ecolution | kWh

ECOLUTION POWER COMPANY PRE-SERIES A ROUND

AUGUST 2021

NOTICE

Nature of Materials

The following information is a summary and is provided to assist interested persons in evaluating potential transactions with, or an investment in, Ecolution Power Company (the "Company"). It does not purport to be all-inclusive or to contain all of the information that you may desire for purposes of such an evaluation. The Company makes no representations or warranties as to the accuracy or completeness of, or any omissions from, these materials or the information contained therein. We refer potential investors to our Offering Materials and Subscription Booklet for additional information.

In all cases, you must conduct your own evaluation of the Company and you should not consider any transaction with, or investment in, the Company unless you are satisfied that you have received and reviewed, and you are satisfied with, all information about the Company to enable you to complete your evaluation. You should not construe the contents of these materials as legal, tax, or investment advice. You should consult your personal counsel, accountant, and other advisors as to the legal, tax, economic and other consequences of a transaction with, or investment in, the Company and its suitability for you.

Use and Confidential Information of Materials

These materials are being furnished to select persons on a confidential basis. These materials are confidential and may not be reproduced or distributed, in whole or in part, nor may they be disseminated or used for any purpose other than your consideration of a potential transaction with, or investment in, the Company.

Acceptance of these materials constitutes an agreement to be bound by all of the above terms and conditions.

NOTICE (continued…)

Caution Regarding Forward-Looking Statements, Forecasts, Models and Projections

These materials include certain forward-looking statements, forecasts, models, and projections, which were prepared by our management on the basis of various assumptions and have not been reviewed by any independent third party. Such forward-looking statements, including forecasts and projections of operating results and financial performance, are, by nature, speculative and based in part on anticipating and assuming future events (and the effects of future events) that are impossible to predict.

Our future results will depend on a number of factors, including the accuracy and reasonableness of the assumptions underlying any forecasted information as well as on significant business, economic, competitive, regulatory, technological and other uncertainties, contingencies and developments that in many cases will be beyond our control. In addition, certain prospective financial and operating information contained in these materials covers multiple years and such information by its nature becomes subject to increasing uncertainty with each successive year.

Accordingly, the forecasts and projections (and estimates based on such projections or forecasts) contained in these materials should not be viewed as an assessment, prediction, or representation as to future results and you should not rely on any such forecasts or projections. Our future operating results are impossible to predict and we make no representation of any kind respecting the future accuracy or completeness of our forecasts and projections. Actual results may differ substantially and could be materially different than any forecast, model, projection, or scenario set forth in these materials.

We expressly disclaim any obligation to update or revise any of the forecasts, models, projections, or scenarios contained in these materials to reflect any change in our expectations with regard thereto or any changes in events, conditions, or circumstances on which any such statement is based.

EXECUTIVE SUMMARY

FINALLY: AN ALTERNATE SOURCE OF ENERGY THAT IS ECONOMICAL, SCALABLE, MOVES ENERGY TO WHERE IT IS MOST NEEDED AND REDUCES GLOBAL CO2 EMISSIONS QUICKLY.

COMPANY OVERVIEW

Ecolution KWH has a defined competitive advantage in power generation with its recently patented technology. In short, the Ecolution technology generates large amounts of clean electricity through truck trailers, freight cars and transit vehicles.

History

In 2016, Ecolution's founders made a scientific discovery on how to capture, store and recycle 'wasted' kinetic energy in moving vehicles. Properly applying this technology to intermodal transportation industries such as heavy-duty trucks, trailers, freight cars, transit vehicles and aerospace – transforms fleets of vehicles into a decentralized mobile electric power grid which also dramatically reduces carbon emissions, particularly the most harmful emissions stemming from diesel fuel. That discovery has now been patented in the United States and China. Additional patents are pending around the world. The company is partnering with world class engineering leaders and in discussions with municipal entities to begin proof of concept and prototyping on four continents. Kinetic energy has the potential to become the largest alternative energy, exceeding solar and wind in scale and economics.

The Problem

The problem is climate change and how to make the world sustainable for future generations. In the past year each of the of the G-7 leaders has pledged his or her nation to reach net-zero carbon emissions by 2050. These leaders include Biden, Merkel, Trudeau, Macron, Johnson, Suga, and Conte. 20% of emissions in these countries come from the transportation sector. That is the target of Ecolution kWh. Without a dramatic reduction in carbon emissions the world cannot achieve the sustainability goal. Alternative energies have improved in both technology and cost over the past few years. But they have serious issues that stand in the way of achieving the net-zero carbon goals. Some are geographic, (Solar doesn't work well where its cold. Wind doesn't work well where its not windy. Hydrogen needs a vast infrastructure built for distribution. All have large capital requirements. Often located too far from the grid. Etc.) The Ecolution founders believe that kinetic energy recovery solves each of these problems and will soon become the greatest frontier of alternative energy generation, storage, and distribution. It will make possible the reaching of the global net-zero carbon goals. And, to do so in a way that is profitable and investor friendly.

