

DOCKETED

Docket Number:	17-ALT-01
Project Title:	2018-2019 Investment Plan Update for the Alternative and Renewable Fuel and Vehicle Technology Program
TN #:	221672
Document Title:	Abuanthony Abdul Alim Comments Harnessing wasted energy from all vehicles
Description:	N/A
Filer:	System
Organization:	Abuanthony Abdul Alim
Submitter Role:	Intervenor
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Comment Received From: Abuanthony Abdul Alim
Submitted On: 11/2/2017
Docket Number: 17-ALT-01

Harnessing wasted energy from all vehicles

Hi Abu here and check this out I may need your help with this.

Dear Abuanthony,

Congratulations! On behalf of the NextChallenge: Smart Cities 2017 sponsors and NextEnergy, I'm excited to announce that Alim Innovations has been selected as a semi-finalist for the submission: The Power Skirt system. You are now invited to submit a full proposal for the semi-finalist round!

Abu here and this is what my sales sheet looks like for this product. Everyone can create their own energy by harnessing wasted energy from vehicles.

I have to be working with prototyping to win, I have digital prototypes in autodesk Pro. patent pending

Help harness the wasted, overlooked, unused & undiscovered mechanical kinetic energy that all vehicles create when they move.

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Hi Abu here I need your help and mentorship.

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How about Zero Emission vehicles Now & you Helping me do it!

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Harnessing your wasted energy, Turning it to money & expanding your opportunities.

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Alim Innovations

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Working on tomorrow Yesterday!

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The challenges drivers face finding recharging spots for their battery-powered cars.

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Will their owners have enough juice to make it home?

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WHY LOOK FOR CHARGE?

^ THE POWER SKIRT

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^ NO MORE LOOKING FOR CHARGERS!

^ NO MORE FEES TO CHARGE!

^ NO MORE STOPPING TO CHARGE!

^ NO MORE RANGE ANXIETY!

^ NO MORE HARMING THE ENVIROMENT!

^ ALL 1.2^ BILLION VEHICLES CAN BE ADAPTED!

Additional submitted attachment is included below.

1. Title of proposal * The Power Skirt System

2. Please offer a brief, high level description of the proposed technical solution in plain language (do not include confidential information) (100 words max.) *

The Power Skirt is an onboard vehicle electric generator, less than 20 lbs, only one moving part, no touching or friction parts, will not harm the performance of any vehicle, works on gas or electric vehicles, harnesses wasted, unused, overlooked & undiscovered mechanical kinetic energy that all vehicles create when they move.

3. Who is your main customer and what problem are you solving for them? (250 words max.) *

There are 1.2 billion vehicles on the roads today and all of them could have The Power Skirt attached to them, harnessing all of that wasted energy coming from their vehicles. Everyone can create their own electric with their own vehicles.

You will be able to determine how much electric you make by how far you drive, not how much money you give the power company's. The Power Skirt will put you in the driver's seat when it comes to energy.

4. Describe the value proposition of the proposed technical solution to each player in the value chain (e.g., How are utilities, end users, etc. benefiting and how?). Include how the solution will result in one of more of the following outcomes: 1) Improved user access & experience; 2) Improved safety & security; 3) Reduced impact on the environment and public health caused by emissions, land use and/or congestion. *

The Power Skirt is a generator, it don't care if you have a gas or electric vehicle, if that vehicle moves, that's when the Power Skirt starts to harness mechanical kinetic energy converting it to clean electric that you can store in batteries or out to utilities as third rail. Everyone will be able to create their own energy with their own vehicles as much as they want.

The money that was once used to pay electric bills will now be used for better things that improve our lives. 1.2 billion Vehicles all harnessing wasted energy; all over the world will impact the environment in a greater way. The Power Skirt is designed to make vehicles fossil fuel free. Zero emissions vehicles are because of the Power Skirt. We will reverse the harmful impacts of climate change with this one design.

