

# Are Rooftop Wind Turbines a Viable Option

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## ABSTRACT

The use of wind turbines in as-built environments is a controversial issue. Noise, vibration and poor performance results have hampered installations in the past fostering a negative impression of wind energy in general. This presentation will provide some historical background, examine the pros and cons, review a current, operating installation on a building at the Clarkson University campus and provide an opportunity for attendees to discuss the advantages and disadvantages of these type of installations in as-built environments.

## BIOGRAPHY

**Ken Visser** is an Associate Professor in the Department of Mechanical and Aeronautical Engineering at Clarkson University. Professional experiences include NASA Langley, Boeing and the German research institute DLR in Braunschweig. Additional past activities involved helping to design the keel for the America's Cup Team 2000 and working with Fairchild Dornier Aircraft. Present responsibilities include teaching aircraft design and performance courses at Clarkson and being the AIAA faculty student advisor. His research interests focus on applied aerodynamics and renewable energy concepts. Details can be found at <https://people.clarkson.edu/~kvisser/> In 2016 Ken founded Ducted Wind Turbines Inc. to commercialize technology developed at Clarkson ([ductedwind.com](http://ductedwind.com)).

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