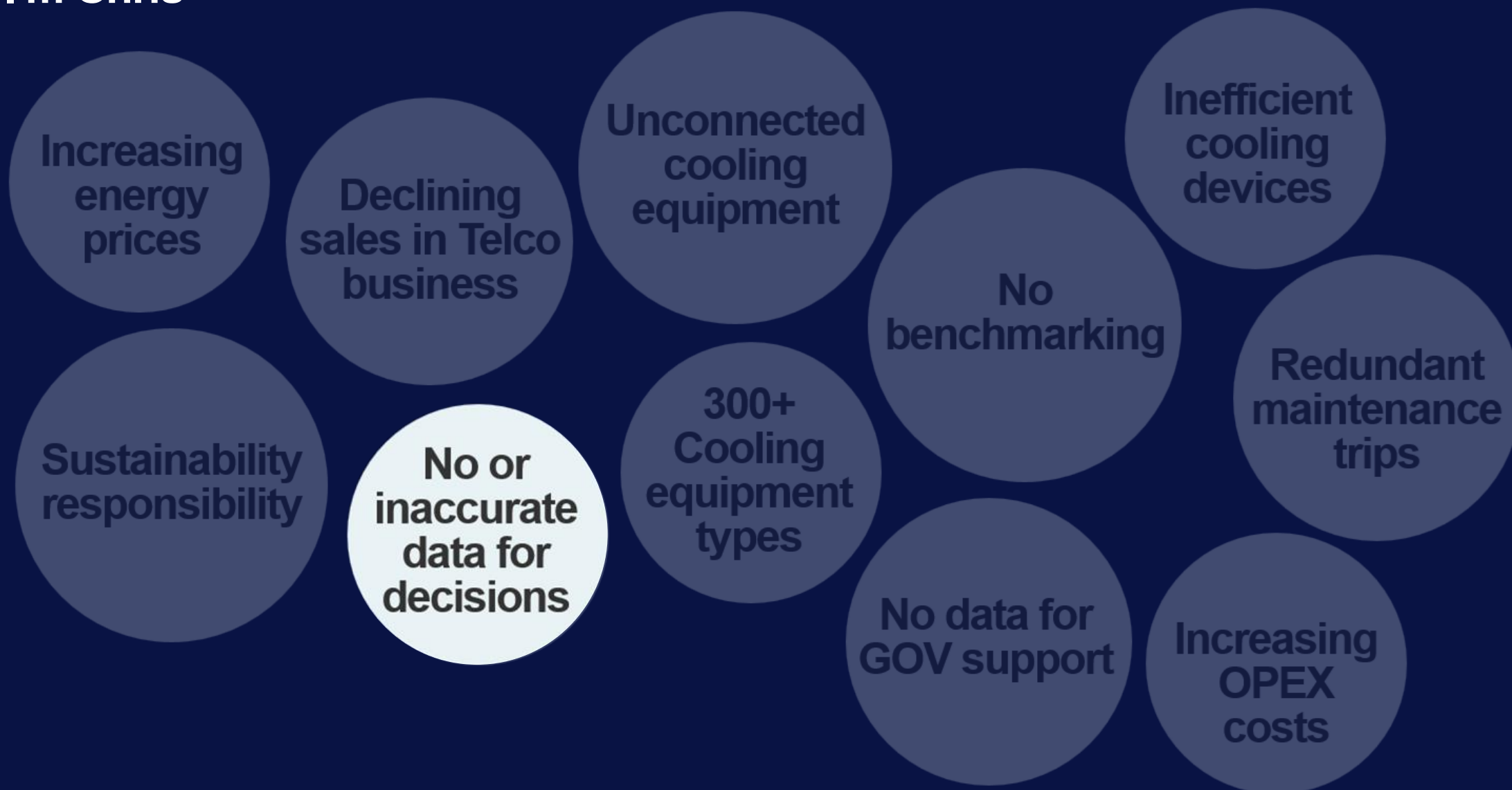
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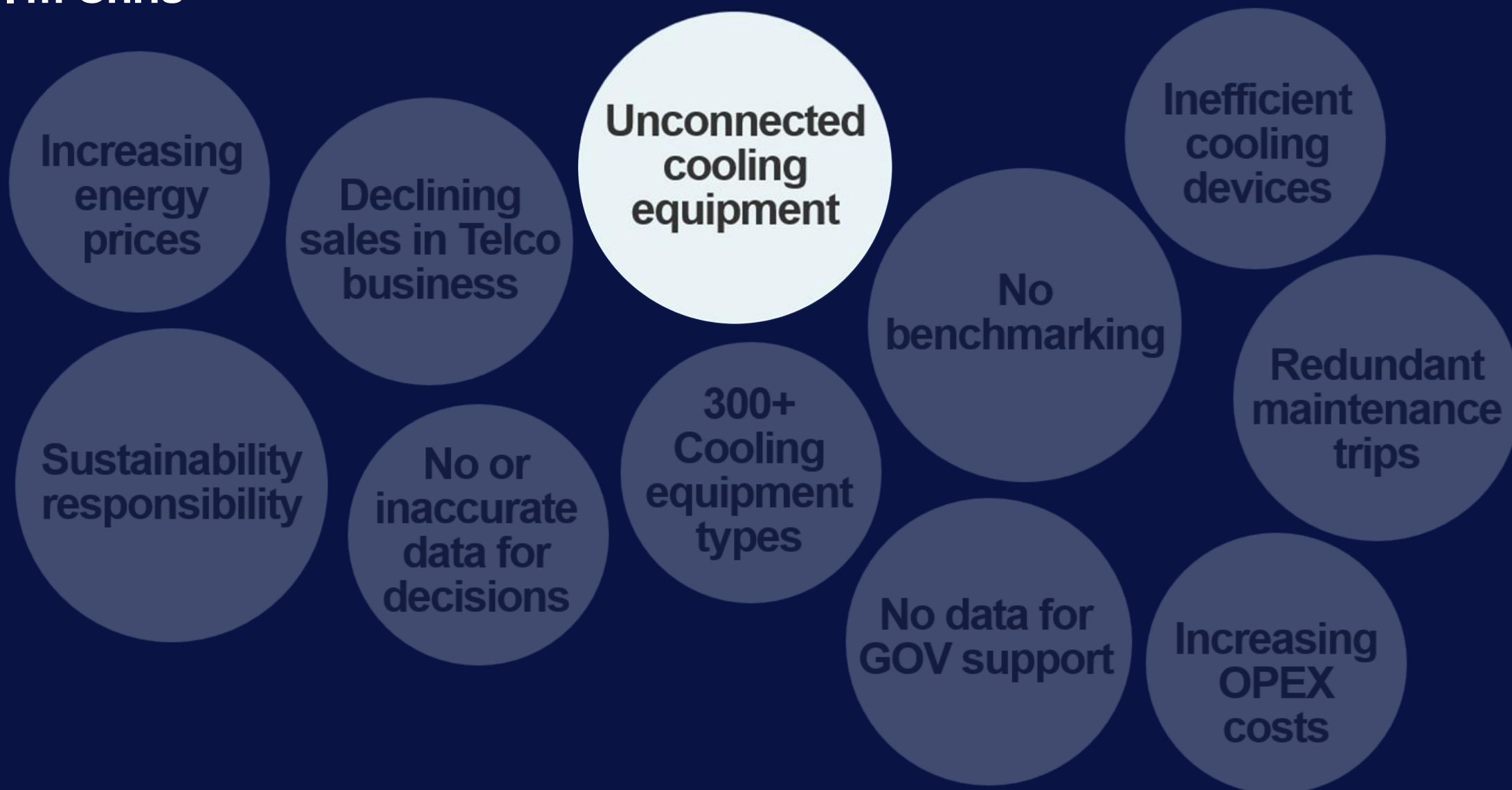
