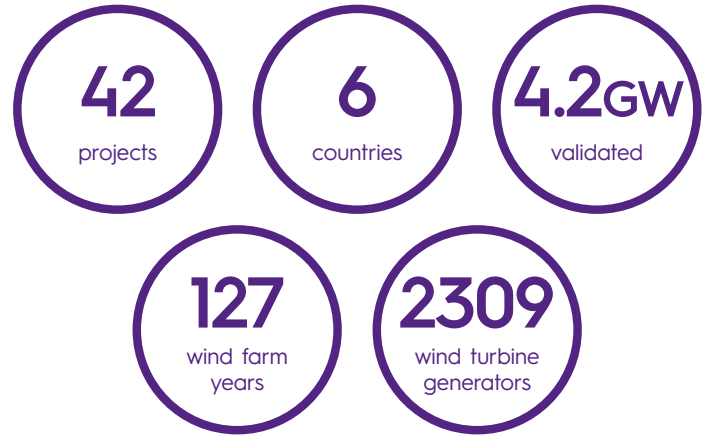


# Natural Power Energy Yield Validation



Since 1996 Natural Power has been conducting regular finance grade independent energy yield assessments and operational energy yield analyses.

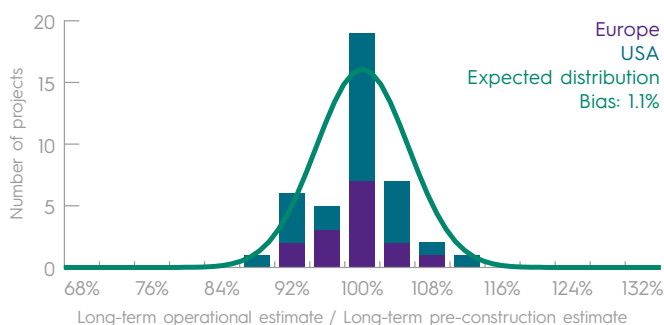


This analysis provides a transparent demonstration of Natural Power's pre-construction energy yield assessment performance on a wide range of sites with varying complexity in North America and Europe.

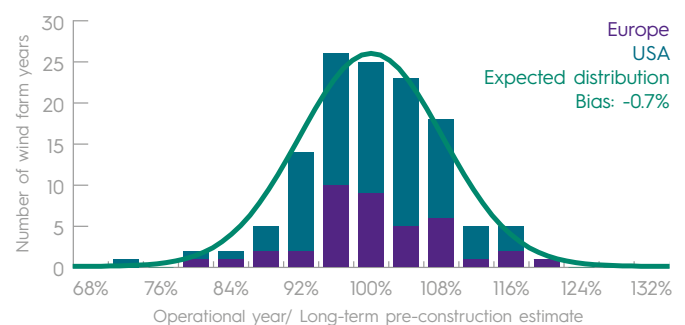
Expected wind farm performance is informed by our operational and site management experience operating 130+ assets and 1200 turbines and conducting regular investigations of project and turbine performance.

Natural Power maintains an internal database which allows the actual production of wind farms to be compared with pre-construction projections. We have conducted a detailed investigation of how these operational wind farms have performed in relation to the pre-construction predictions. With a wide variety of tools, both industry standard and developed in-house, the pre-construction yield methodology is tailored to project specific considerations to ensure the most accurate prediction.

## Long-term results



## Single year results



// Through our consistent focus on technical innovation, including the use of bespoke software, we are well placed to address project risk and to offer expert advice and unique solutions for assessing more challenging sites //

**Lauren Wheatley**, Director of Technical



# Natural Power Energy Yield Validation

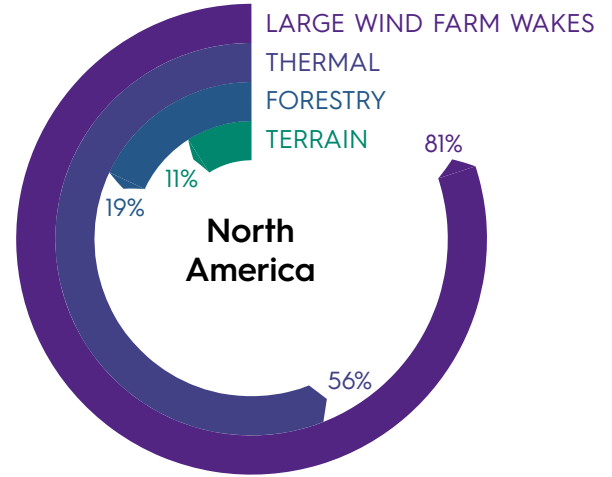


Natural Power continues to maintain this energy validation database and publishes updated validation results periodically.

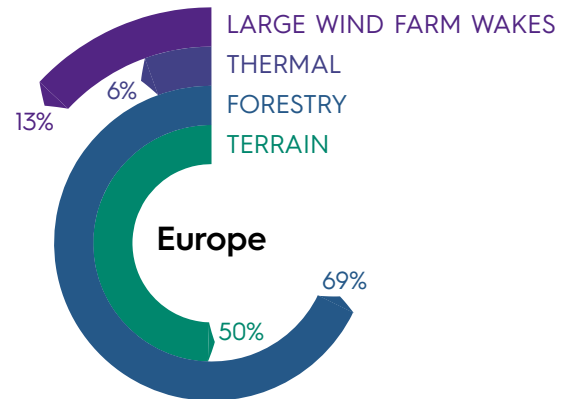
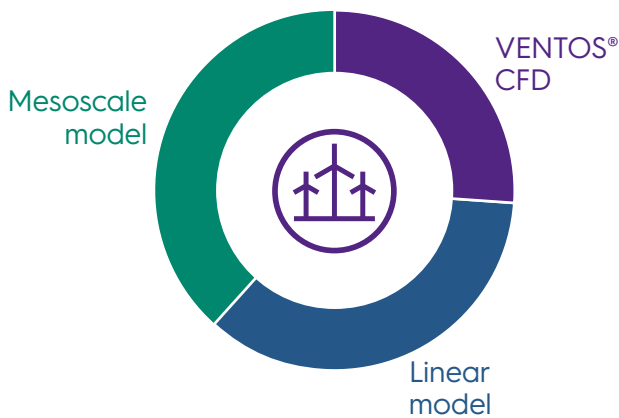
Working on a range of site complexities, we are able to fine tune our methodologies to address any number of challenges on a site.

Outcomes of validation exercises inform our continuous improvement and allow us to prioritise our methods and innovations development for items such as spatial modelling, time series based energy yield predictions, wakes, site-specific secondary loss and uncertainty refinements.

Projects by complexity



Projects by spacial model



Validation study regions





For more information contact:  
**Selena Farris**  
Senior Technical Manager - Methods & Innovation  
[selenaf@naturalpower.com](mailto:selenaf@naturalpower.com)

