



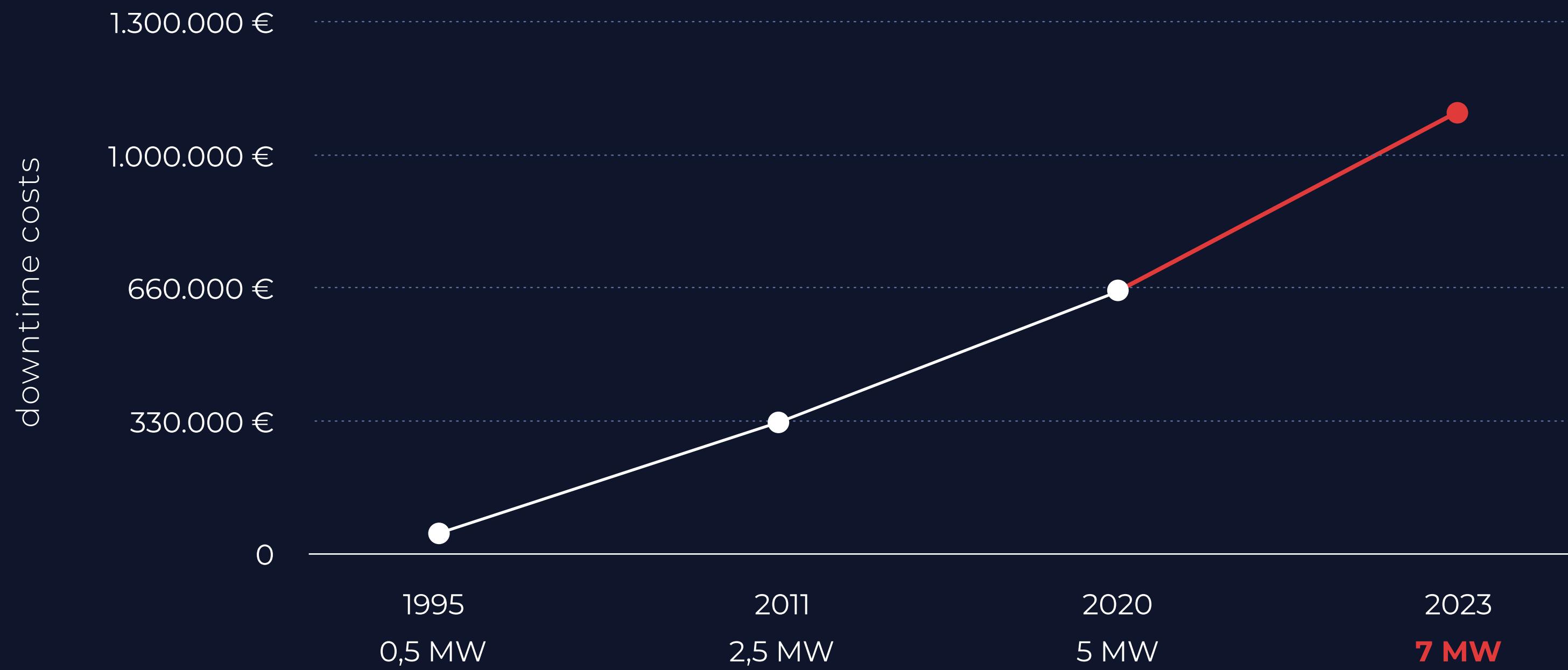
# EFICIENCIA OPERATIVA IMPULSADA POR IA

Andrea Bilbao, Head of Customer Success,  
Jornada Operativa de Parques Eólicos, 02/10/2025