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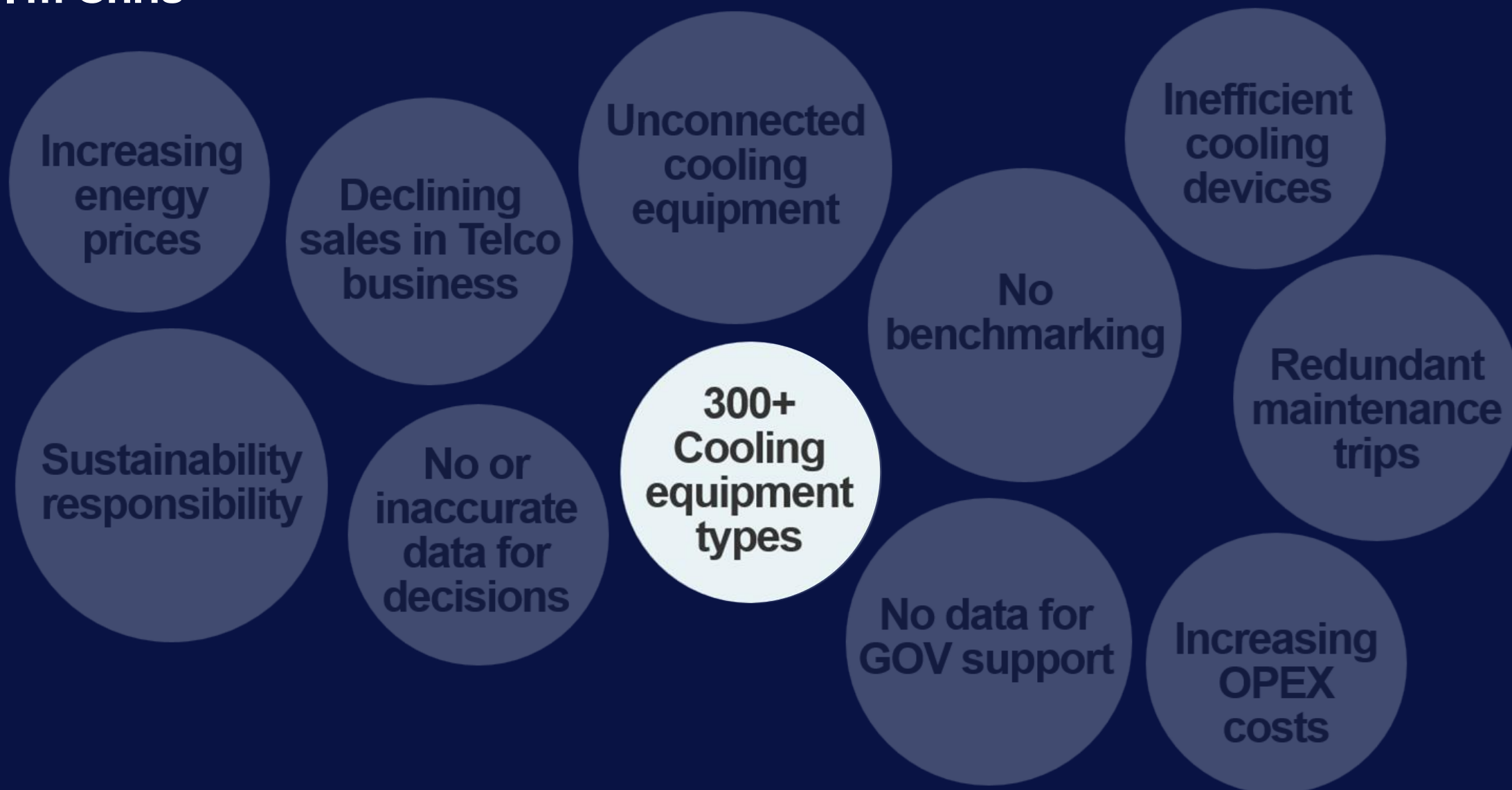
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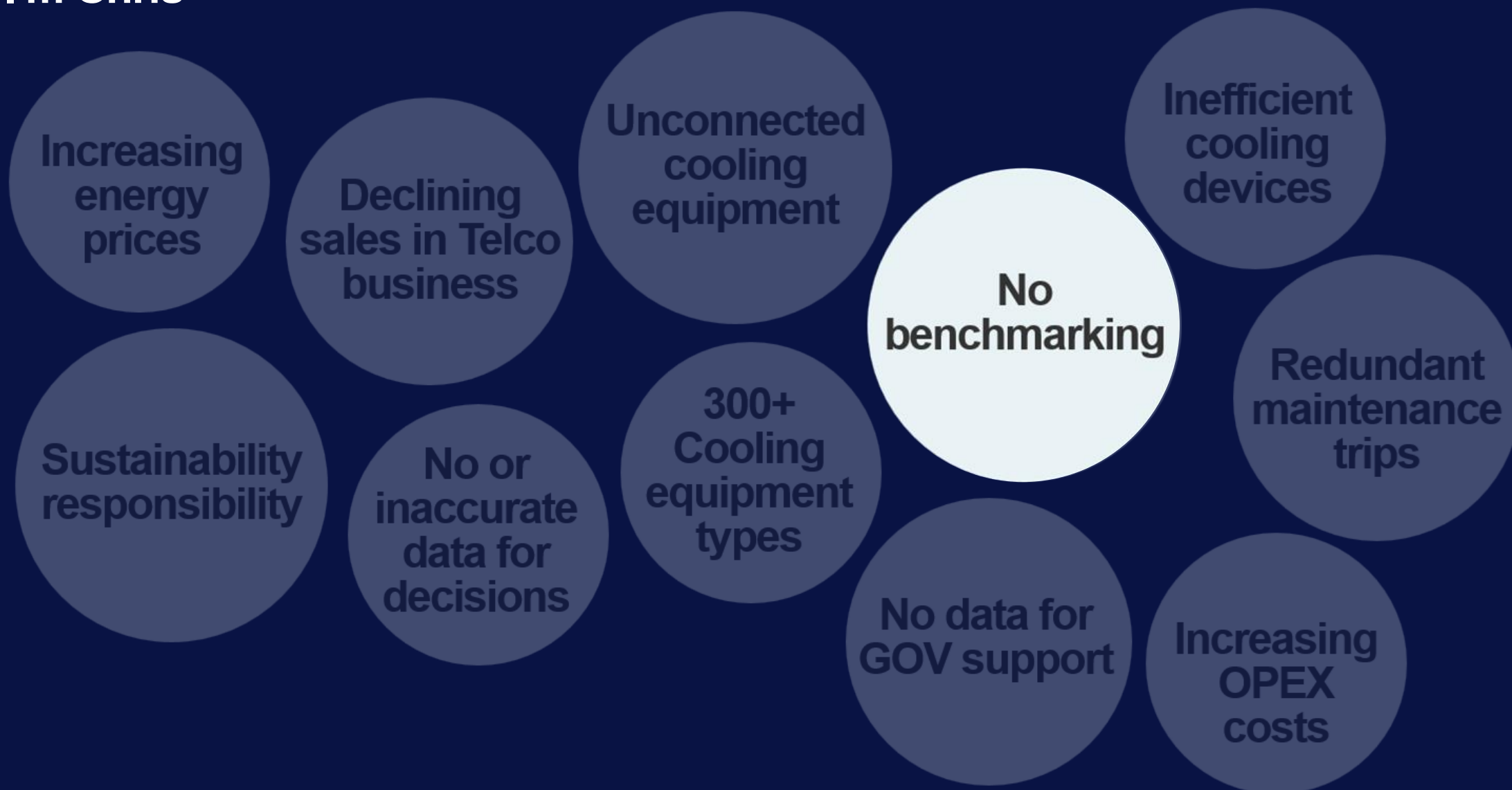