Patent Pending

PRIVATE AND CONFIDENTIAL

EXECUTIVE SUMMARY

ECOLUTION SOLVES THE PROBLEM

Ecolution's patented technology is simply described as attaching an alternator to the brake disc on an axle of the vehicle. As the brake disk rotates, the alternator generates electricity which flows through an inverter to a high energy density battery pack where it is stored and eventually distributed. The Ecolution business plan is to distribute that energy into train stations around the world, making them the e-mobility headquarters of their towns. The stations are then in a position to sell that energy at a below market price to businesses, hospitals, schools and other entities in that town. The initial engineering indicates that one freight car car stopping 10 times in a 24-hour period can generate up to 2 megawatt hours of electricity. This is a very large amount of electricity. The company is beginning proof of concept intending to show that 3000 freight cars could potentially distribute as much electricity as a 500-megawatt power plant. If successful, the concept has unlimited economic potential

By capturing the kinetic energy of moving transportation, Ecolution kWh has also engineered a ground-breaking way of eliminating carbon dioxide emissions, while simultaneously serving as a mobile, on-demand power plant that provides green energy when and where it's needed.

Ecolution's goal is to have its technology installed in 20,000 trailers and 20,000 freight cars during the next 10 years, creating a microgrid of energy equal to the largest of the world's power companies.

TARGET CUSTOMERS

Ecolution has two initial products to bring to market post our proof of concept and prototyping. One is the train and transit vehicles that generate, store and distribute energy through the existing infrastructure of train stations. The customers will be train companies, train stations, airports, and a variety of municipal enterprises. As an example, the train company will distribute electricity in the United States at a price of $.08 per kWh on a fixed price basis with no peak loading charges. This makes for the low-price competitor in the electric marketplace. The train company would pay Ecolution $.01 per kWh for every kilowatt hour distributed.

Our second product is a refrigerated trailer utilizing our technology to cool the trailer. Food and medicine are distributed around the world by use of refrigerated trailers. It is a massive global industry and a major source of harmful carbon emissions. The customers of this technology will be the owners of the fleets that deliver the food and medicine. When combined with an electric truck, our technology converts one of our dirtiest industries into net zero carbon. Examples of potential customers are Walmart, Target, Costco, Whole Foods, Walgreens, 7-11, CVX, Kroger, Publix and all grocery companies.

The consumer of electricity will benefit most. The shareholder of Ecolution should be next.

Patent Pending

PRIVATE AND CONFIDENTIAL

EXECUTIVE SUMMARY

THE PLAN

Freight cars, transit vehicles, net-zero-carbon, and urban renewal:

Ecolution's customers will include train companies, and cities and states wishing to design smart and healthy new environments. The Ecolution team is already in discussions with two cities, one state, and one sovereign national. A team consisting of Ecolution and its engineering partners will together present an initial design to City Councils, Mayors, Governors, and Economic Development Agencies; such presentations are underway now. Train companies will be "customers" as the trains and subways generate the power to be distributed through the train stations. Ecolution customers will also be large distributors of food such as Walmart, Costco, Target, Whole Foods, Sysco, and other large grocers and logistics providers.

These entities will outfit their existing refrigerated trailers and freight cars to the Ecolution MARS system and build new units, converting the food distribution industry to net-zero-carbon. Ecolution will remain a technology development company, licensing its technology around the world to make large and small cities everywhere healthy, sustainable, reaching net-zero carbon and being culturally connected through its infrastructure of education, personal e-mobility, energy, and electronics.

Patent Pending

PRIVATE AND CONFIDENTIAL

EXECUTIVE SUMMARY

GO TO MARKET PLAN

Ecolution's commercialization approach is to utilize the existing manufacturing supply chain infrastructure to deliver the MARS technology components to the customer / end-user. In the same way, just as a trailer manufacturer delivers the TRU GENSET to trailer fleet owners, this is how the MARS system will be delivered. The MARS system is an assembled product. The system requires alternators, an inverter/converter, a charging module, batteries, a battery storage unit, customized axles, and a software application. The Original Design component manufacturer (ODM) will build and sell to the trailer Original Equipment Manufacturers (OEM) components for a profit. Just as in today's market, the trailer manufacturer (OEM) will assemble the MARS technology in trailers and sell the trailer for a profit to the end customer/user. Ecolution will create a licensing/leasing agreement with the customer/end-user to utilize the MARS system. The fastest route to commercialization is to create a MARS system kit. This will allow the retrofit of the technology into existing reefer trailers and freight cars on the road/railways today. The same manufacturing supply chain will apply with the exception that the trailer manufacturers (OEM) will utilize their service facilities to retrofit existing trailers. The retrofitting process can also be done by other independent service facilities that get certified to assemble the MARS technology in existing reefers.