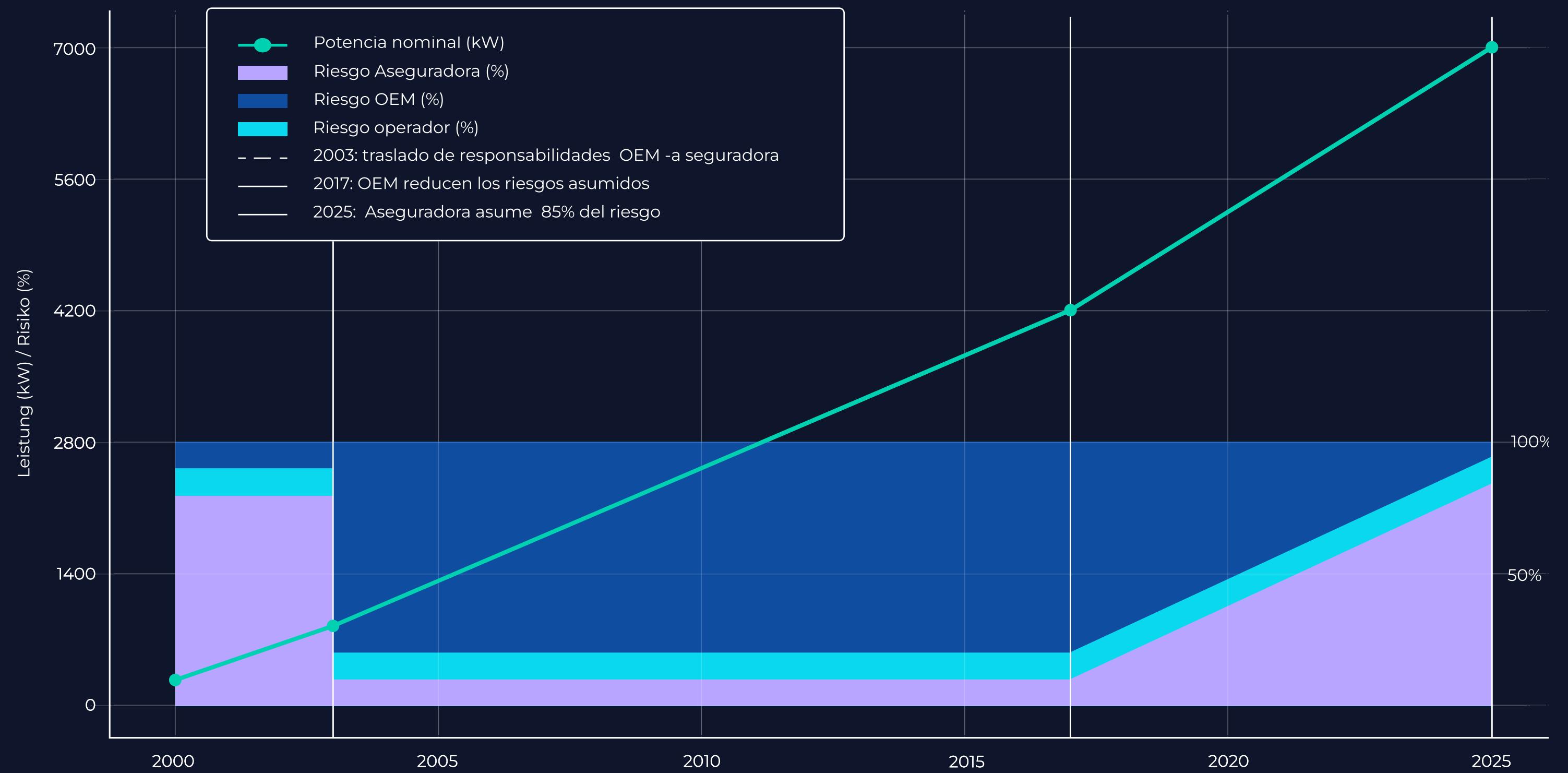
# LAS GARANTÍAS TRADICIONALES NO ESCALAN CON EL TAMAÑO DE LOS AEROGENERADORES

Costos por tiempo de inactividad por turbina durante 12 meses por MW.