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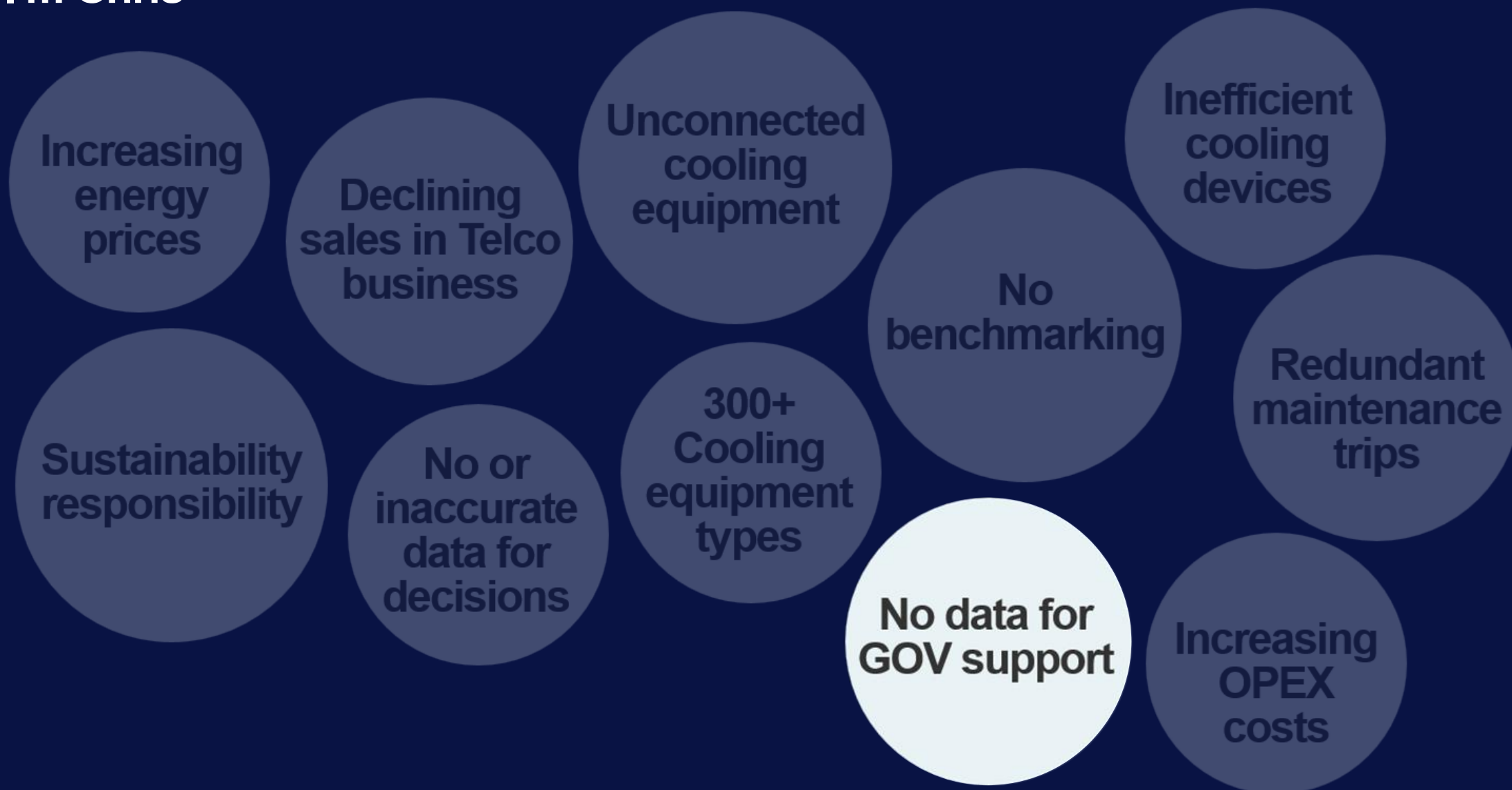
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