

Potential +/- Difference Inc.
Neil Young/LincVolt Regenerative Acceleration Generator MOU
DRAFT 1 July 31st, 2010



Overview

This document is intended to outline a non-contractual, non-binding co-operative and mutually beneficial venture between LincVolt and Potential Difference Inc. (PDI). The ultimate goal is for PDI to produce a Regenerative Acceleration Generator to be housed in a trailer which will be attached to the LincVolt vehicle and provide battery regeneration capability without the conventional constraints associated with generator armature reaction. This real world application is meant to showcase the LincVolt vehicle and the Regenerative Acceleration Generator Technology as real and viable immediate energy replacement solutions to fossil fuels.

Applications

PDI will design and build a dual rotor axial flux, salient pole Regenerative Acceleration Generator which will be housed in a trailer whereby the trailer’s wheels and axle provide the mechanical energy required to rotate the generator’s permanent magnet rotors.

The total generator output is yet to be determined but ideally it will be in the 10 – 30 kW range and will be designed to connect electrically to the LincVolt’s on-board battery charging system and provide continuous recharging capability.

A trailer design will be chosen which compliments the LincVolt vehicle aesthetically, retains the “retro” persona which has already been established and painted to match the LincVolt.

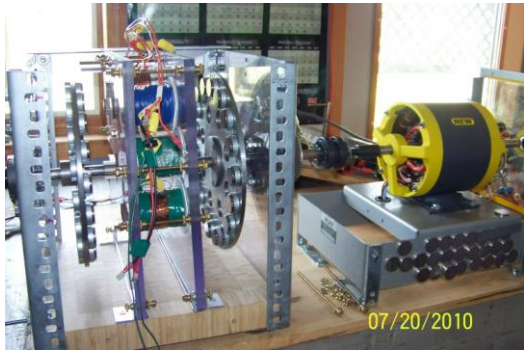


Fig.1 PDI Axial Flux Generator

Timeline

PDI would begin the project immediately upon confirmation and permission from LincVolt. Actual generator construction would begin in January 2011 when PDI moves into its new satellite lab at Carleton University (or before if lab space is provided). LincVolt testing deliverable is slated for the spring or summer of 2011.



Fig. 2 Proposed Trailer Design Sample

Business Formalities

This business arrangement is purely voluntary and in good faith by both parties for its full duration, where the health of our planet and society are held paramount and where transparency of motives and actions is evident at all times.

Signed Neil Young (LincVolt)

Signed Thane Heins (PDI)

Date

Date