**RIESGO  
AUMENTA  
QUIÉN LO ASUME?**

# TRANSFERENCIA DE RIESGO A LO LARGO DEL TIEMPO: OEM, OPERADORES, SEGUROS



## CONSECUENCIAS ASEGURADORAS

1. Aumento precios
2. Transferir el riesgo a los operadores
3. Salir de la industria

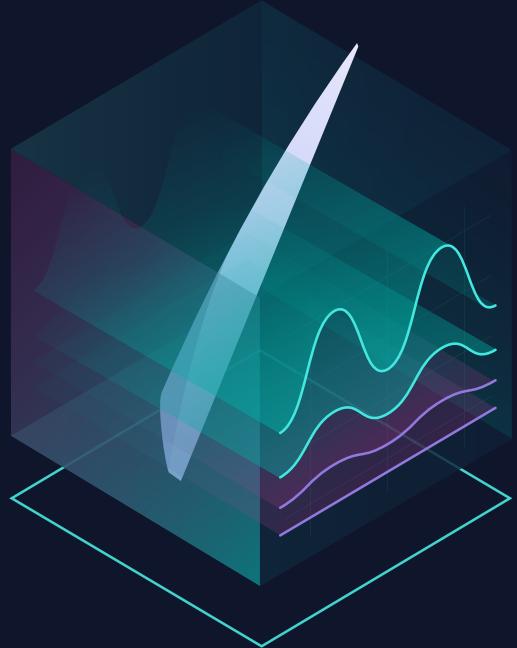
ALTERNATIVA?

# TURBIT INTELLIGENCE.



## TURBIT MONITORING

Maximize Asset Health  
and Performance with  
AI.



## BLADE MONITORING

Maximize Blade Health  
with AI.