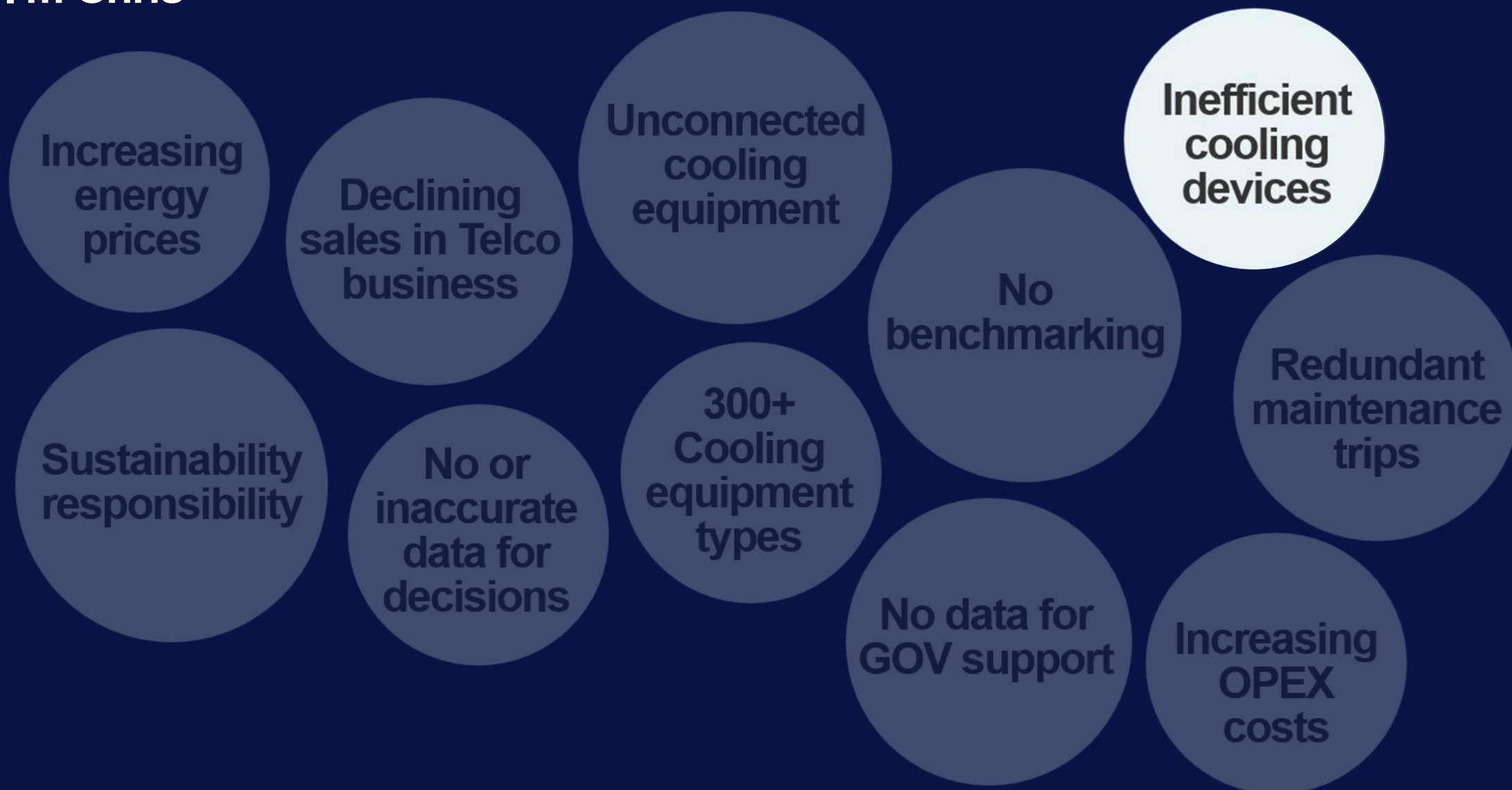
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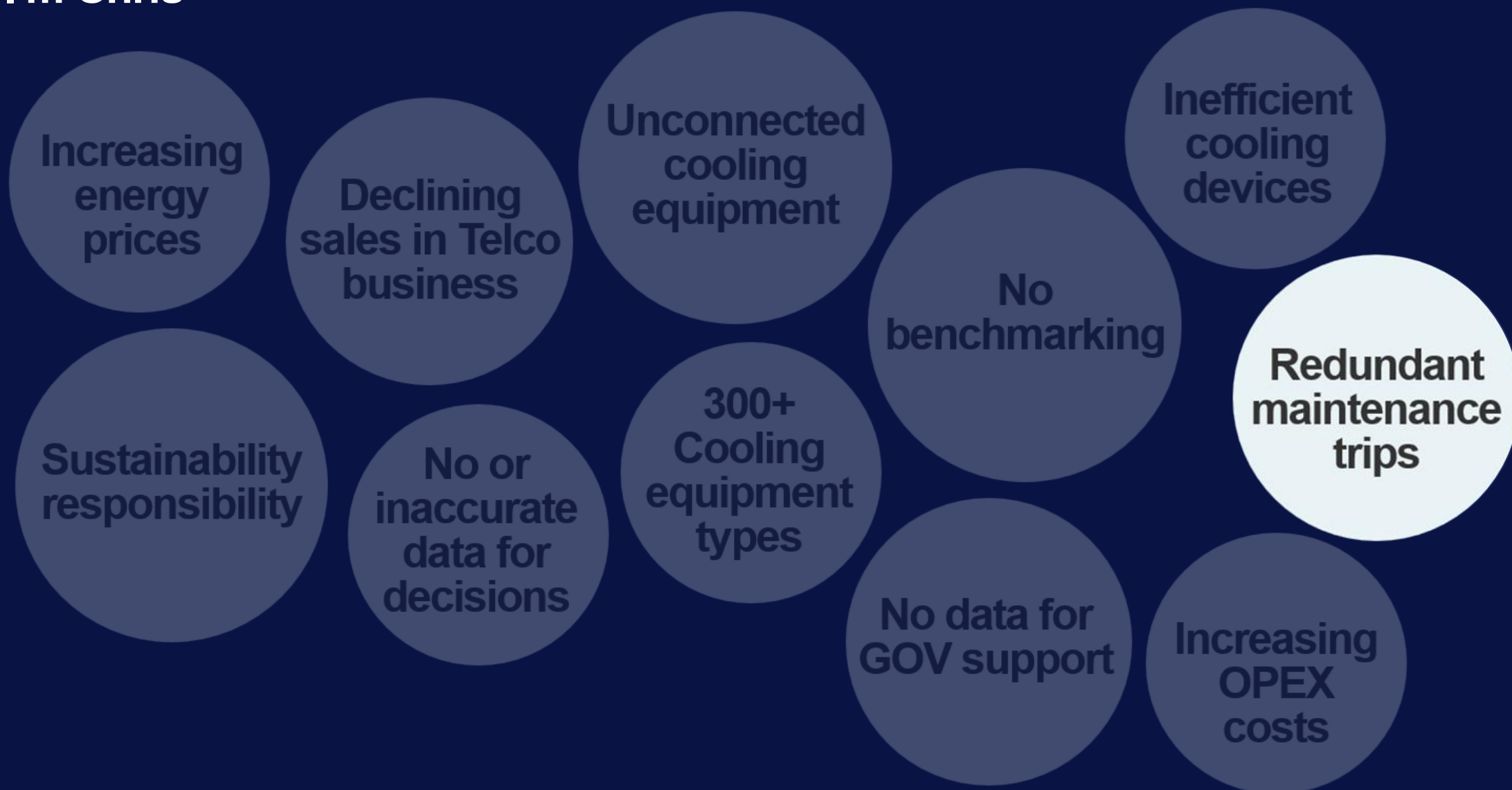
