



# **Small wind turbines – steady progress**

All Energy

19 May 2010

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Ampair

# renewableUK

- Established in 1978
- 600 corporate members
- Wind and marine energy



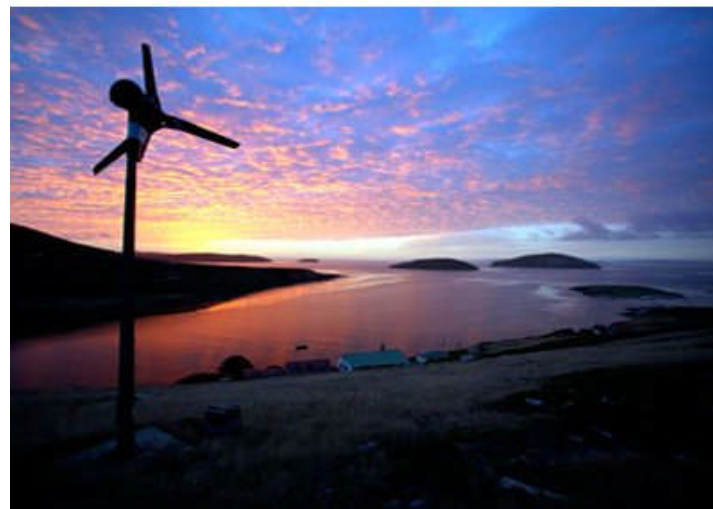
- Voice of the UK small scale wind sector