Patent Pending

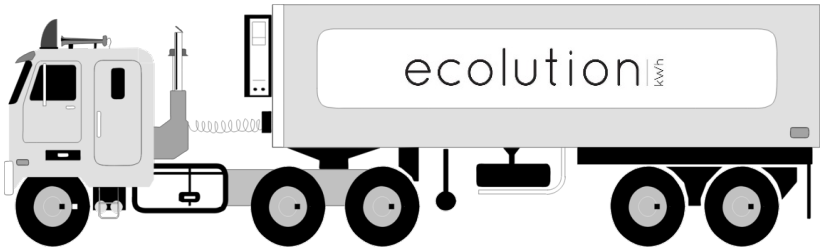
PRIVATE AND CONFIDENTIAL

MISSION STATEMENT

Ecolution KWH supports the demand to move towards a net zero carbon footprint. We do this by capturing the kinetic energy of moving transportation, opening up the potential to eliminate more emissions than that caused by transportation in Paris, Rome and San Francisco combined.

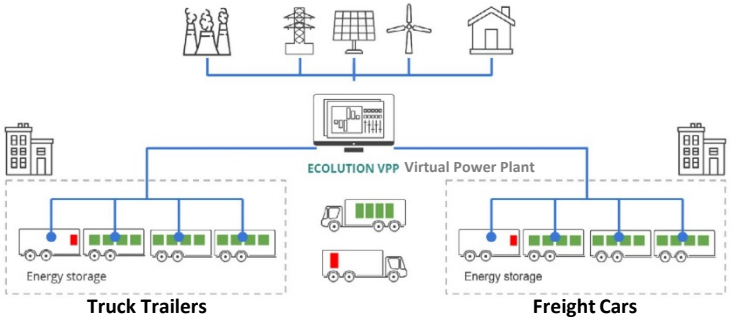
A JUST-IN-TIME ROLLING ELECTRIC GRID

A Mobile Power Plant, Accelerating to Net-Zero Carbon Emissions.
Ecolution Makes it Real



INTRODUCING THE FIRST ZERO EMISSIONS REEFER TRAILER

&



INTRODUCING THE FIRST ROLLING ELECTRIC GRID

Our proprietary technology empowers transportation and logistics companies to generate, store and deliver sustainable energy.

WHY ECOLUTION?

The weight of a refrigerated trailer could be reduced by roughly 1,200 pounds, consuming 30% less diesel fuel, and dramatically lowering carbon emissions.

We bring energy to communities, fueling opportunities for small businesses, creating an incubator for minority entrepreneurs and reducing the cost of power for underserved communities. We do this while delivering increased profitability for major power and logistics companies around the world.

Ecolution is more than just a vision; it's the reality that is taking hold across the e-Mobility space. Our business represents what we stand for. As a minority-owned company, we understand the value of democratizing opportunity.

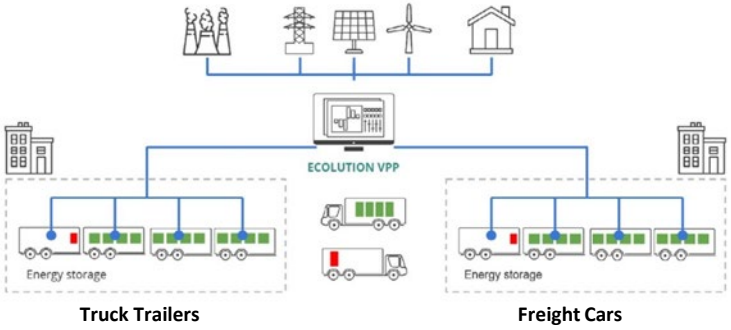
THE BENEFITS

Ultimately, Ecolution KWH technology will transform heavy-duty trucks, their trailers and freight cars into mobile kinetic/electric power plants, sparking the next industrial revolution.

Private and public solutions to the world's aging and inefficient electric grid, improving the environment in the process