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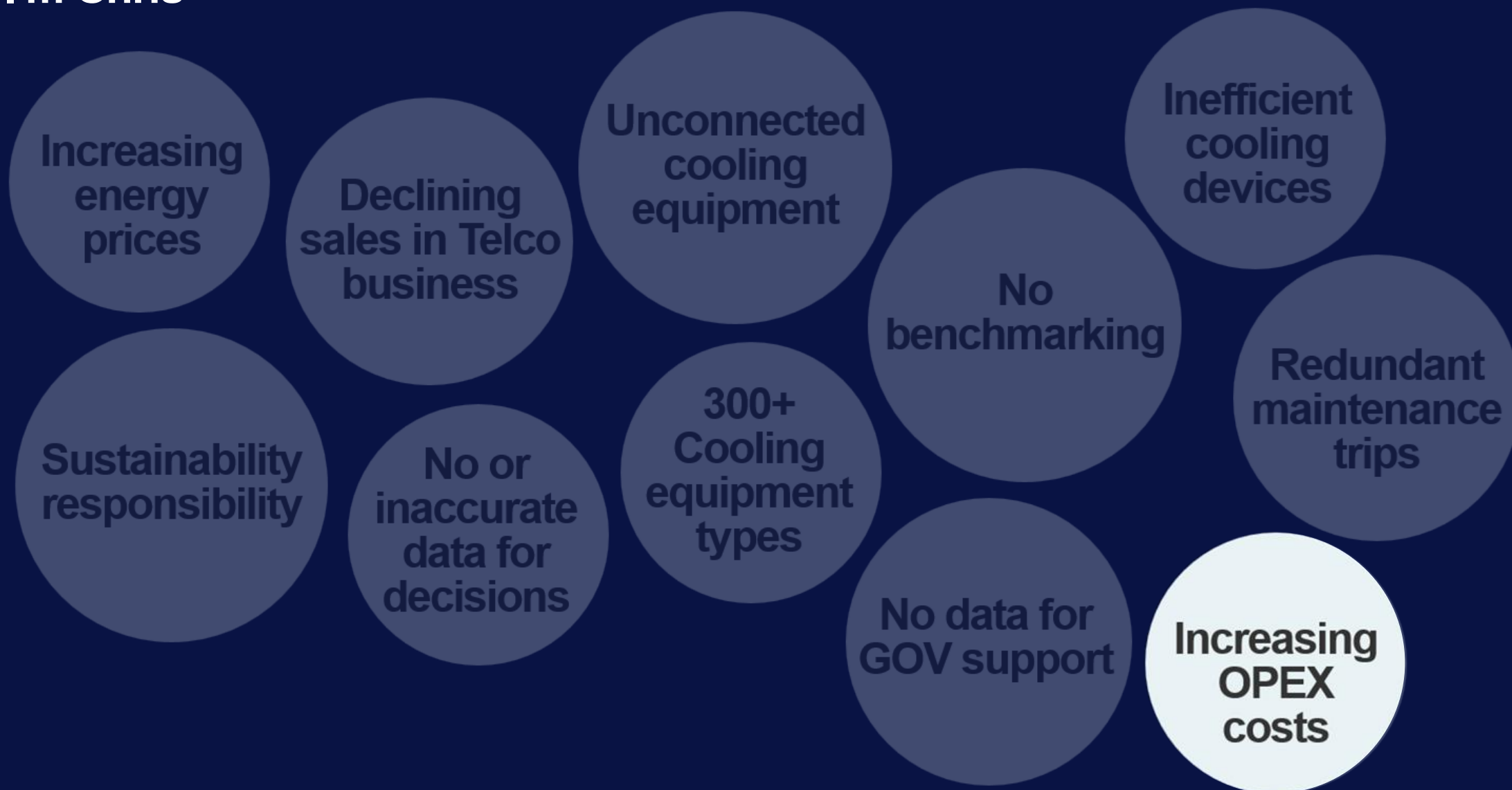
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My Journey in Operations

