



Club #85, founded Oct 2, 1913

Feb 23<sup>rd</sup> 2010

**Attendance:** Jean-Marc Allard, John Bishop, Bertrand de Cardaillac, Jacques Dénomée, Nosa Mohammed, Steve Sadler, George Shalhoub, Udo Stundner, Nemo Turner, Bob Velan, Drew Webster, Henry Zalzal, Mike Zivic. Visitors: Martha Bishop, Tunc Yorgancioglu, Charles Nkansah. Guest Speaker: Michael Weidemann.

**President Nemo** welcomed Martha Bishop, wife of Club Registration Chairman John. He also greeted Tunc Yorgancioglu, student at Concordia and Charles Nkansah who is also studying at Concordia. In the absence of **Carlo Pugliese** who was having a cataract removed, **President Nemo** spoke of the fund-raising golf tournament on Monday, June 28<sup>th</sup> and the need to find participants and prizes.

**Bertrand de Cardaillac** reminded members of the Foundation Walk on May 2<sup>nd</sup> and described briefly the process of filling out the pledge sheet.

**Udo Stundner** presented today's guest speaker, an aeronautical and mechanical engineer from the technical University of Berlin, Executive VP of Enercon Canada, **Michael Weidemann**. Having enquired as to the time available to him for his speech, and warned us that he liked to talk, **Herr Weidemann** referred to the wind map that had been handed to him on his arrival at this morning's meeting. It showed wind available at 50 meters whereas today's wind turbines operate at between 80 and 150 meters (ht above ground, not sea level). Wind energy is the fastest growing energy source today. In the mid 1990's, it grew at the rate of one nuclear plant equivalent per year. In 2008, the rate had become the equivalent of 30 nuclear plants. Wind power in Canada was equivalent to two nuclear plants last year. In China, it grew 13 times faster.

The following is a quotation from WindBlatt 02/2008, the magazine of Michael Weidemann's company.  
"In the call for tender issued by Hydro Québec, ENERCON, in cooperation with seven customers, was awarded the contract to supply wind energy converters for an aggregate of 1050 MW in the Canadian francophone province of Québec. The provincial utility, ranked number four worldwide, issued a solicitation for tender for approximately 2000 MW wind energy at the end of

October 2005. At the beginning of May, Hydro Québec announced the names of 15 projects selected amongst the 66 bids received. Out of the 15 farms, ENERCON so far will be supplying turbines for ten, corresponding to 1050 MW. The projects will be dispersed throughout the southeast of the province on both sides of the St. Laurence River. The first farm deliveries are to come on stream in 2011, and the last in 2014."

Our speaker answered questions on noise levels -- the noise of a turbine is 35 to 45 dB. He spoke about development on the African continent. He commented on shadow flicker and the higher cost of solar power vs wind power. He was asked to speak about his company and said it had 13,000 employees, was privately owned, enjoyed 60% of the German market and 10% of the world market in its field of expertise. He spoke of a 99% customer satisfaction level and the wind driven ship (not a sailing ship) his company operated. Mike Zivic expressed the appreciation of all present for an interesting talk on a very relevant issue.



**Next Meeting:** March 2<sup>nd</sup> at 07.30

**Speaker:** Ely Bonder  
Pres. eMage

**Topic:** Using media to empower yourself

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