# Small wind system designs + setup

- Micro - 0 – 1.5 kW
- Small - 1.5 – 15 kW
- Small-medium - 15 – 100 kW

Freestanding / Building mounted  
Horizontal axis / Vertical axis

Off grid / On grid  
Heat applications



# Small wind system UK market report 2010

## Launched at ISWC2010

Introduce technology

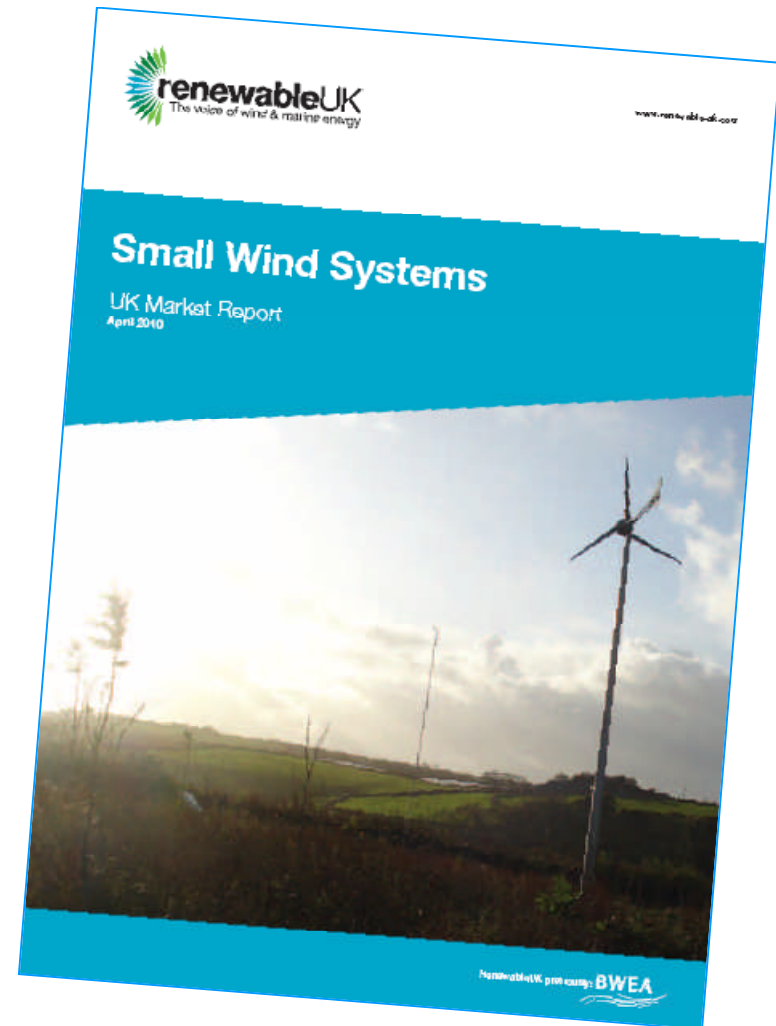
Aid industrial awareness

Support policy development

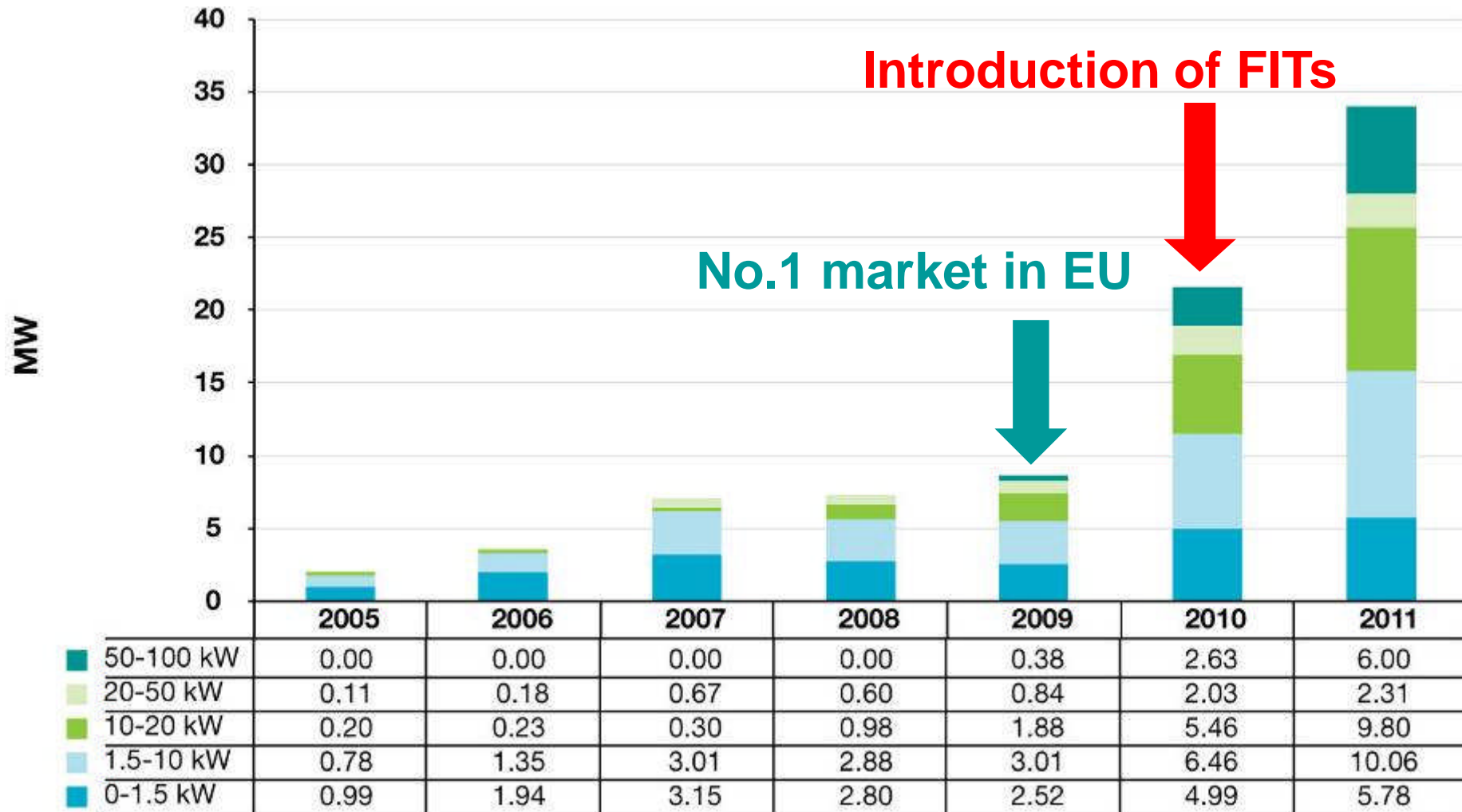
Historic data – 2005-2009

Market forecast – 2010-2011

Assesses the size + dynamic of  
