

AIRBORNE WIND ENERGY 2011 CONFERENCE LEUVEN, BELGIUM

December 2nd, 2011

Dear Members of the European Parliament, dear European Commissioners,

We, the undersigned developers of Airborne Wind Energy (AWE), recently held our second international conference, which garnered participation of fifteen countries both inside and also outside of Europe. We are achieving rapid technological advancement in the production of renewable energy using airborne devices such as kites and other tethered energy systems. It is an innovative field with a very high economic impact potential: AWE-based power plants have the potential to generate electric power at a price below 3 Eurocents/kWh, and AWE-based traction systems are already reducing the cost of naval transport. AWE is naturally well-suited for agile deployment in developing countries and disaster areas. AWE promises to tap into a vast renewable energy resource - inland and off-shore - that is complementary to existing wind power technologies.

Most of the pioneering work to make AWE a reality has already been performed by forty academic groups and small enterprises. The next step will be to move towards validation and market introduction. Such a step will require continued academic research and collaboration with industrial product development, but it will also require some form of support from the EU:

We propose that AWE be included in the EU agenda for stimulating wind energy. More specifically, in the formulation of the eighth framework program, a call open to "innovative wind power technologies" or even "airborne wind energy systems" could significantly promote further development of the technology in Europe and associated countries.

Granting this request will have no impact on the current budget, yet have the potential to yield massive economic returns to the EU member states. Furthermore, we are convinced that AWE can play a major role in helping to meet the ambitious CO2 emissions targets of the EU, and look forward to assisting its further development.

Sincerely yours,

Wubbo J. Ockels, TU Delft, The Netherlands.

Moritz Diehl, KU Leuven, Leuven, Belgium.

Risto Silvennoinen, Tampere University of Technology, Tampere, Finland.

Pekka A. Maunumaki, SASYP Oy, Sastamala, Finland.

Joachim Montnacher, Fraunhofer IPA, Stuttgart, Germany.

Ingmars Pukis, Latvijas Mobilais Telefons, Riga, Latvia.

Jorge Perez Sanchez, Persan Engineering, Las Palmas de Gran Canaria, Spain.

Ricardo Medina Cardenes, Persan Engineering, Las Palmas de Gran Canaria, Spain.

Gruus Van Woerkom, Ampyx Power, Amsterdam, The Netherlands.

Bernd Oetigmann, University of Applied Science, Münster, Germany.

Uwe Ahrens, NTS GmbH, Berlin, Germany.

Signatures of these persons can be found on page 4

Richard Ruiterkamp, Ampyx Power, Den Haag, The Netherlands.
Edwin Terink, TU Delft, Delft, The Netherlands.
Soeren Sieberling, Ampyx Power, Den Haag, The Netherlands.
Uwe Fechner, TU Delft, Delft, The Netherlands.
Roland Schmehl, TU Delft, Delft, The Netherlands.
David Santos, KiteLab Group, Ilwaco, USA.
Alexander Bormann, EnerKite GmbH, Kleinmachnow, Germany.
Boris Houska, KU Leuven, Leuven, Belgium.
Sébastien Gros, MLS-Control, Glasgow, United Kingdom.
Kurt Geebelen, KU Leuven, Heverlee, Belgium.
Pedro Silva, Omnidea Lda, Viseu, Portugal.
Tiago Pardal, Omnidea Lda, Viseu, Portugal.

Signatures of these persons can be found on page 5

Carlo Perassi, WOW SpA, Milano, Italy.
Rudibert King, TU Berlin, Berlin, Germany.
Udo Frese, DFKI GmbH, Bremen, Germany.
Pietro Cambi, WOW SpA, Milano, Italy.
Mario Milanese, Kitenergy srl, Torino, Italy.
Hans Gruendel, Assystem GmbH, Dahlewitz, Germany.
Michael Schölkopf, TU Munich, Munich, Germany.
Rolf Luchsinger, Empa, Dübendorf, Switzerland.
Jean Paul Charles, CNRS-LMA, Marseille, France.
Paolo Musumeci, WOW SpA, Milano, Italy.
Gerhard Wesp, KISS Technologies GmbH, Adilswil, Switzerland.
Pauli Rautakorpi, Tampere University of Technology, Tampere, Finland.
Jan Vegt, Utrecht, The Netherlands.
Rogelio Lozano, INPG, Grenoble, France.

