



Wattnou®

USE CASE  
Energy Optimization for  
the Aerospace Industry

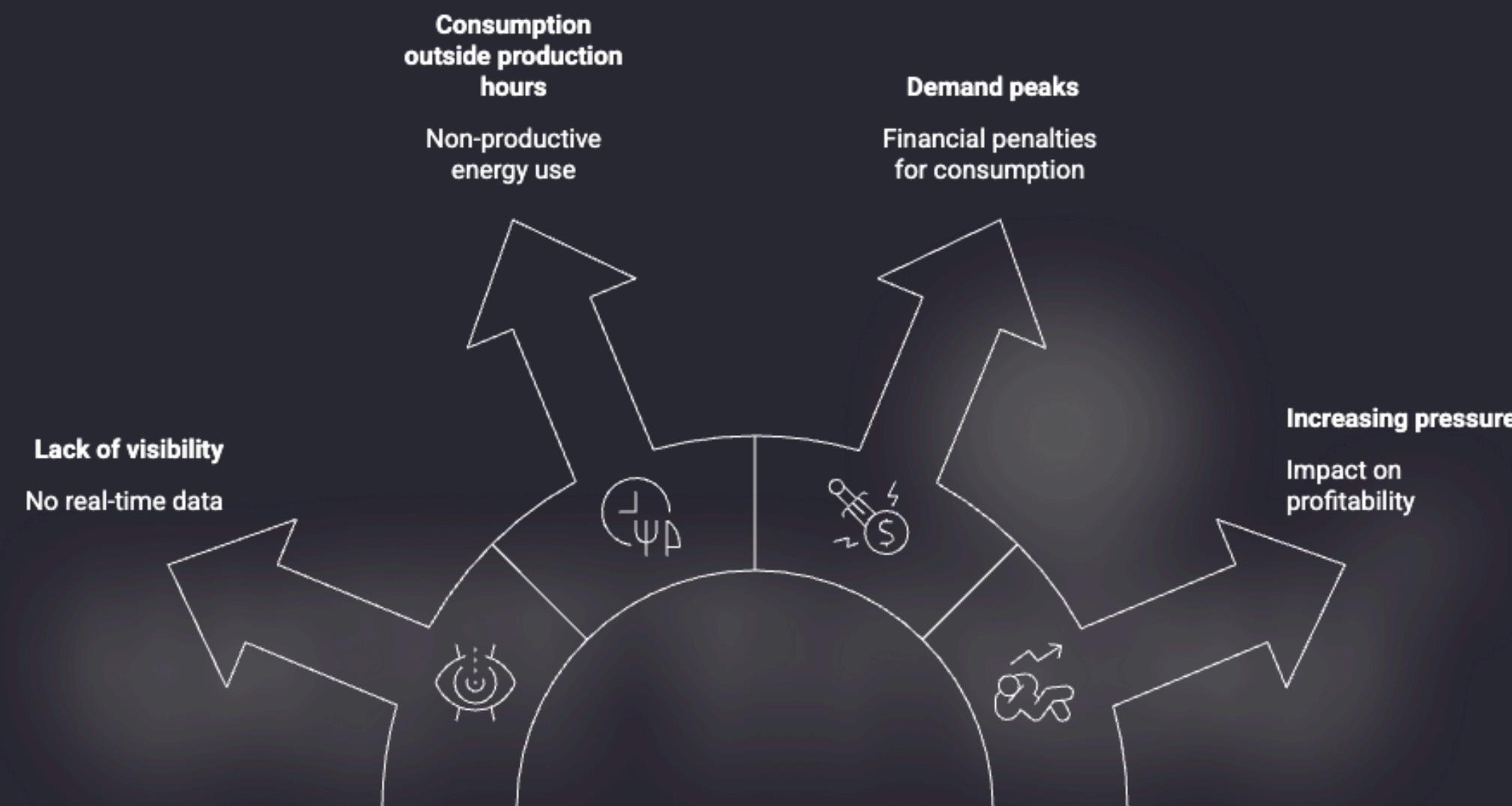




# Context & Challenges

Safran operates high-energy-intensity industrial sites, encompassing production workshops, engine test benches, industrial compressors, as well as lighting and air conditioning systems that often run continuously. Managing energy across multiple sites on an international scale represents a major challenge, characterized by high and heterogeneous consumption, a lack of real-time visibility, off-hours usage, and demand peaks that generate additional costs.