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My Journey in Operations > **My Pain Points**

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My Journey in Operations > **Our Pain Points**

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Summary of Our Pain Points

- increasing energy costs
- not enough data insights
- too many assumption
- unnecessary site trips
- great skills at the wrong place
- wrong material at the right place
- no infrastructure strategy
- no predictive maintenance
- slow efficiency improvements
- no benchmarks

just to name a few





Energy Consumption

Cell Tower with 5G

Radio	~ 24'000 kWh per year		60-80%	 
Infrastructure			20-40%	   



- Coolings 10-25 %
- Routers 5-10 %
- Lighting, emergency power etc 5-10 %
- Solar



1-2 %
5 %
3 %

+ 20-25 %



The Solution

INFRAVISTA

Quick and
simple to
install

Real-time
data

Connected
in seconds

Actionable
insight

Predictive
maintenance

Instant
visibility

Time
to **value**
in weeks

It is
vendor
agnostic

Modular
features

Expandable
in no time

Developed
by a **Telecom**
Team for
Telecom



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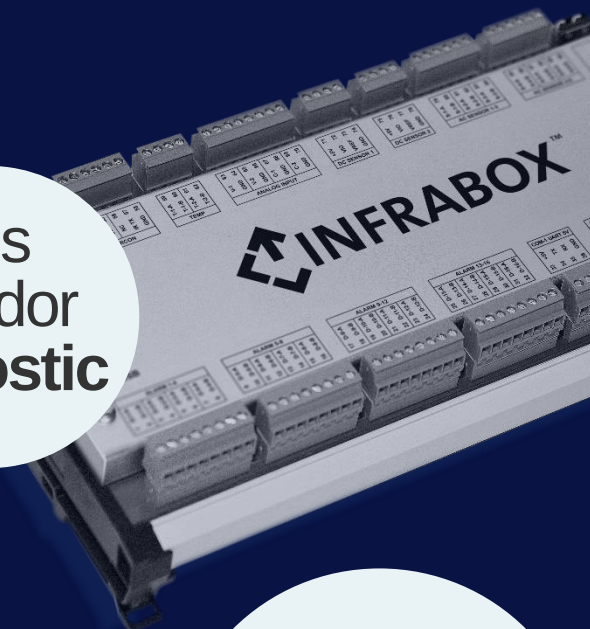
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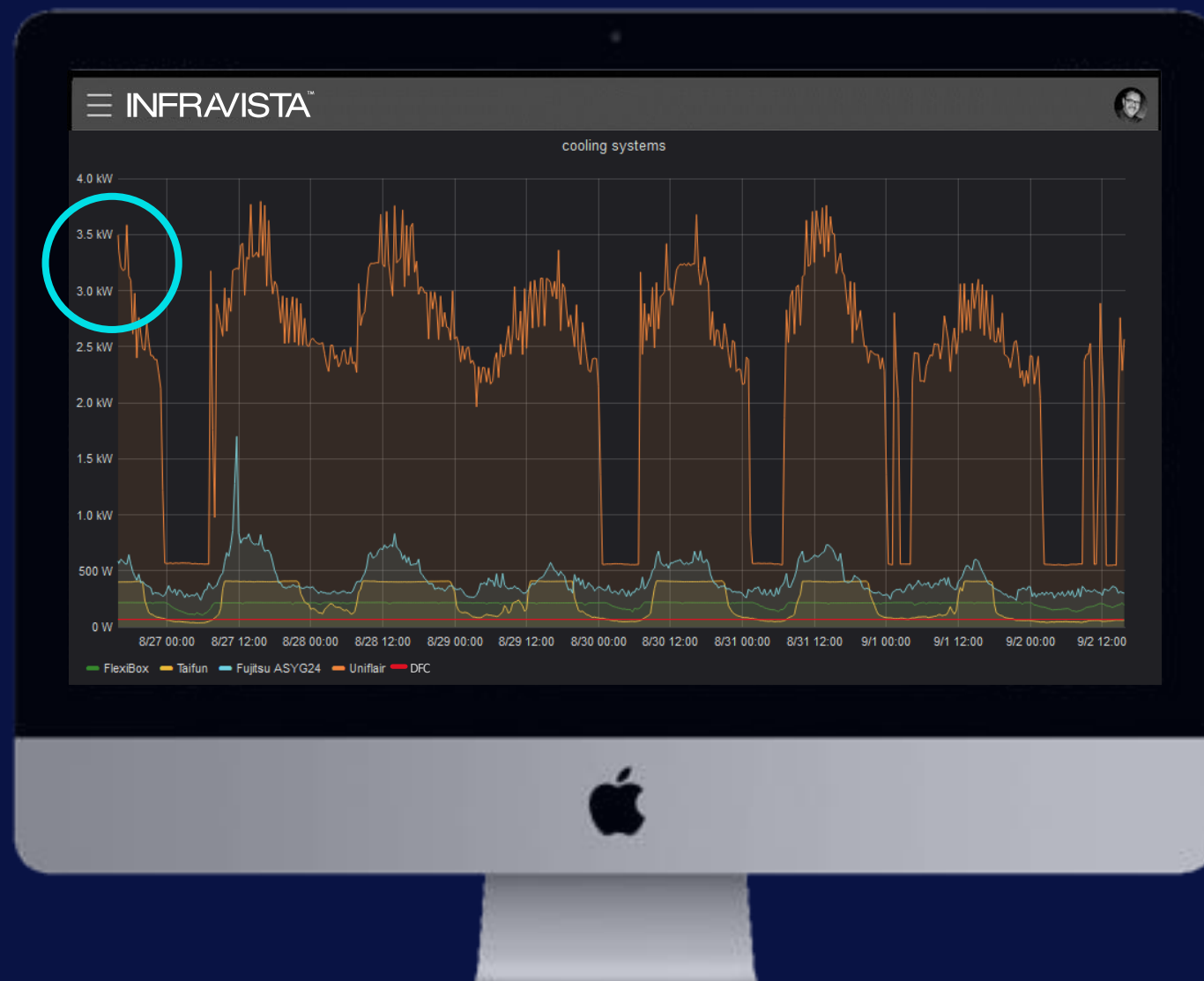


Just One of the Use Case

INFRAVISTA

Energy consumption
from our cooling
equipments.

Those data insights
helped us in shaping
the equipment strategy
and where we had to
replace the inefficient
equipment.



