

Qnakata

UK

WIND POWER RESOURCES

Revolutionising wind energy through aerodynamic innovation



COMBINE
TECHNOLOGY

ABOUT ANAKATA

Background

- In all Wind Energy, the first energy transfer occurs with the aerodynamics:

‘All efficiency gains in other areas of wind power are only a fraction of what the wind to mechanical torque interface will give you’

- We use best classical Wind Turbine practise & design standards combined with the innovation and technology techniques of Formula One Aerodynamics.
- Founded in 2012, initially developed high performance micro-turbines, but switched strategies to commercial (1MW+) class turbines at the end of 2016.
- We received some small Angel Investor funding early stage and were awarded UK Department for Energy and Climate Change (DECC) EEF grant funding for design and development of an advanced rotor demonstration of MW-class technology.
- 2 Patents granted, 1 under application and several in the IP pipeline.

Supported by:



ABOUT ANAKATA

Operations Summary

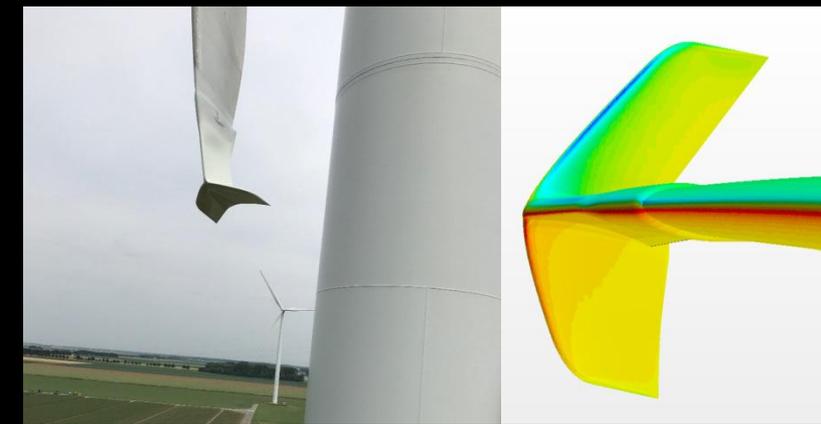
- Design Consultancy for several OEMs in whole blade & add-on
- Develop factory and retro-fit add-ons with OEMs
- Started to produce a range of continually developing products that is now available to Wind Farm Owners, Utilities and Operators
- Developed a supply and installation chain for innovative and class-leading products at competitive prices
- Several live projects at design, trial or pre-production stage, including:
 - **Blade Retro-fit Add-on project for off-shore wind farm, to supply a very large UK Utility**
 - **Blades design and Add-ons for one of the three largest blade manufacturers in the world**
 - **Factory fit Device project with a top 10 wind turbine manufacturer (+2MW Class)**
 - **Factory fit Device project (winglet) with leading 1MW wind turbine manufacturer**

Working innovation relationships with Oxford, Cambridge and Hong Kong Universities

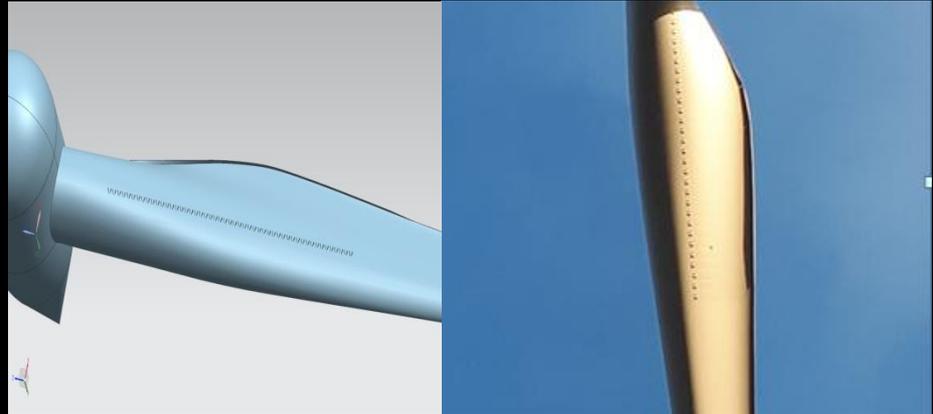
ANAKATA OPPORTUNITY

Tailored Suite of retrofit Add-ons or factory fit Devices:

