

Edition 2012-2013

The first small wind turbine contest was held on June 27th and June 28th 2013 with teams from TUDelft (the WindDelft team), NHL (The Wingman team) and UAS Flensburg/Kiel (The WETI team).

The WindDelft turbine was of a VAWT type where the Wingman and WETI turbines were HAWT. On June 27th the turbines were tested in the wind tunnel of TUDelft after which the symposium and price ceremony were held on June 28th at NHL. Before the contest the designs had been reviewed by a committee which constituted of Prof. Holger Lange, managing director of PE-Concepts and professor of Wind Energy Technology at the UAS Bremerhaven and Ben Hendriks, Head of Mechanical Engineering GarradHassan.

On the symposium enthusiastic presentations of the designs were given by the teams followed by a lecture of Jos Beurskens (former head of the unit Wind Energy of ECN) about historic innovations that have led to the modern wind turbine. The jury constituted of Mathias Schubert, former CTO of REpower, Technology Watcher Eize de Vries and Johan Kuikman, CEO of Fortis Wind Energy. Matthias Schubert as chairman of the jury then expressed the appreciation of the jury for the specific achievements of the teams. The Wingman team was praised especially for their in-house development of the blades and the generator, the WindDelft team for the challenging choice of the straight bladed vertical axis concept and the options for further development in the design. The WETI team was appreciated for an excellent engineering job resulting in a robust turbine. Because the turbine also performed very well in the wind tunnel test, the WETI team was awarded as the winner of the. Attached is a picture of the winning team in front of their turbine in the Open Jet Facility in Delft and the price ceremony.