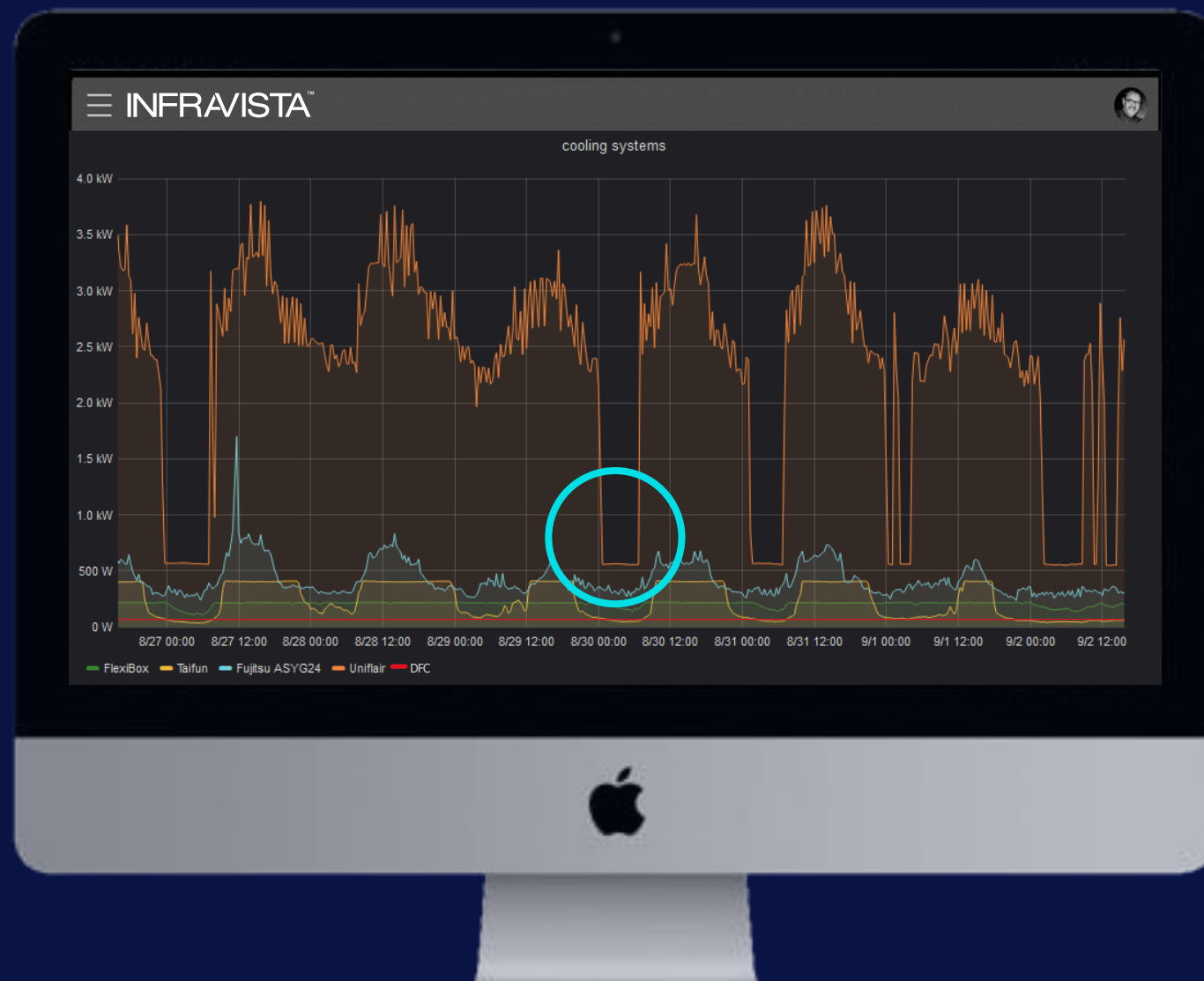


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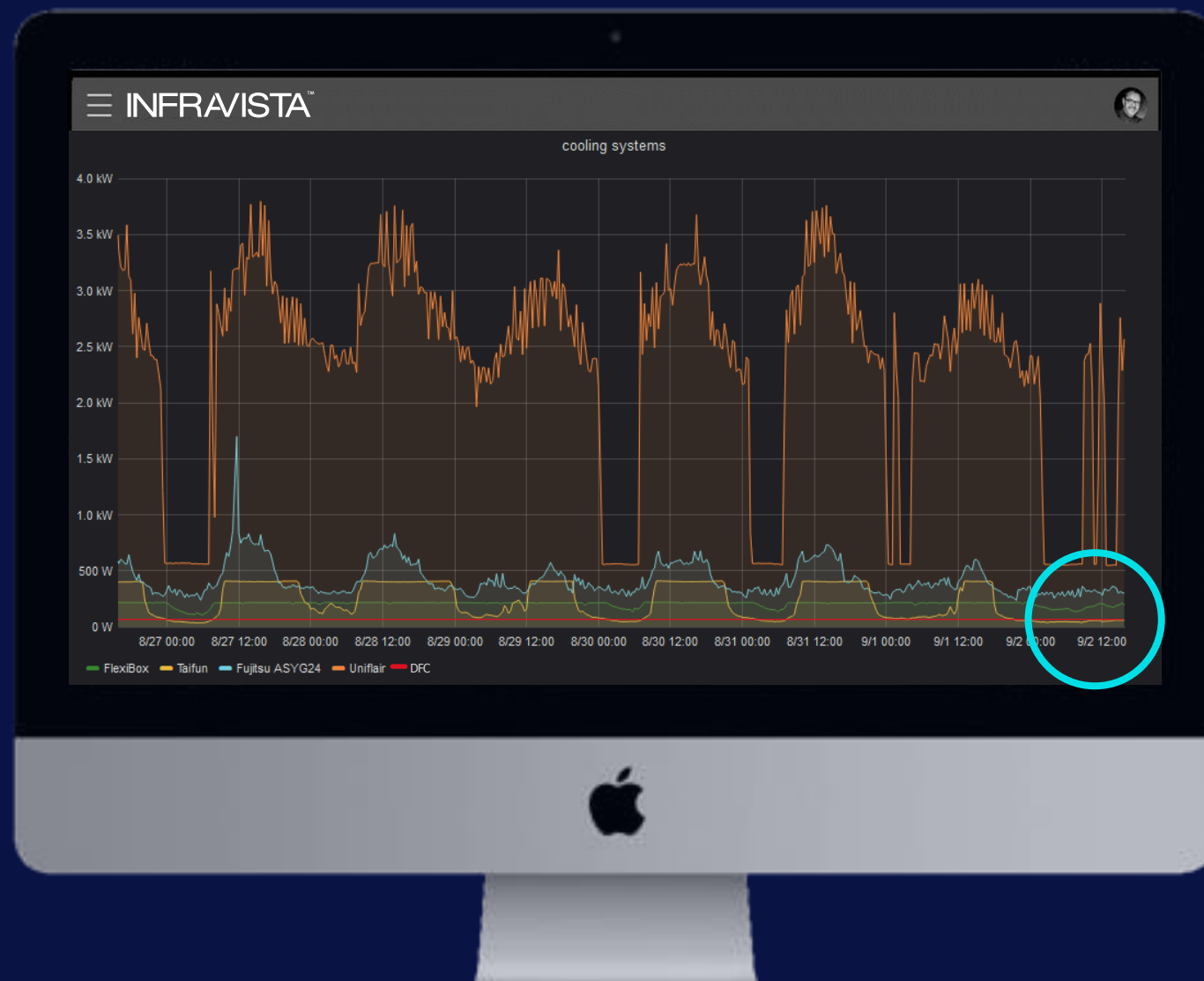


