

# NEXT GENERATION NEW POSSIBILITIES

INTRODUCING  
GLOBLADE®

[lmwindpower.com](http://lmwindpower.com)

**LM** WIND  
POWER  
Blades

# Next generation 1.5 MW blade

This blade concept will extend the market lifecycle of existing 1.5 MW turbines and breaks with current practices, where the blade needed to be customized to each individual turbine.

GloBlade® is designed to fit a broad field of design platforms for today's 1.5 MW turbines and optimizes energy production up to 4-5% - with the existing turbine design!

Highly efficient and designed to fit a broad spectrum of today's platforms, GloBlade® extends the lifecycle for 1.5 MW turbines. Because it can be used on your existing turbine platforms and in low-wind regions, GloBlade® allows you to immediately open new markets in wind classes III and IV around the world.

## Main wind class applications

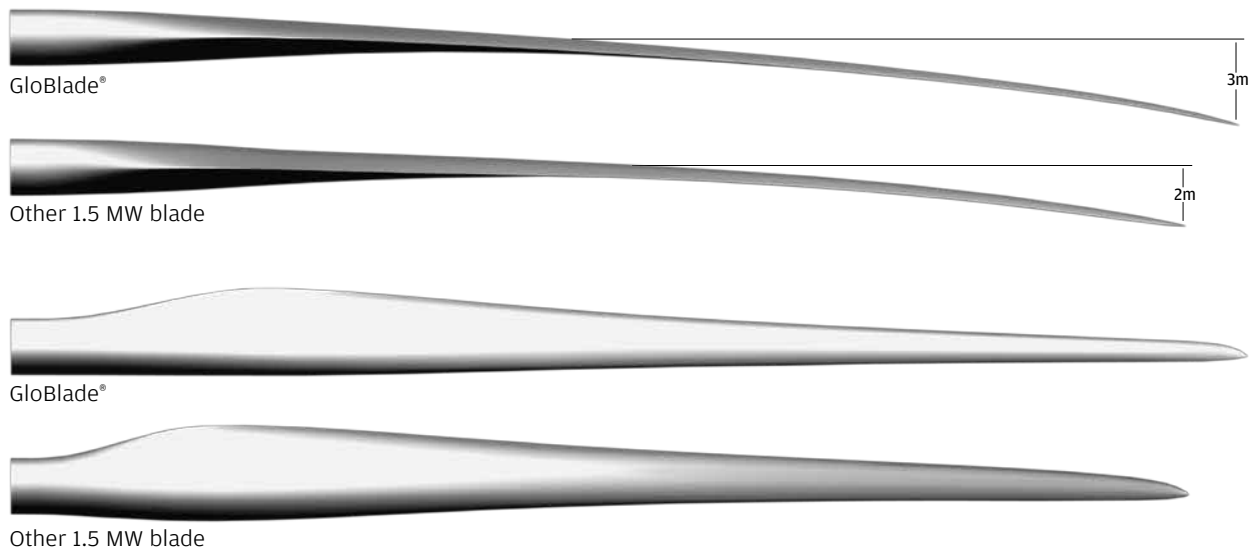
GloBlade® sets new standards for cost of energy from wind. This highly efficient blade expands the possibilities for power generation into lower wind areas in classes III and IV across the world.

## Wind tunnel development

We have used our design experience, bespoke wind tunnel and superior material technology to design a longer, slimmer blade with a superior aero profile which significantly improves AEP.

## Availability

We have built in supply-chain flexibility to allow for production in multiple locations. The blade designs are available in all LM plants with the same quality and certification.



## GLOBLADE® RANGE

Currently, the GloBlade® series includes:

[GloBlade®1 42.1](#)  
[GloBlade®2 43.x](#)

## GLOBLADE® ADVANTAGES

GloBlade® offers significant advantages to our customers, including:

- Extended market of existing design platform for 1.5 MW turbines
- LM Wind Power wind tunnel developed airfoil design
- Pure plug and play - minimised weight and moment
- 4-5% extra AEP for similar blade mass
- Take existing wind turbine designs into lower wind classes



State-of-the-art airfoil development in LM Wind Power's wind tunnel facility



Mapping glass fiber material properties brings mega watt results

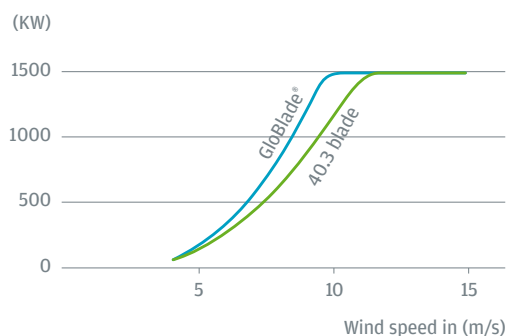


Process excellence throughout the entire global production

## LM WIND POWER - THE POWER TO DELIVER

We again prove our leadership within rotor blade design by bringing the first series of GloBlades® to the market.

Considering the current value of generated electricity, a 4-5% increase in AEP over the normal lifetime of the wind turbine (20 years) should pay for the blade set outright.



PowerPlay  
- a small increase in  
AEP delivers a lot

### MAIN WIND-CLASS APPLICATIONS

<b>GloBlade®</b>	<b>42.1</b>	<b>43.x</b>
Est. blade mass (kg)	5900	6500
Est. moment (kNm)	763	950
AEP compared to LM 40.3	+4.9%	+8.2%



## CONTACT LM WIND POWER

### Headquarters

LM Wind Power Blades  
Jupitervej 6  
6000 Kolding  
Denmark

Tel +45 79 84 00 00  
Fax +45 79 84 00 01  
info@lmwindpower.com

### Global Business Office - Amsterdam

LM Wind Power  
WTC, H8  
Schiphol Boulevard 357  
1118 BJ Schiphol  
The Netherlands

Tel +31 20 30 43 700  
info@lmwindpower.com

## The Power to Deliver

LM Wind Power is the world's leading manufacturer of wind turbine blades. We have a global footprint and are a valued partner in established and emerging markets all over the world.

We work closely with our customers to reduce the cost of energy and continue to invest in research and development. In addition to our own wind tunnel, we now have a new technology center to ensure that your turbines continue to generate ever more power.

LM Wind Power represents the state-of-the-art in blade technology. To further support our customer base we have also sharpened our focus on service and logistics. In 30 years, we have produced more than 130,000 blades from 5 to 61.5 meters and continue to establish our position among the world leaders in the growing wind power industry.