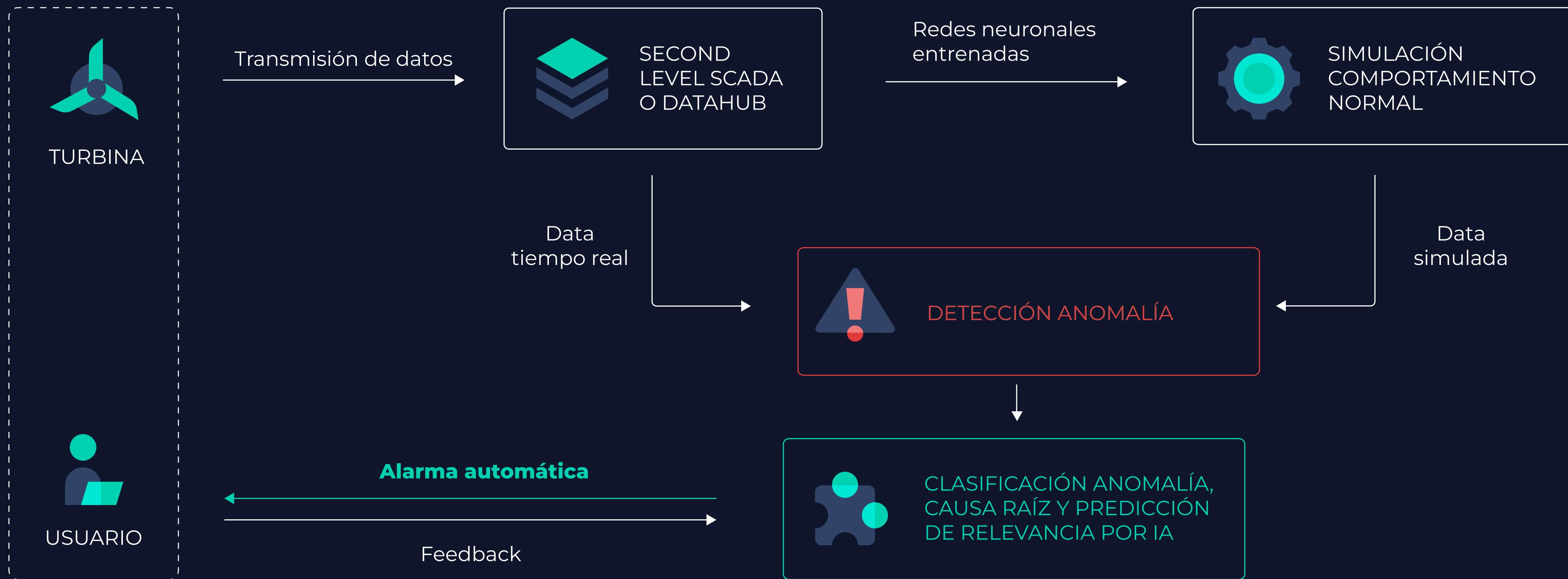
## TURBIT ASSISTANT

Supercharge  
operations with a  
powerful, tailored AI  
Assistant.

