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# Extending Wind Turbine Lifespan with UL Solutions



**Safety. Science. Transformation.™**

## Challenge: Maximizing Wind Asset Lifespan

As a leading company specializing in wind farm construction and operation, Eurowatt faced a challenge: determining the additional lifespan achievable for their wind assets. Their strategic goal was to position themselves beyond the typical 20-year service life—whether through asset continuation or repowering (replacing existing turbines with newer, more powerful ones). The objective was clear: submit analysis conclusions to turbine manufacturers for negotiations regarding Operations and Maintenance (O&M) contracts.

## Solution: Pioneering LifeTime Extension Studies

Eurowatt embarked on groundbreaking LifeTime Extension (LTE) studies, exploring the uncharted territory of extending wind turbine life beyond the expected duration. With limited local experience in France regarding end-of-life wind assets, Eurowatt needed to validate results not only internally but also with O&M providers, banks, and insurers.

UL Solutions stepped in to provide expertise for conducting studies, analyses and delivering conclusive recommendations, working closely with the customer.





## Results: Reliability and Professionalism

UL Solutions provided the following to support Eurowatt's LTE studies:

- 1. Timely Reports:** reports were delivered promptly.
- 2. Comprehensive Analyses:** 35 years of renewable energy expertise provided comprehensive and conclusive analyses.
- 3. Cost Compliance:** transparent pricing provided clear visibility.\*

In summary, Eurowatt, with the important support of UL Solutions, successfully navigated the complexities of wind asset management.

“At Virya Energy - Eurowatt, one of our primary challenges is to determine the additional lifespan of our wind assets. UL Solutions offered studies, analyses, and relevant conclusions. Our collaboration was seamless, and we really appreciated the strong commitment of UL Solution's teams. The results perfectly met our expectations: timely reports, comprehensive analyses, cost compliance etc... — all thanks to UL Solution's reliability and professionalism.”



**Paul Tummers**  
CEO of Virya Energy  
Eurowatt and Eoly



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