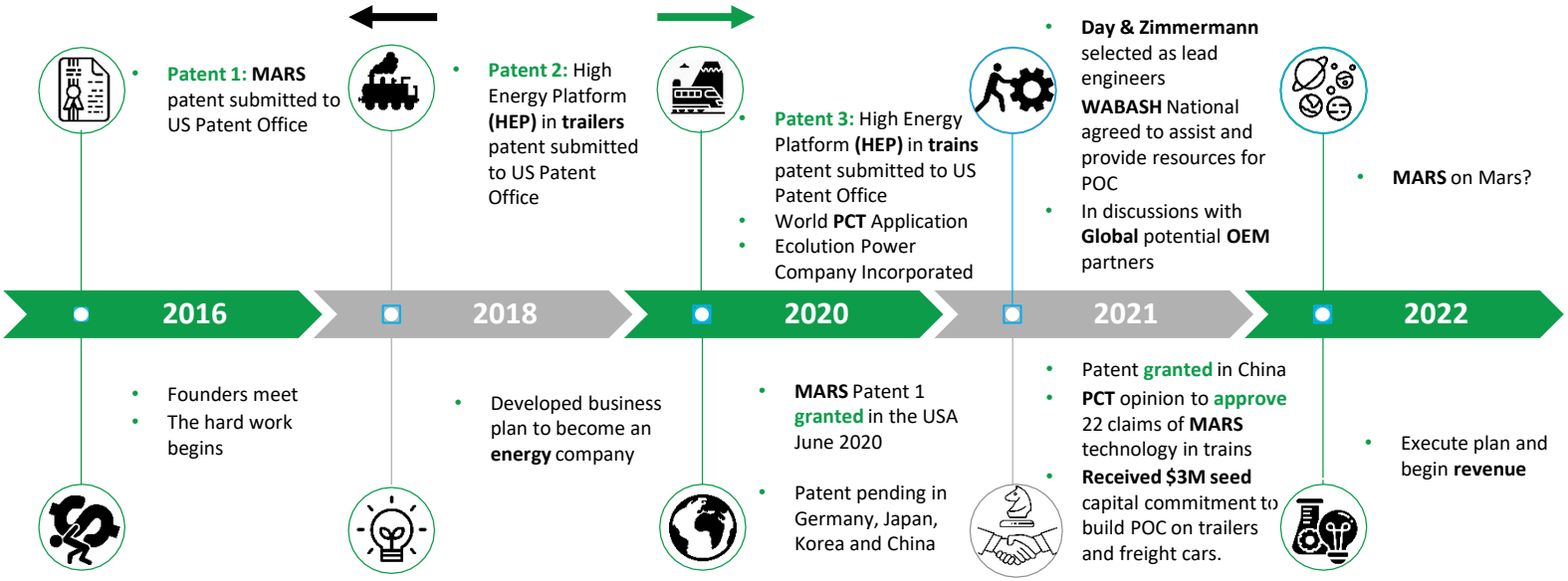
- Elimination of emissions in TRU GENSET
- Reduce emissions in train industry
- Converting freight cars and transit vehicles into power plants
- Mobile energy generation, storage and distribution
- Take energy where is needed
- Reduce cost of the battery
- New infrastructure for EV charging in train stations
- Train station powers the community

- Virtual Power Plant (VPP) & Rolling Microgrid



DEMONSTRATING GROWTH AND PROGRESS SINCE 2016

Our patents provide a once in a generation opportunity. A new way to deliver energy.



Other

- Invitation to **NSF SBIR** grant program
- Submitted **NSF SBIR** grant application
- Executed LOI with **Japan**, **Brown Ventures** and **Falls Rivers Group**

Began discussions with:

- **CARB** Reefer project
- **Minnesota** first net-zero carbon city project

Capital Accumulation

Bootstrapping	Bootstrapping	Angel Funding	Equity Funding	Dream Exchange IPO or SPAC

KEY LEADERSHIP

Ecolution Power Company is a minority owned business

FOUNDERS

Johanne Medina Then
CEO

- Self-motivated leader, highly focused and driven by challenges
- Created the vision and path forward for Ecolution
- 20+ years of senior management experience including real estate management, operations, strategic planning, controller, COO and SVP finance roles. His leadership and financial skills helped successfully raise $170M of private equity during the past 3 years

Johnny Then-Gautier
CTO

- Inventor and creator of the Module Active Response System (**MARS**) technology platform
- Beginning in 2015, he worked tirelessly to optimize and build the net zero emissions power generation technology
- Education: BA in International Relations from Universidad del Caribe in Dominican Republic

Craig Bouchard
Executive Chairman

- Co-founded three metals companies that achieved over $1 billion of revenue within 18 months
- Finalist for CEO of the Year in the Global Metals Industries 2018, S&P Platts Annual Awards
- Mentor, impartial, objective, approachable and tactful
- New York Times Best Selling Author

Angel Lockward
Co-founder

- Ability to engage and motivate others
- Work discipline, sense of responsibility and resourcefulness to find creative solutions to solve problems
- Education: MBA in Marketing and Negotiations from Universidad Camilo Jose Cela in Madrid

Luis De Los Santos, Ph.D.
Co-founder

- Ph. D. in Agricultural Economics from the University of Göettingen, Germany. Talca University and Pointifica Catolica Madre y Maestra, Dominican Republic
- His work has been funded by several institutions including the Inter-American Development Bank, Food and Agricultural Organization of the UN, US Agency for International Development, Coopération Internationale en Recherche Agronomique pour le Développement (CIRAD)

KEY LEADERSHIP

BOARD OF ADVISORS

Ecolution and its game changing technology has been carefully sculpted by world-class team of entrepreneurs and innovators

Richard Giromini

- Is an industrial manufacturing leader with 40+ years of experience in the automotive and commercial transportation industries
- Served as Wabash National Corporation's Chief Executive Officer through 2018. Under his leadership Wabash National grew to a $2 billion+ company, achieving all-time records in revenue and profitability
- Past services include Chairman of the Truck Trailer Manufacturers Association (TTMA)