**IA ACCIONABLE PARA DECISIONES  
PREVENTIVAS, RÁPIDAS Y BASADAS  
EN DATOS**



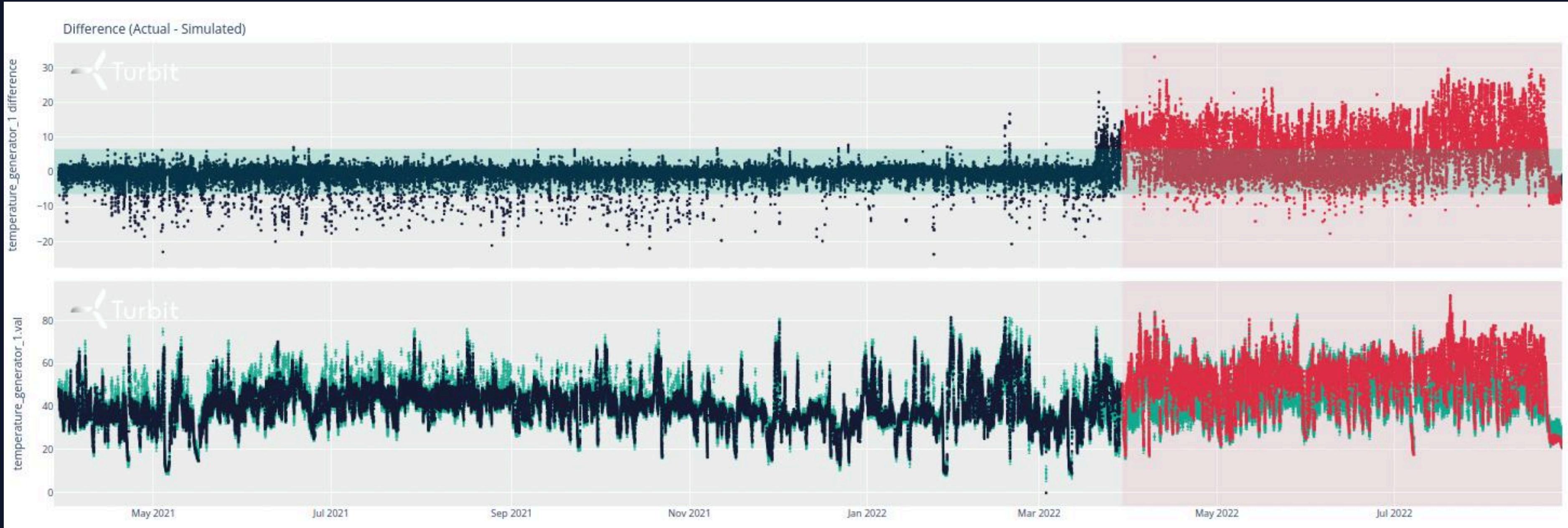
# TURBIT MONITORING





# TURBIT MONITORING

## SUCCESS STORY



1 2

3 4

● Simulation

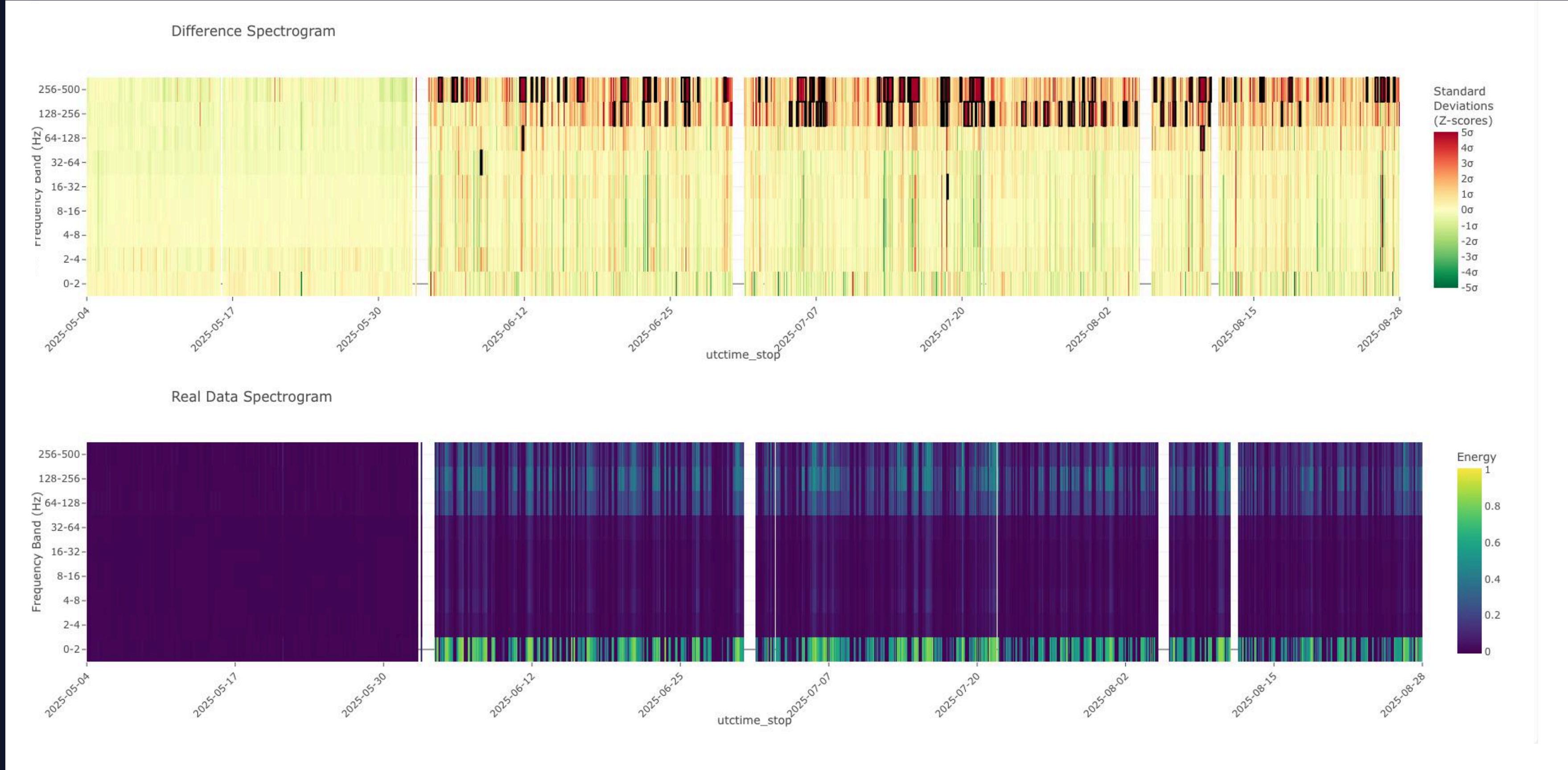
○ SCADA

● Outlier



# BLADE MONITORING

## SUCCESS STORY





TURBIT  
ASSISTANT

40%  
TIEMPO  
EMPLEADO EN  
“BUSY WORK”



BÚSQUEDA EN  
DOCUMENTOS

GESTIONAR FALLAS Y RESOLVER  
RETRASOS EN LA SOLUCIÓN DE  
PROBLEMAS



# TURBIT ASSISTANT

## LECTURA Y RESUMEN DE MÚLTIPLES DOCUMENTOS

## LISTA DE SEGUIMIENTO DE DEFECTOS AUTOMÁTICAMENTE ACTUALIZADA

## PLURIHOP RAG

30-78% MEJORA DE RESPUESTA  
CON RESPECTO A RAG  
CONVENCIONALES

According to report of Windpark-Two are there any actions required? If so, give me a list of actions per wind turbine.