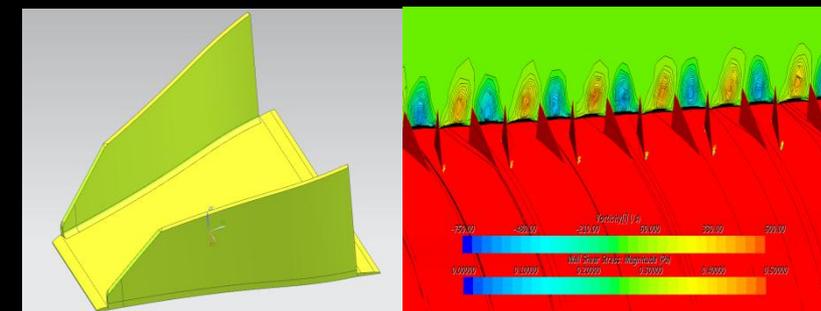
Examples of Best-in-Class Design and Unique Anakata Innovative Products



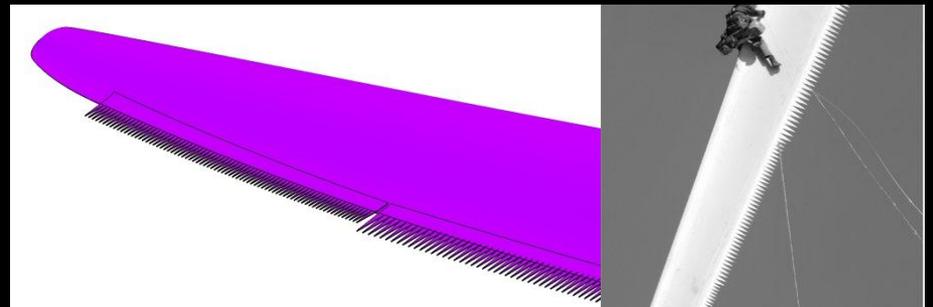
Anakata Patent Applied Winglet



Anakata Bespoke Gurney Flap



Anakata Bespoke Vortex Generator



Anakata Bespoke Serrations

ANAKATA OFFERING

Business Model Examples in Operation

Supply and fit of Vortex Generators and Gurney Flaps to Large Scale Utility Farm UK

Cost of Analysis and development	: £ 20000
Kit Energy Boost	: 2-3% Annual Energy Production
Cost of Trial Parts (3 Turbines)	: £ 8000
Await trial results (3-6 months post trial)	
Supply of 80 Turbine Kits	
Agree Pack price	: £ 6000/turbine
Cost of Parts	: £ 850/turbine
Total Revenues/Profit/Margin	: £ 480000 / £ 384000 / 400%

Development/Design License for Retro & Factory-Fit Winglet for Turbine Manufacturer

Cost of Analysis and development	: £ 30000/Partially OEM covered
Winglet Energy Boost	: 3-5% Annual Energy Production
Cost of Trial Parts	: OEM Covered
Deployment License Deal 2000 Sets	: £500000 one-off fee perpetual
Patent Protected Design	: license or £1000/turbine
	: £2000000 / Margin +500%

ANAKATA MANAGEMENT TEAM

Highly Technical and Technical Sales Based Team

Ben Wood

- CEO/CTO

Founder is Ex-Chief Aerodynamicist at Mercedes Grand Prix F1 Team (2009-2012) managing £12million development budgets to develop best Aerodynamic Solutions and Innovation and compete with the worlds cleverest engineers

Nicholas Gaudern

- Technical Director

Ex-Lead Blade designer at Vestas responsible for all aspects of some of their latest and biggest blade designs including V120 and V130 turbines

Paul Monaghan

- Commercial Projects Manager

Industry experienced Commercial and Project Manager for several green sustainability products and services including Biomass projects

There is no existing company with Anakata Skills offering these innovative products

ANAKATA USE OF FUNDS

Financing the Tailored Suite of Add-ons and Factory-Fit Devices Sales/Licensing

- Anakata seek £250-500K to accelerate our proven product sales and licensing deals until sales revenues finance growth operations fully. We also have a more aggressive raise strategy (£4m) involving a takeover of a current established Add-on Sales provider to buy in an 'instant sales pipeline'
- Global Scale Marketing Push to increase Sales and Sales Presence
- Extra In-House Engineering Resource for loads calculations to compliment and expand our existing Analysis and Design process and facilitate expanding sales
- Nature of wind turbine market requires up-front Analysis and Design (sometimes Prototype trial) investment to secure trial deals. Further resource often required to realise eventual high-margin revenues
- Continued IP development and protection

Qnakata[®] **UK**

WIND POWER RESOURCES

THANK YOU