Ernest Matsuo Higa

- Currently serves as the Chairman, President and CEO of Higa Industries Co., Ltd. And CEO of Wendy's Japan K.K
- A 3rd generation Japanese-American entrepreneur
- In addition to his business activities, he serves on the Board of Overseers at Columbia Business School, is a member of Keizai Doyukai (Japan Association of Corporative Executives), and is the Chairman of the Board of Councilors of US-Japan Council

Jack M. Greenberg

- Served on the Board of Directors of InnerWorkings, Inc. as its non-executive Chairman
- At the end of 2002, he retired as Chairman and CEO of McDonald's Corporation where he has served since 1991
- Previously, he was Partner and Director of Tax Services for the Midwest Region and Chicago office or Arthur Young & Company
- He is a member of the American Institute of Certified Accountants

William Farley

- Sole shareholder of Liam Ventures, Inc., a private equity firm with investments in various industries
- From 1986 to 1999, he served as Chairman and CEO of Fruit of the Loom, Inc. (FTL)
- Built FTL from a domestic $500 million underwear company into a leading intl. manufacturer and marketer of apparel with sales approximating $2.3 billion for the 1999 fiscal year. FTL was sold to Berkshire Hathaway for approx. $1 billion

Randolph C. Read

- Has served as CEO, COO, CFO and a public company Chairman of the Board, including various ventures of the past 39 years partnered with Michael Milken
- Since 2009, he has been President and CEO of Nevada Strategic Credit Investments
- Additionally, he serves as Audit Committee Chairman for SandRidge Energy, Inc. and Special Committee Co-Chairman for Luby's, Inc

KEY LEADERSHIP

ADVISORS

Ecolution and its game changing technology has been carefully sculpted by world-class team of entrepreneurs and innovators

John Lee
CRO

- Specializes in supporting venture-backed Government Anticipated Technology companies with their Government go-to-market strategy and mission/market-led product strategy
- Dual Tech Operator with over a decade of experience negotiating and awarding major systems contracts with the defense industry
- As Contracts Directorate has managed Govt funds in excess of ~$3B for various U.S DoD Programs

Robert Burkart
Engineering

- Automotive & Aerospace Engineer
- Experienced in CIO with a demonstrated history of success in varied industries including aerospace, building materials, and marketing services
- Currently, he is leading the digital transformation projects at FirstKey Homes
- Additionally, he is serving as chair of the cyber security and incident response committees, reporting to the Board of Directors
- Resident Pragmatist

Seth Lim
Advanced Control Systems Engineer

- Ph.D. Candidate at the University of Sheffield (UK) in the topic of "Control of Passive and Active Robot Swarms via Magnetic Forces“
- Rolls-Royce Research Engineer
- Fraunhofer-Gesellschaft Research Fellow at the Department of Control Systems
- Founder of an award-winning international rocketry team for the Spaceport America Cup 2018

Eric Korita
Business Development

- World class competitor
- 15 years developing strategic partnerships
- Principal partner in three private companies
- VP of sales in the public and private sector
- Determined, enthusiastic and creative

0 **Zero Emissions**

1 **ONE** GLOBAL ENERGY PLATFORM

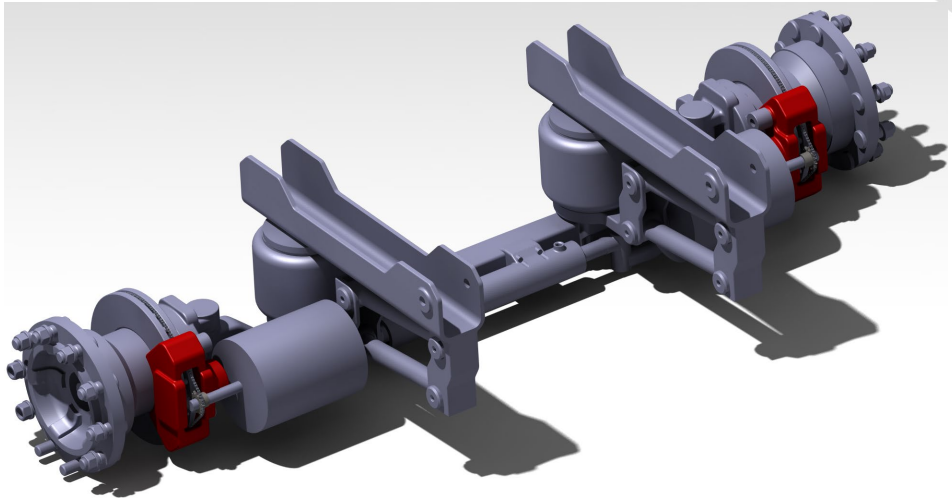
An opportunity to invest in a scalable clean technology

2 **TWO** MARKET SOLUTIONS:

ZERO EMISSIONS REEFER TRAILER AND FREIGHT CAR MICROGRID APPLICATIONS

3 **THREE** CORE BUSINESS

OFFERINGS: ZERO EMISSIONS REEFER TRAILER, FREIGHT CAR MICROGRID AND DISASTER RECOVERY/MILITARY MICROGRID



Patent No.: US 10,668,814

Patent Pending

I. ECOLUTION POWER COMPANY

WE ARE ECOLUTION

Vision: Help our partners to create a commercial just-in-time rolling electric grid

A UNIQUE BUSINESS MODEL…

The world's largest taxi company owns no vehicles

Uber

The world's largest hotel company owns no real estate

airbnb

The world's most popular media creates no content

The world's most watched motion picture and television network owns no theaters, TV stations or cable network

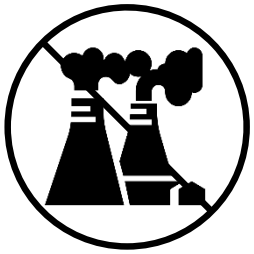
NETFLIX

The world's most valuable retailers have no stores

amazon

Alibaba Group 阿里巴巴集团

The world's largest communication companies, with well over 4 billion customers, have not met their customers (WeChat, You Tube, Tik Tok, What's App, Instagram, and Snapchat)



Soon, the world's largest energy company will own no power plants

ecolution kWh

POWERED BY A UNIQUE BUSINESS STRATEGY

These distinct business offerings enable disruption across the "Green Perfect Cycle"[1] value chain

MISSION STATEMENT

- Eliminate emissions from the supply chain of food and medicine
- Helping create an e-mobile electric power company without major capex
- Delivering power in large scale to towns and cities, and places where it is not currently available

POTENTIAL STRATEGIC PARTNERSHIPS

BNSF Railway, RJ Corman Railroad Company, Target, Draper, Toyota, Sysco, elematec, American Electric Power, Walmart, FedEx, Wabash National, Great Dane, U.S. Air Force

BUSINESS MODEL COMPONENT

CORE BUSINESS

Reefer Trailer
E^2 GENSET Mobile Platform

- Reduce weight by 1,200 pounds
- Zero emission in trailer
- Increase power generation

Freight Cars
E^3 HEP Mobile Platform

- Rolling microgrid through towns and suburbs
- Conducive to e-mobility
- 3 MWh - 5 MWh per day

Trailers (Municipal)
E^4 HEP Mobile Platform

- Disaster recovery extensions of the microgrid
- Mobile generation, storage and distribution of energy
- Moving energy to where it is needed during EMP or national attack

FIXED PLATFORMS

Charge Station

- Turns train station into a regional charging station
- Can be slow charge station
- Infrastructure exists today

Storage Unit

- Swappable batteries
- Scalable
- Powers a community / military base

TARGET USE CASE

Low Energy Platform (E^2)	High Energy Platform (E^3)	High Energy Platform (E^4)	Capacity-as-a-Service	
Licensing fee per trailer	Energy-as-a-Service $/kWh	Energy-as-a-Service $/kWh	Energy-as-a-Service $/kWh	Energy-as-a-Service $/kWh

1. **Green Perfect Cycle:** it is the process of generating and delivering energy from renewable sources to the end user / consumer
2. **E^2:** means **E**colution's **E**nergy = **E^2**. E^2 also represents the Low Energy Platform
3. **E^3** (trains) and **E^4** (military trailers) represent High Energy Platforms (HEP)

Patent Pending

II. MARKET & BUSINESS MODEL SUMMARY

A ROAD MAP TO WORLD CLASS STRATEGIC PARTNERS

SUPPLY CHAIN

OUR BUSINESS

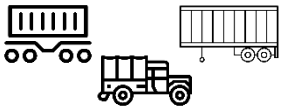
BUSINESS MODEL

R&D

- Ecolution partners with strategic ODMs for **MARS** component design
- Ecolution partners with OEMs for **MARS** component assembly / retrofit

Component Manufacturers
Original Design Manufacturers
(ODM)

- ODMs design **MARS** components
- ODMs sell **MARS** components to OEM



Manufacturers
Original Equipment Manufacturers
(OEM)

- OEM purchases **MARS** components from ODM to assemble final product (s)
- OEM sells final product to customer / end user

Customers / end user

FedEx, TARGET, amazon, Walmart, Sysco, U.S. AIR FORCE

TARGET USE CASE

DRAPER, Dominion Energy, AEP American Electric Power, Southern California Edison, BNSF Railway

ematec, TOYOTA, MITSUBISHI, MAN

Great Dane, WABASH NATIONAL, RJ Corman Railroad Company, BNSF Railway

R&D exclusive work	Strategic	Strategic	Licensing fees	Energy-as-a-Service $/kWh

BATTERY STORAGE CAPACITY OVERVIEW

POTENTIAL STRATEGIC PARTNERSHIPS

amte power, Envision, InoBat, microvast, PSA Groupe, Toshiba, BYD, Farasis, LG Chem, Morrow, Samsung, Verkor, Panasonic, CATL, Freyr Renewable energy storage, Leclanché Energy Storage Solutions, northvolt, SK innovation, Johnson Controls