### W02T01:

- Immediate attention required for the main gearbox.
- Monitor the condition of the main/rotor bearing, as it shows early signs of wear.

### W02T02:

- Routine inspection needed for the main gearbox due to minor discrepancies in operational data.
- No immediate actions required for the main/rotor bearing.

Doc 1.pdf

Please update the defect list of Turbine W03T03 with data from the attached document.

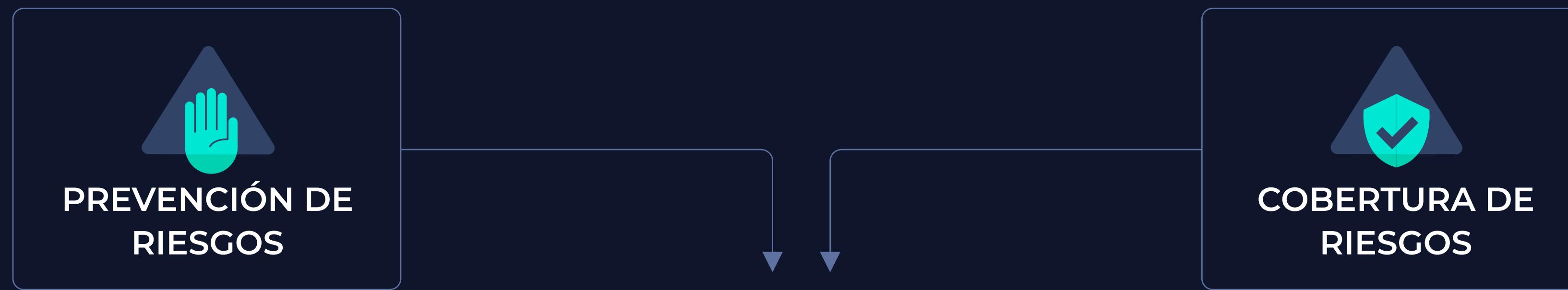
| Priority | Source | Component    | Date of Initial Identification | Issue Description   | Timeline  | Update  |
|----------|--------|--------------|--------------------------------|---|---|---|
| Medium   | W03T03 | Main gearbox | 2016-04-25                     | Oil contamination detected; high zinc levels suggest mixing with zinc-containing oil or residues. Cleanliness below recommended standard. | 2016-04-25: Contamination detected, filter replacement advised.<br>2019-07-16: Increased copper levels, but oil within standards. Further monitoring advised. | Report confirms oil cleanliness meets standards. No new defects. Priority remains Medium. |

Please update the defect list of Turbine W03T03 with data from the attached document.

| Priority | Source | Component    | Date of Initial Identification | Issue Description  | Timeline   | Update   |
|----------|--------|--------------|--------------------------------|--|--|--|
| Resolved | W03T03 | Main gearbox | 2016-04-25                     | Contamination detected in oil; high zinc levels suggest mixing with zinc-containing oil or residues. Oil cleanliness below recommended standard. | 2016-04-25: Contamination detected, filter replacement advised.<br>2019-07-16: Increased copper levels, but oil within standards.<br>2022-10-23: All values within tolerance, no deviations. | Latest lab report confirms contamination resolved. Priority updated to Resolved. |



# TURBIT BLUE



AI INSURANCE

EL FUTURO DE LA ENERGÍA EÓLICA  
SERÁ COLABORATIVO, O NO SERÁ.

# CONECTEMOS.



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