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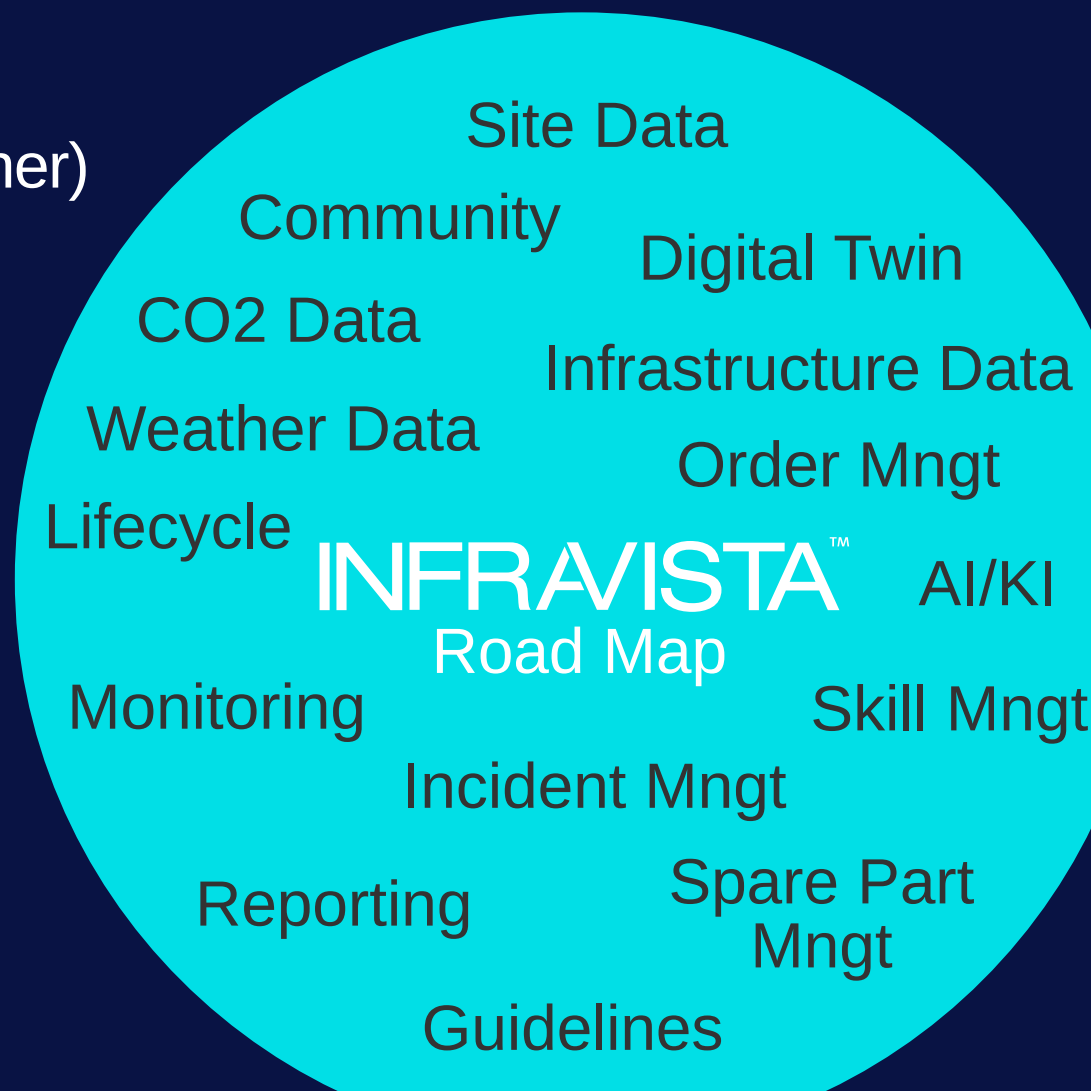
The Vision "Better Together"

Behind INFRAVISTA

The system supports:

- **Benchmarking** (learning from each other)
- **Synergies with other MNOs and Cell Tower Companies**
- **Customer key players are integrated into the development**
- **Scalable needs are implemented together, and costs can be shared**

It is consciously vendor-independent and “system open” to new technologies and interfaces.





Some Saving Facts

From using INFRAVISTA at Swisscom (2019-2025)

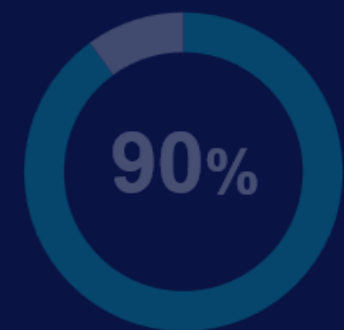
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Government
Support

€ 0.6 Mio
Maintenance
Tickets

€ 3.7 Mio
Energy
Savings

€ 0.7 Mio
Incident
Tickets

€ 1.8 Mio
Purchasing
Pricing



Reduction of
A/C Energy



Reduction of
time to solve



Reduction of
incident tickets



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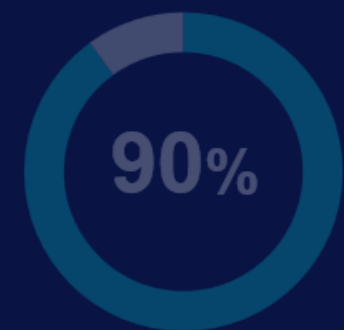
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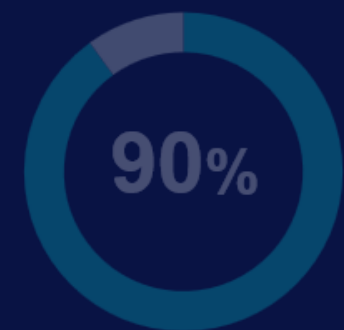
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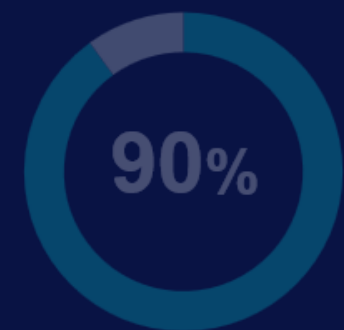
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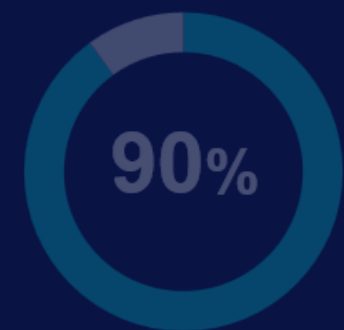
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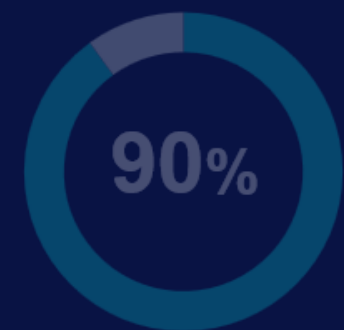
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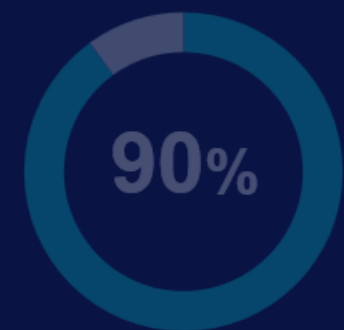
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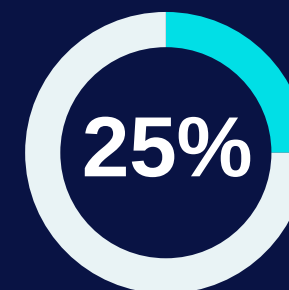
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Thank You!

Wanna know more about us?



Chris Rüttimann

Head of Cell Tower Infrastructure
at Swisscom

www.infravista.net

**Meet me and my team at our
booth D20.1 @ the 4YFN, Hall 8.1**



Christoph Aeschlimann
CEO, Swisscom
May 2019