UK market for small wind systems

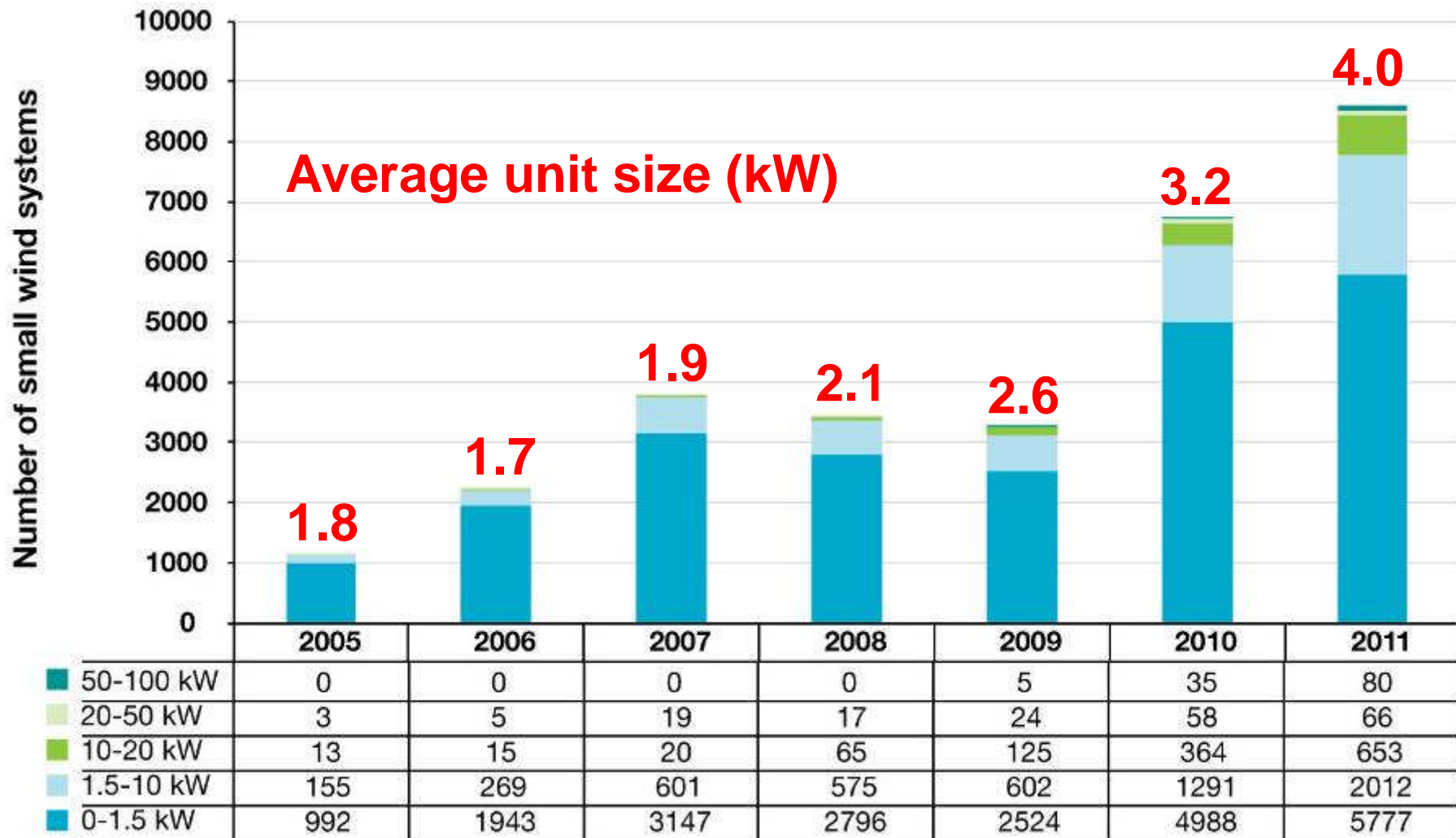


# UK annual deployment 2009 – 8.62 MW (+19% on 2008)



# UK annual deployment

## 2009 – 3,280 systems installed (-5% on 2008)

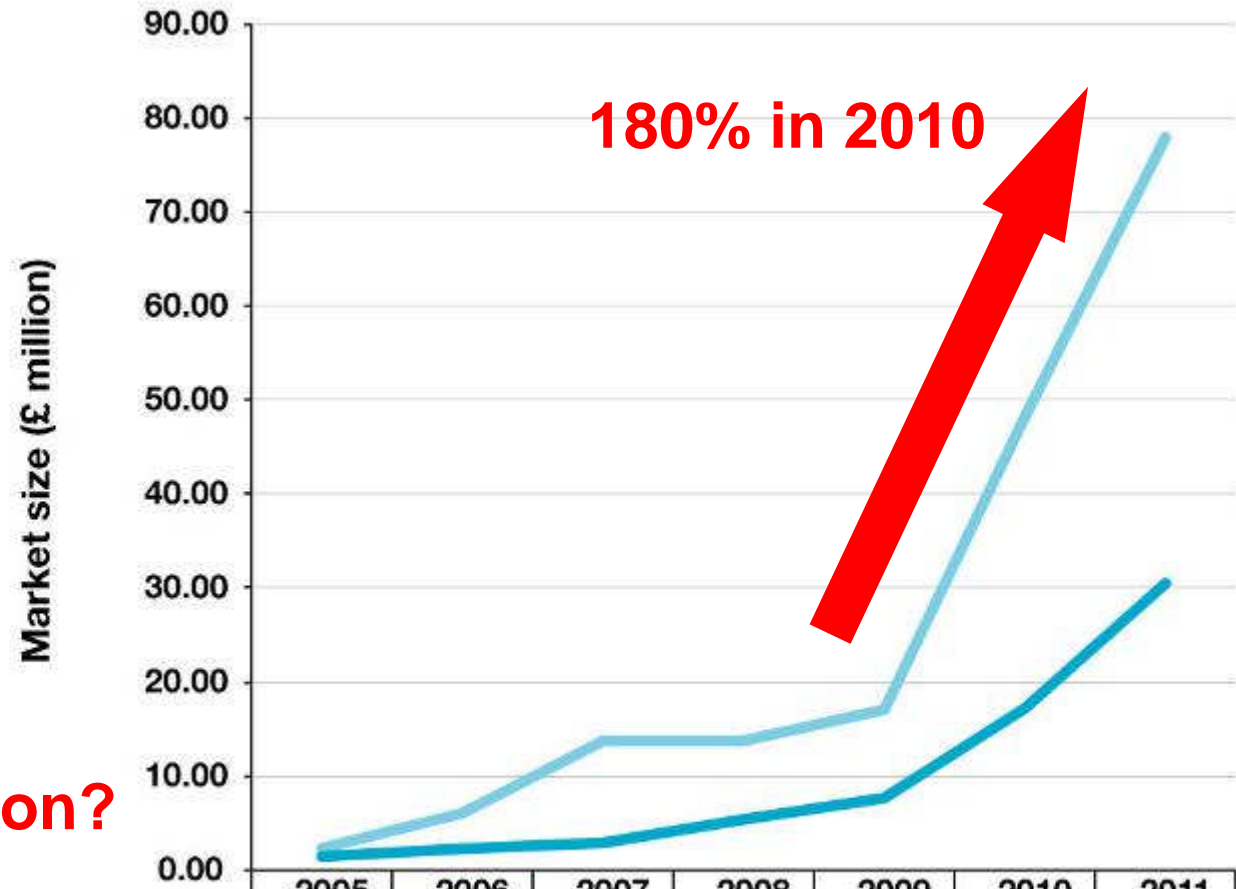


# UK market revenues 2009

£17.1 million = +24.5% on 2008