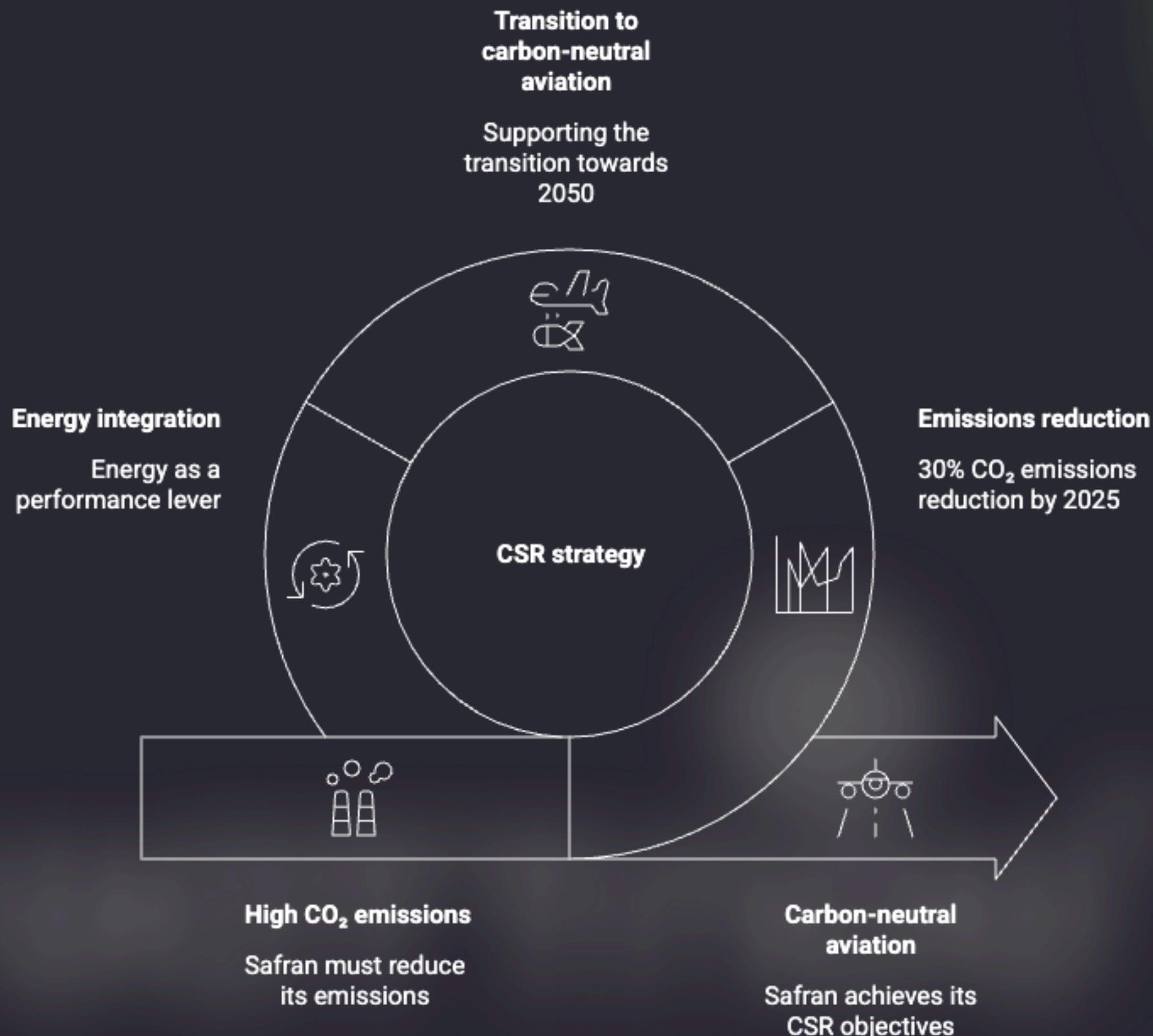
## Energy issues affect production





# Safran's Strategic Challenges

## Safran: Towards Carbon-Neutral Aviation





# Wattnow Solution

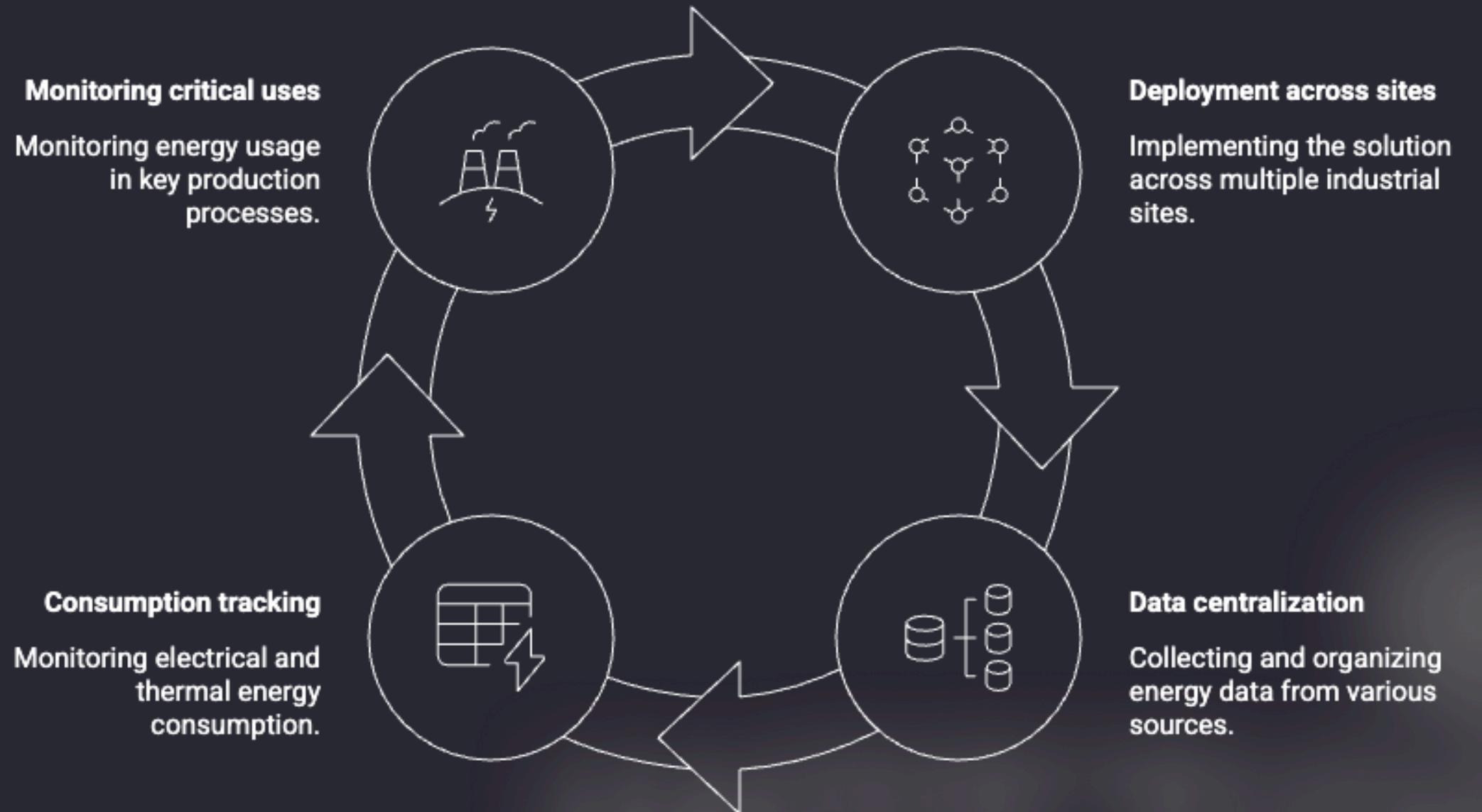
Wattnow supported Safran with a comprehensive energy management solution combining intelligent hardware and a centralized software platform. The solution enables real-time collection, visualization, and analysis of energy data across multiple sites and industrial uses. Thanks to a simple and adaptable deployment, Wattnow provides energy teams with a global, actionable view to effectively manage and optimize energy performance.