5. Describe how the proposed technical solution will have a positive impact on mobility or the built environment. *

Vehicles today are wasting energy that is overlooked, unused & undiscovered. Without the Power Skirt no vehicles will able to harness this wasted energy, it attaches to all vehicle types.

The Power Skirt design is fundamentally about creating the most optimal way for a vehicle to create electricity without harming the performance of the vehicle. The Power Skirt less than 20lbs can create from 12 volts to 72 volts of continuous electric power as any vehicle moves.

Whether a gas or electric vehicle you will be able to harness electricity from moving your vehicle, you can store it in batteries or output it to micro grids in your house.

The Power companies use gas and oil as you use gas and oil in your vehicles, but they create electricity, this is the same electricity that your vehicles can create with the Power Skirt.

You will greatly reduce your use of the electric companies electricity saving you thousands and reversing the harmful impacts of fossil fuels.

Though there are thousands of generators on the market today not one of them will benefit mankind more than the Power Skirt.

6. Explain the ownership and unique nature of your intellectual property, if any. For any patents or pending patent applications, include a description of their status current as of 30 days preceding the application due date of September 29, 2017 (e.g., owner, patent/publication number, where filed, and prosecution). (250 words maximum) * *

First open thermodynamic system for electric vehicles: that uses the kinetic energy of any vehicle for electric production.

By Abuanthony Alim

The OPEN thermodynamic system for vehicles must have these main ingredients, Every drive shaft, Axle or wheels that are a moving major part of the vehicle must have the components of the 3 phase generator system to create a rotating magnetic field with a stator to harness the clean electric power by converting the natural mechanical kinetic energy that all vehicles create when they move. Every drive shaft, Axle or wheel is a generator because they have all of the 3 phase generator components to make electricity from mechanical kinetic energy.

These generator systems can be sized to fit any vehicle and they can create from 0 to 300 KW of clean electricity or more. This present invention will advance vehicles by using 100% of the mechanical kinetic energy to convert it into clean 3 phase electricity. The Closed system for vehicles uses the components that cannot harness or convert anything.

To find this patent Google patents and type in Abuanthony Alim
Legal status Petitions

Application number US14028302

Inventor Abuanthony Abdul Alim

Original Assignee Abuanthony Abdul Alim

Priority date 2013-09-16

Filing date 2013-09-16

Publication date 2015-03-19

7. Please describe where (NextEnergy in Detroit or other applicable site) and how your technology solution will be demonstrated and what the demonstration will do. If the demonstration could occur in multiple locations, list the top preferred locations and current relationship, if any. Include assets/resources required, “smart” component (i.e., interactive, data-driven, connected), partners, key steps or tasks to execute the demonstration including a high level timeline (within calendar year 2018) for the demonstration's key milestones. Please only submit one demonstration for consideration in a pdf and upload. *

Alim Innovations LLC The Power Skirt

Alim Innovations is focused on actionable vision that provides the framework for innovation success, this means when we innovate we use only proven technologies. Generating electricity has over 142 years of history and thousands of different configurations. Our focus is what configuration could have the most impact on our prosperity, our health and our environment.

Thus the Power Skirt, less than 20lbs, less than \$600 bucks we hope. A value that everyone can afford and an added value that if you have a vehicle you can harness your own electricity. It's the disruption of the status quo when it comes to energy

production. By turning innovation into impact we can create a better everyday life for all people.

Electrical digital prototypes has been Alim Innovations bread and butter for the last eight years, they make the process of testing models cheaper and more efficient. Our development partner uses the same software Autodesk Inventor.

As a partner in development Coritech Services is a leading supplier of **safety and control systems** for Automotive Research and Development facilities.

Located in the Metro Detroit area, Coritech provides engineering services to all of the major automotive manufacturers and suppliers involved with **vehicle and engine testing**. System Integration support for all automotive R&D facility and testing control systems. Complete engineering support including documentation, hardware, software and field support.