**Will FITs  
increase competition?**



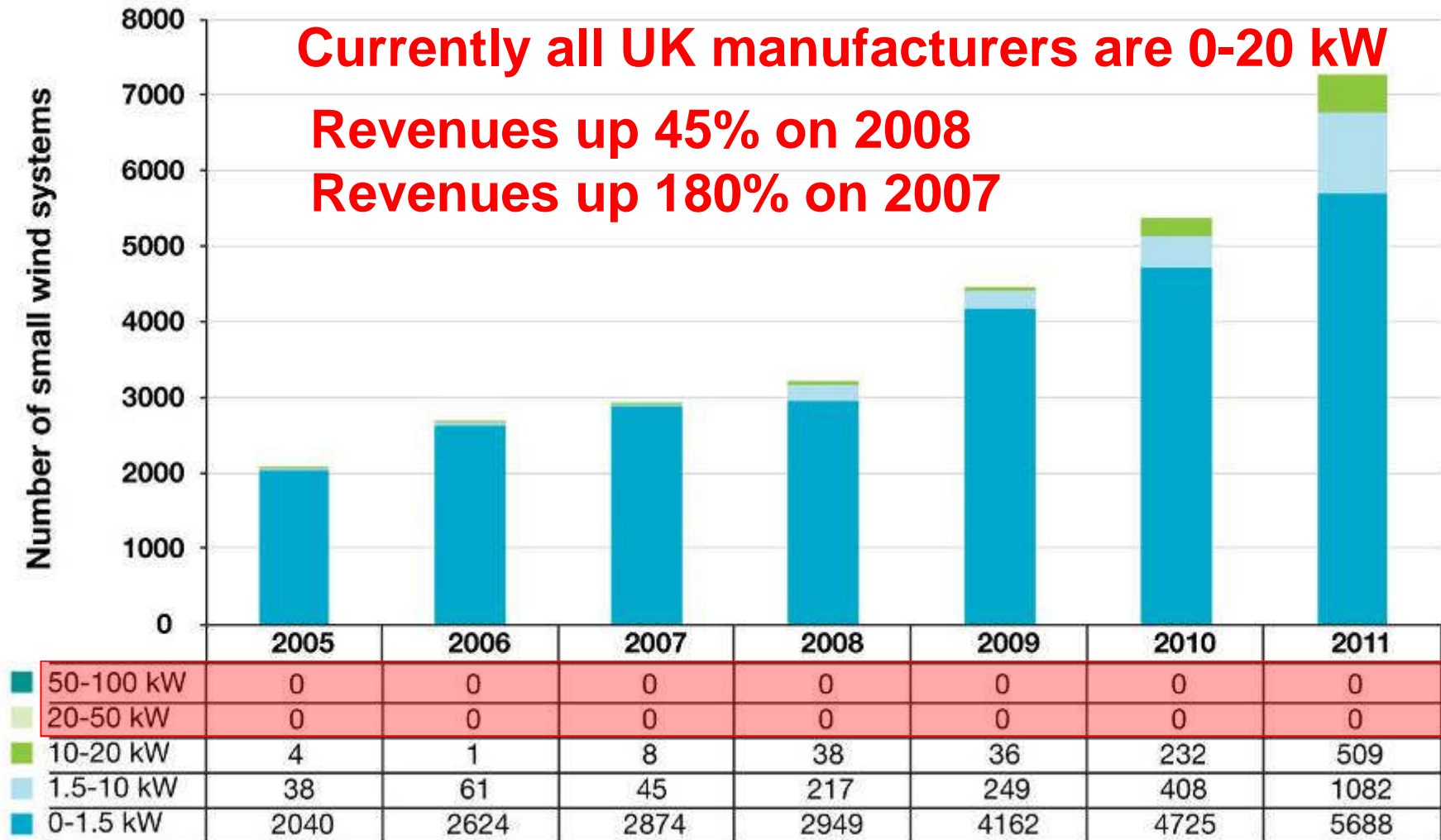
	2005	2006	2007	2008	2009	2010	2011
— Gross UK market revenue	2.36	6.07	13.70	13.75	17.12	48.09	77.99
— Gross export market revenue	1.48	2.21	2.71	5.22	7.59	17.09	30.53