BATTERY STORAGE CAPACITY PER UNIT

	Reefer Trailer E^2 GENSET	Train Rail Cars E^3 HEP	Train Rail Cars E^3 HEP Freight
No. of units	**1**	**1**	**1**
Storage Capacity			
Capacity in kWh	98.00 kWh	500.0 kWh	2,500.0 kWh
Capacity in MWh	0.10 MWh	0.5 MWh	2.5 MWh
Capacity in GWh	0.0001 GWh	0.001 GWh	0.003 GWh

BATTERY STORAGE CAPACITY ALL UNITS @ Y6

	Reefer Trailer E^2 GENSET	Train Rail Cars E^3 HEP	Train Rail Cars E^3 HEP Freight
No. of units	**10,000**	**600**	**5,400**
Storage Capacity			
Capacity in kWh	980,000.0 kWh	300,000.0 kWh	13,500,000.0 kWh
Capacity in MWh	980.0 MWh	300.0 MWh	13,500.0 MWh
Capacity in GWh	1.0 GWh	0.3 GWh	13.5 GWh

BATTERY MANUFACTURING PROJECTS IN EU

(Company, completion year and city, current capacity, max capacity)

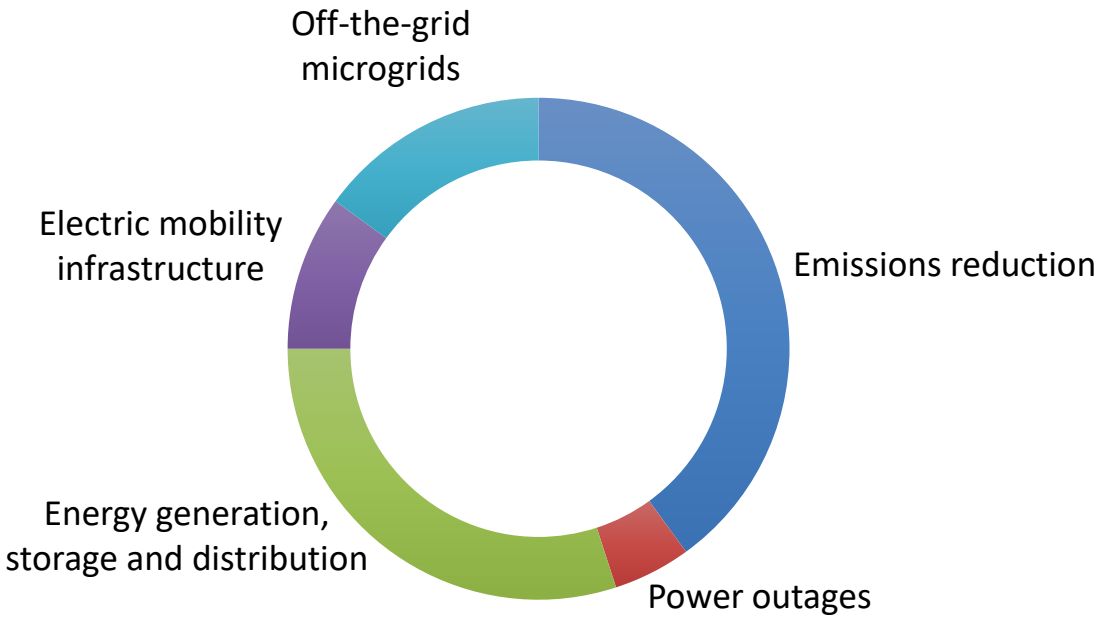
- Northvolt, 2024 Salzgitter, 16 GWh, **24 GWh**
- Envision AESC, 2010 Sunderland, **1.9 GWh**
- AMTE power, 2023 GB, 10 GWh, **35 GWh**
- CATL, 2022 Erfurt, 14 GWh, **100 GWh**
- PSA, 2022 Kaiserlautern& Dury, 16 GWh, **64 GWh**
- Leclanché, 2020 Willstat, 1 GWh, **2.5 GWh**
- BYD, 202X, EU, X GWh
- Samsung, 2018 God, 3 GWh, **15 GWh**
- SK Innovation, 2020 Komaron, **7.5 GWh**
- InoBat, 2020 Bratislava, **10 GWh**
- LG Chem, 2018 Wroclaw, 15 GWh, **65 GWh**
- Farasis, 2022 Bitterfeld, **16 GWh**
- Microvast, 2021 Brandenburg, 1.5 GWh, **6 GWh**
- Northvolt, 2021 Skelleftea, 32 GWh, **40 GWh**
- Freyr, 2023 Mo I Rana, **32 GWh**
- Morrow, 2024 Agder, 8 GWh, **32 GWh**
- Verkor, EU, **16 GWh**