Coritech will bring us to a final product in months.

8. Is your plan to execute your demonstration in Detroit? *

Yes

9. What are your performance targets or metrics, and how will they be measured?(May include, but is not limited to: comfort,

energy savings, cost savings, time, flexibility, customer experience, greenhouse gas emissions reduced, etc.) *

History of automotive electric design:

Ferdinand Porsche (1875 ... The battery-powered and later petrol/electric drive systems were developed)

Ferdinand the first one to use gas to create electricity from a vehicle 142 years ago, He is the one with the first emissions free vehicles, He had the first electric hub motor four wheel drive vehicle on earth.

The process of making electricity from gas or the movement of the vehicle is over 142 years old and it is dew for this upgrade to the Power Skirt.

Ferdinand Porsche did this: The electric motors in the hubs of the front wheels had an output of 1.8 kW at 120 rpm. The 44-cell, 80-volt rechargeable battery with a capacity of 300 Ah gave the car a range of 50 km / 30 miles between recharges. The maximum speed was 50 km/h / 30 mph. The total weight of the vehicle was 1205 kg / 2657 lbs.

Today vehicles are much faster but less efficient but they don't have to stay that way. We plan to make as much or more electricity than they made 142 years ago with the Power Skirt. The plan is to give the ability to make electric with every vehicle weather gas or electric. Next is to convert those gas vehicles to completely emissions free vehicles by using electric hub wheels as motors. We have the technology.

10. Clearly define the final deliverables for the demonstration.
(250 words max.) *

1) Potentially dramatically reducing the emissions from all vehicles.

2) Advancing the science and technology of advanced efficient generator systems for vehicles.

3) Increasing all vehicles efficiency by harnessing wasted energy.

4) Reverse the harmful impacts of fossil fuels on the environment.

5) Give everyone with a vehicle the ability to create their own electricity.

6) Tooling for manufacturing in CA parts that will adapt to 1.2 billion vehicles.

7) A less than 20lbs product that could dramatically improve the lives of low income people and expand their opportunities.

8) A product cost of less than \$1,200 a pair with battery bank included.

11. Describe the competitive landscape and others (if any) working on similar technologies and/or innovation? *

As part of its work on zero-emission vehicles, the Energy Commission provides funding for plug-in electric vehicle charging, hydrogen refueling stations, and guidance on plug-in electric and hydrogen vehicle infrastructure deployment.

12. Address any technical challenges, risks or barriers to executing the demonstration *

There are no technical challenges; this was done over 142 years ago.

Risks: If someone on the approval board works for the oil company.

Barriers: Science and engineer technology experts who don't want this technology out for their own reasons. Science and engineer technology experts who say this is a perpetual motion machine.

13. If your solution involves software, does your solution have open API capabilities? If no, please explain why not. *

Yes

14. Using the budget template, please submit a budget and brief budget narrative for the demonstration including: labor, supplies, materials, contractual services, etc Demonstration must be within budget of \$80K or include other confirmed funding

supporting the pilot. Prior to upload, review PDF to ensure no information is missing from document. *

Demonstration Budget

Applicant Name: Abuanthony Alim Product Designer

Company/Organization Name: Alim Innovations LLC TXID 46-0553228

Proposal Title: The Power Skirt System

Founder of Alim Innovations Abuanthony Alim is the sole designer of the Power Skirt.

Demonstration Partner: Coritech Services , 4716 Delemere Boulevard, Royal Oak, MI, 48073

Coritech offers a complete set of skills to be able to fully engineer, design, build and test a custom control system or product.

Coritech provides in-house licensed professional engineering expertise providing the reliability and integrity you require in all custom control system designs. Accuracy, dependability and accountability are provided with Coritech control systems responsible for operations within any R&D facility or organization.