# UK micro- and small-wind industry



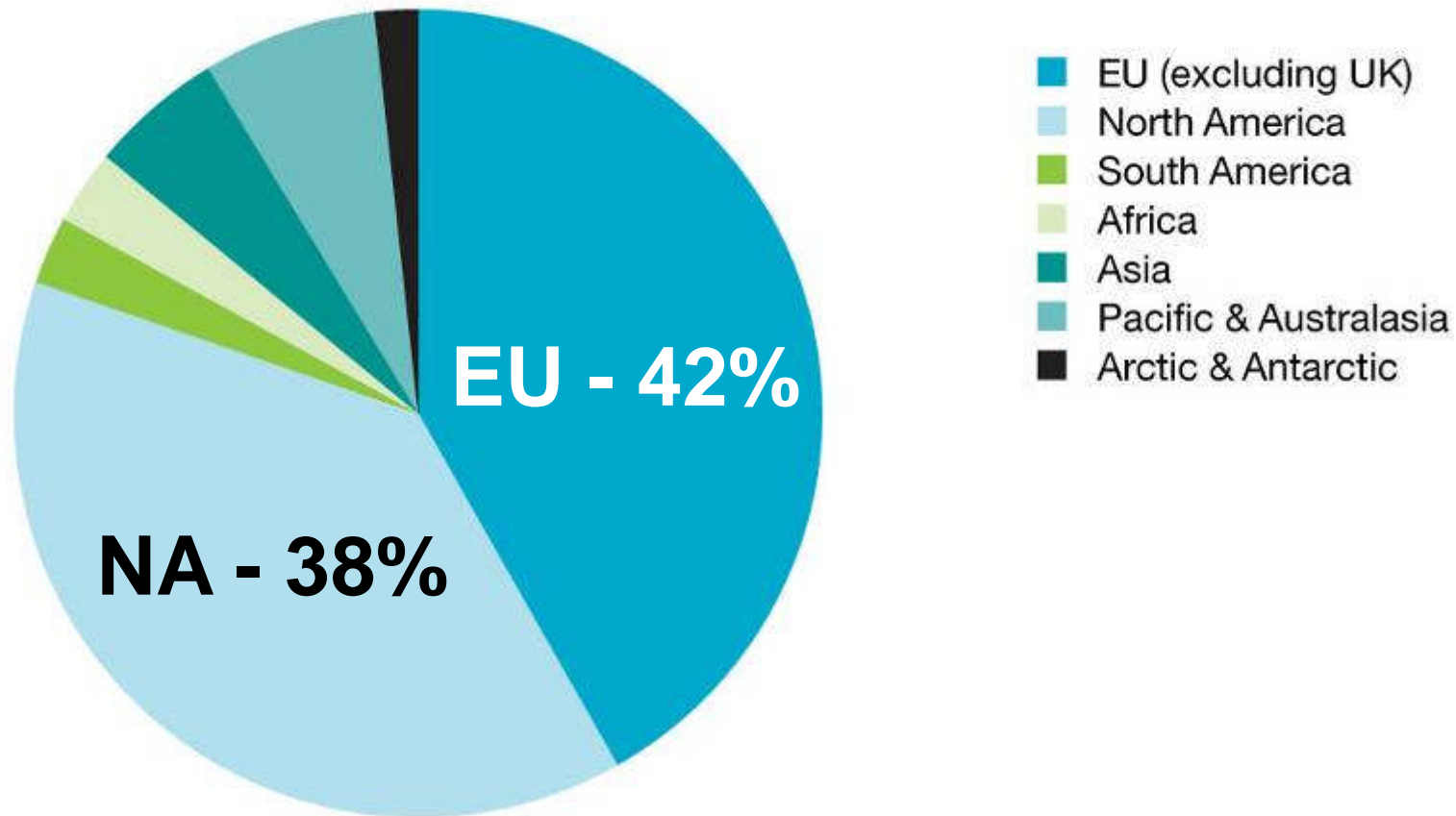
- Long history - 35+ years
- Over 20 micro- and small-wind manufacturers
- Export ~60% of output to over 100 countries
- Employ 1,755 UK jobs

# UK annual exports



# UK export markets 2009

£7.6 million = +45% on 2008



# Key industrial challenges for 2010

- (1) Planning
- (2) Customer interface
- (3) Industry standards



# (1) Planning

- Clear technology specific guidance
- General Permitted Development Orders
- Increased funding for Local Authority training



## (2) Customer interfaces

- Customer awareness
- Industry wide marketing
- Resource estimation



## (3) Industry standards

- Uphold customer confidence
- Protect industrial reputation
- Sustainable market growth



# Contact details

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