Signatures of these persons can be found on page 6

Guido Lütsch, NTS Nature Technology Systems, Berlin, Germany.
Stefano Milanese, Kitenergy, Torino, Italy.
Oliver Haeggberg, PT Capital, Munich, Germany.
Reinhart Paelinck, KU Leuven, Leuven, Belgium.
Colin Jones, EPFL, Lausanne, Switzerland.
Patrick Lauffs, TU Munich, Munich, Germany.
Bernd Lau, Assystem GmbH, Blankenfelde-Mahlow, Germany.
Corey Houle, University of Applied Sciences Northwestern Switzerland, Windisch, Switzerland.
Simon Bolten, TU Munich, Munich, Germany.
Christof Beaupoil, Aspera, Aachen, Germany.
Gaetano Dentamaro, WOW SpA, Milano, Italy.

Signatures of these persons can be found on page 7

Doug Caswell, Gezellig Energy, Toronto, Canada.
Ahmad Hodjat, Sharif University of Technology, Tehran, Iran.
Stephan Brabeck, SkySails, Hamburg, Germany.
Paul Smeets, DSM Dyneema, Geleen, The Netherlands.
Bryan Franca, TU Delft, Delft, The Netherlands.
Rolf van der Vlugt, TU Delft, Delft, The Netherlands.
Aart de Wachter, TU Delft, Delft, The Netherlands.
John van den Heuvel, TU Delft, Delft, The Netherlands.
Hammad Ahmad, University of Limerick, Limerick, Ireland.
Joseph Coleman, University of Limerick, Limerick, Ireland.
Mario Zanon, KU Leuven, Leuven, Belgium.

Signatures of these persons can be found on page 8

In addition, the following conference participants who had already left by the time of the signature, electronically expressed their wish to support the petition:

David Olinger, Worcester Polytechnic Institute, USA.
Christian Gebhardt, Enerkite, Germany.
Robert Lumley, KiteFarms, Kilauea, USA.
Rolf Timmermans, TU Delft, Netherland.
Milan Vukov, KU Leuven, Leuven, Belgium.
Rene Enter, EMCE Winches, Netherlands.
Michael Strobel, IWES, Germany.
Damien Reardon, Archangel Energy, Australia.
Jorn Baayen, TU Delft, Netherland.
Alain Goubau, Altaeros Energies, USA
Daniel Toal, University of Limerick, UK
Julia Sternberg, KU Leuven, Leuven, Belgium.
Joost Schwoil. TU Delft, Netherland.
Lorenzo Fagiano, Politecnico di Torino, Italy.
Gunnar Jürgens, Continental Safety, Italy.
Udo Zillmann, Daidalos Capital, Frankfurt am Main, Germany.
Manfred Morari, ETHZ, Switzerland.

Please reply to this petition to:

Prof. Dr. Moritz Diehl

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Prof. dr. Wubbo J. Ockels

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Pekka A. Manninen

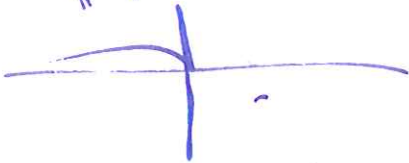
Maclain Maubades



INGMARS PŪĶIS



JORGE PEREZ SANCHEZ



RICARDO MEDINA



GRUIS VAN NOERKM, AMSTERDAM
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Uwe Ahrens, Berlin

R. Rüterkamp
Ampyx Power

Edwin Terink

Sieberling

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Phd-Researcher
ASSET Institute, TU DELFT

Rob Schell

ROLAND SCHMEHL
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David Santos

KiteLab Group

Boris Houska

Dr. Alexander Sommer
ENERKITE GMBH
Boris Houska

Dr. Sébastien Gros

Geelken

Kurt Geelken, KULEUVEN

Pedro Miguel Silva

Tingo Paronc
OMNIDEN COA.

Wolfgang

Wow SPA

Andreas

FU Berlin

Udo Frese

DFKI GmbH

 (PIETRO CAMBI) WOW SPA

Udo Miltner

M. MILANESE - KITE ENERGY S.r.l

Hans

Hans Gröndel / Resystron



Michael Schölkopf / windwork analysis

R. Luchsinger

R. Luchsinger



J.P. CHARLES

PAOLO MUSUMECI (Wow SPA)

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Dr. G. WESP / KISS Technologies

Pauli Rautakorpi 



Jan Vegt



Rogelio LOZANO

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Patrick J. Lauffs

Bernol Per Assysden GmbH

Cory Houle



SwissKitePower - Project Leader

Crosswind Power - Technical Director

Simon Bolke

TU Munich, Student
windward-energy

C. BEAUPOIL



ASPERA AACHEN

ferenc Dentomas

W.O.W. S.p.A.

Doug Caswell



Ahmad Hodziet

S. 95

Stephan B. Seck



Paul Smeets

Bryan Franca

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~~Rob Wachter~~

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~~John van den Heuvel~~

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Mhammad

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Joseph Coleman

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