# Case Study: Safran Industrial Sites

## Safran Energy Management Cycle



**30+ sites deployed across 6 countries**

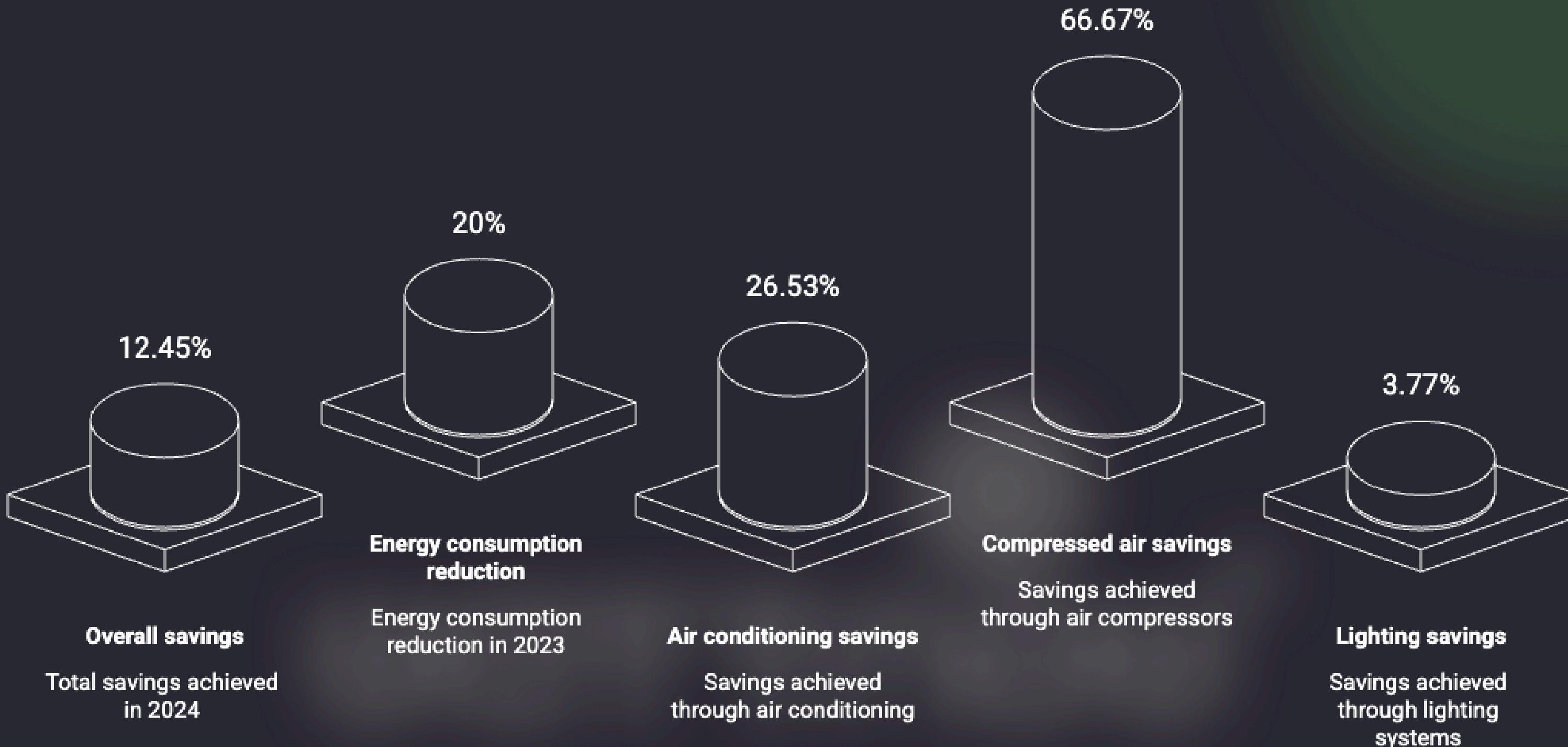




# Comment les économies ont été réalisées



## Safran Tunisia Energy and Carbon Savings





# Comment les économies ont été réalisées

## Deployment in Morocco

### Results

Air conditioning consumption reduction:  
40%

Overall savings: over  
12%

### Strategy

Air conditioning control according to specific production schedules.



### Plant

Plant equipped with more than 100 meters

### Control

Air conditioning systems, lighting systems, and blowing equipment

### Monitoring

Autoclaves, production machines, robots, etc.