Item

Labor Project Kick- 01/01/2018

NextChallenge: Smart Cities Funding (\$) 80,000

Contractual

Task 1: Coritech

Labor Justification:

CAD designs report on manufacture ability and cost due

01/25/2018

Category Total \$1,000

Contractual

Task 2: Coritech

Labor Justification:

Development of prototypes 1/25/2018 to 02/31/2018

Category Total: \$5000

Contractual

Task 3: Coritech

Labor Justification:

Testing finding the best model cost efficient for production.

03/15/2018

Category Total: \$10,000

Contractual

Task 4: Coritech

Contractual Justification:

Equipment Justification:

Deployment getting tooling for manufacturing in Detroit

04/25/2018

Category Total: \$15,000

Task 5: Coritech

Production test run and small run 50 units 06/25/2018

Category Total: \$30,000

Travel Justification: \$2,000

Other Costs Justification:

Other funding sources (\$) ALIM INNOVATIONS \$1,000

TOTAL \$64,000

15. Describe the innovations current phase of development and the time it will take to be up and running (e.g., less than 5 years). What investment is required until implementation (e.g., funding, staff, etc.)? (250 words max.) *

Generators started over 142 years ago and the Power Skirt is just one more, it has all the same components and there are thousands of manufactures that can do the job in weeks or

months. We have digital CAD prototypes ready for simulations testing and we even use the same CAD design software as our partner Coritech.

16. How does the demonstration fit into your overall plan for advancing the commercialization of your solution? (For example, the tasks, timeframe and rough cost estimates that will take this idea to the field after a successful demo project) (250 words max.) *

This energy efficiency advancement will provide a better level of energy service (including all the ways people use energy such as for lighting, heating, and air conditioning), while using less energy.

This energy efficiency effort will reduced greenhouse gases; make businesses more competitive; and allowed consumers to save money, improve health, and increase comfort.

Being that we now use software to validate models before they are built the process is much faster and more efficient for prototypes. We can get these designs done in weeks and began testing in a month or two, but the most important fact is that we work with people who don't do anything but electric generator systems.

We will stick to the rule of only working with those proven to know what they are doing. Less than 50,000 dollars should get use through the three prototypes 1st, 2nd, 3rd.

17. Provide a brief description of the lead company. Indicate the roles and responsibilities of the applicant(s) and key team members with one sentence describing the skills and experience they will bring to the team, describe current relationship, if any, among companies/organizations *

Coritech provides in-house licensed professional engineering expertise providing the reliability and integrity you require in all custom control system designs. Accuracy, dependability and accountability are provided with Coritech control systems responsible for operations within any R&D facility or organization.

18. Please list fellowships, partnerships, awards, etc. relevant to the proposed effort awarded to the applicant. (250 words max.) *

Alim Innovations has the patent pending designs of the Power Skirt and WE have Coritech as a development partner to complete the process of bringing the product to market.

19. Visual: (OPTIONAL) Please upload a one-page “schematic” (e.g., PPT, Visio, drawing, etc.) of the solution, which helps to visualize the solution technology to/from end use case.

ALIM INNOVATIONS 386-290-1298

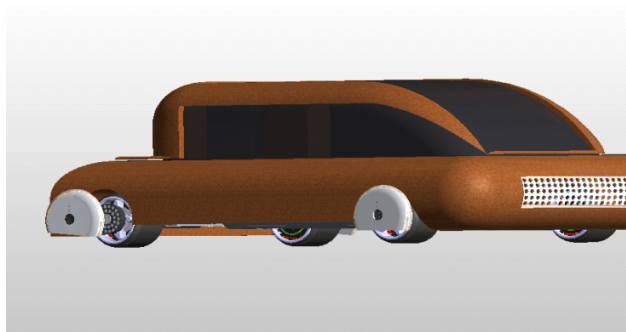
The challenges drivers face finding recharging spots for their battery-powered cars.



Will their owners have enough juice to make it home?



WHY LOOK?



THE POWER SKIRT !!!

- NO MORE LOOKING FOR CHARGERS!

- NO MORE FEES TO CHARGE!
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