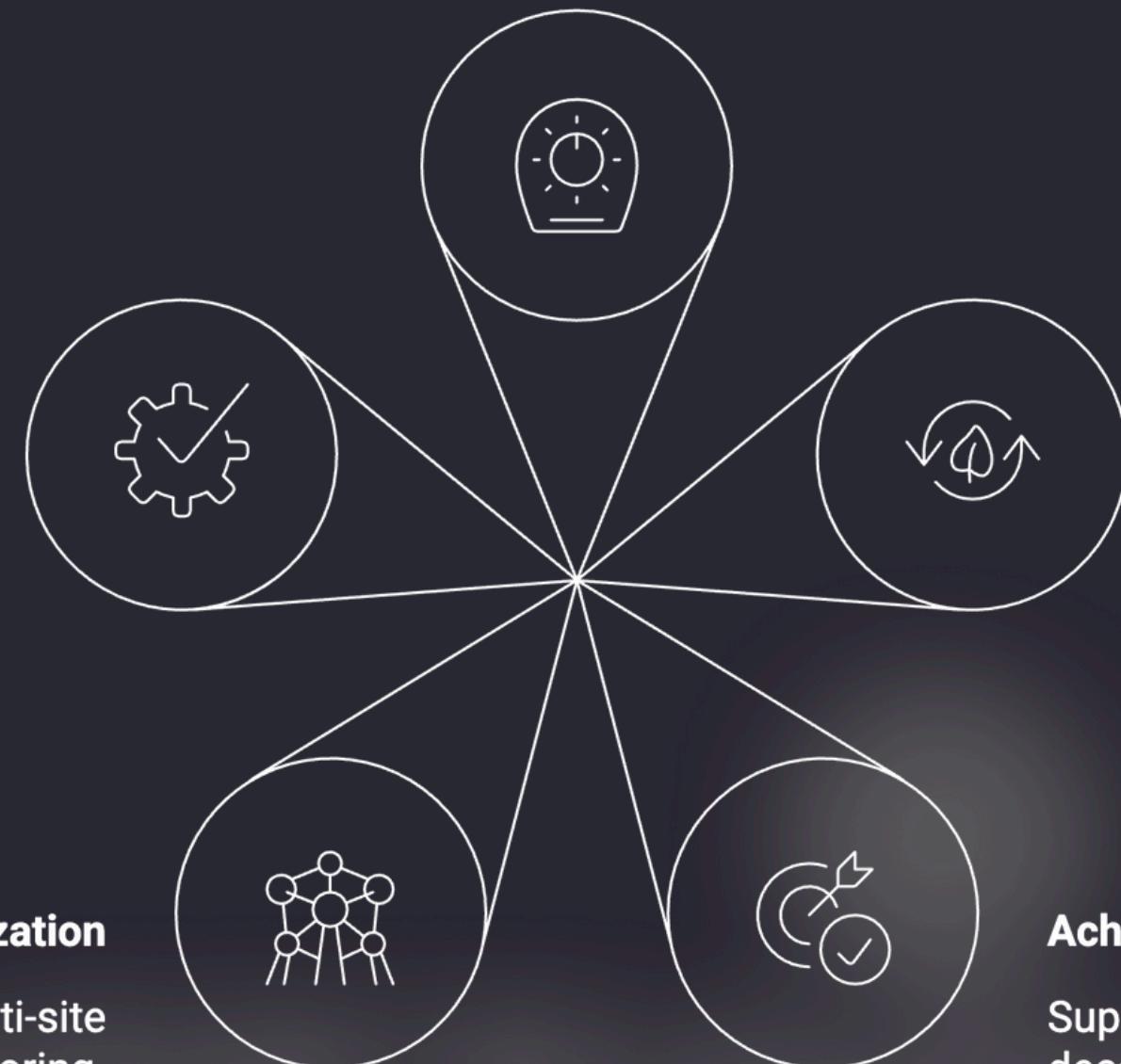
# Impact pour SAFRAN

**ISO alignment**  
Alignment with ISO standards  
(14001, 45001, 9001, EN  
9100).

**Standardization**  
Standardization of multi-site  
energy monitoring.

## Energy Management

Better control of energy  
consumption.



## Carbon reduction

Progressive reduction of the  
carbon footprint.

**Achievement of objectives**  
Support in achieving  
decarbonization objectives.



# CONCLUSION

Safran demonstrates a strong commitment to a more sustainable aerospace industry.

Implementing an efficient energy monitoring system is a key step towards carbon neutrality.

By leveraging Wattnow, Safran has strengthened its energy management system and laid the foundation for continuous, sustainable, and measurable improvement.

WATTNOW®



SAFRAN  
AEROSPACE · DEFENCE · SECURITY

# Take control of your energy today

Watnow®