Patent Pending

ROBUST DEMAND FOR OUR SOLUTIONS…

THEMES DRIVING DEMAND

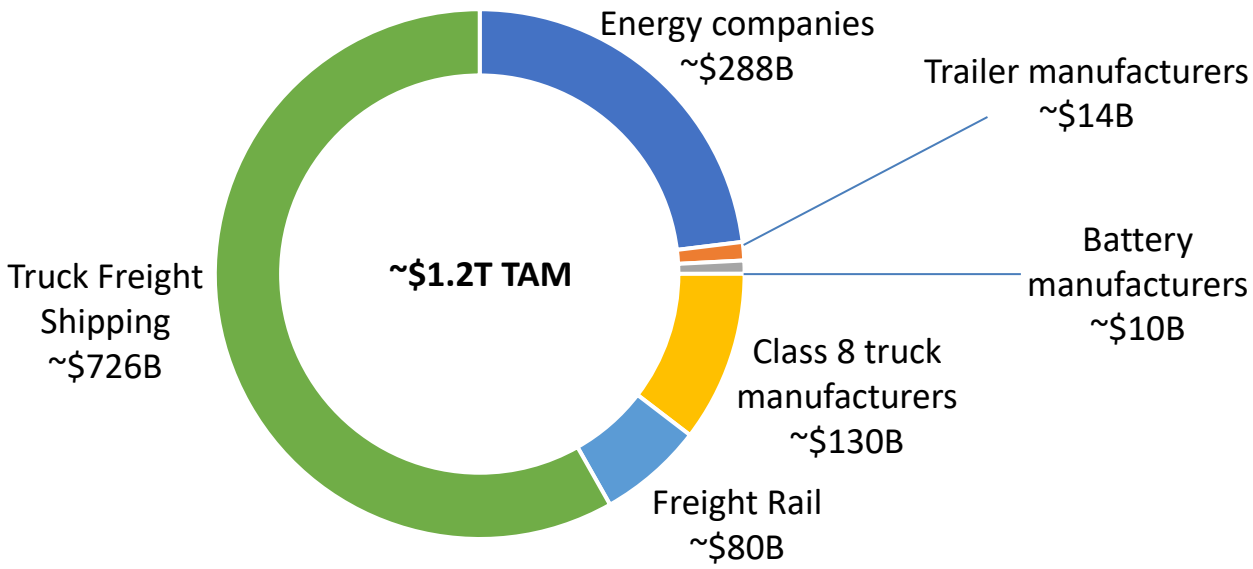
Assumptions of societal and commercial demands in transportation logistics and energy



OVERVIEW OF ECOLUTION'S ADDRESSABLE MARKET IN THE U.S.

Ecolution is the e-mobility company offering lower emissions and more power

BREAKDOWN OF U.S. $1.2 TRILLION DOLLARS TAM



REVENUE PROJECTION IN GLOBAL MARKET

Our company will remain a technology provider and R&D focused company. We will not manufacture components, trailers, or freight cars

REVENUE TABLE

		Reefer Trailer E^2 GENSET Platform	Transit Vehicles E^3 HEP Commuter Platform	Freight Cars E^3 HEP Freight Platform
Revenue	**Selling Price**			
	Base Case	$1,500 per trailer/yr	$0.01 per kWh	$0.01 per kWh
	Revenue			
	Qty Units	23,250	1,375	12,375
	kWh per year per railcar		285,511 kWh	548,149 kWh
	Revenue @ Y6	**$34,875,000**	**$3,925,778**	**$67,833,425**
	Total Revenue @ Y6		**$106,634,203**	
	EBITDA @ Y6		**$84,634,202.78**	

REVENUE NOTES

Ecolution KWH and the Ecolution Power Company will remain a technology provider and R&D focused company. Ecolution will not manufacture components, trailers, or freight cars.

Ecolution will lease its technology to the customer/end user in return for a monthly license fee. In the case of reefers, this will be approximately $1,500 per trailer per year. We intend to charge the train companies $0.01 per each kWh produced using our technology.

III. PRODUCT DEVELOPMENT & STRATEGY TIMELINE

TECHNOLOGY COMPARISON

The E^2 GENSET unit is lighter, produces energy with zero emissions

ECOLUTION'S E^2 GENSET UNIT VS TRU GENSET

	E^2 GENSET	TRU GENSET SGCO-3000
PRIMARY POWER GENERATION UNIT	Alternators	Diesel Engine Generator
FUEL TANK SIZE	N/A	50 gal (198 litres)
BATTERY STORAGE SIZE	45.4 kWh	N/A
OUTPUT POWER	12 kW	15 kW
REFUEL/RECHARGE TIME	Real-Time	10-15 Minutes
EST. HOURS DRIVE OPERATION 4 DAYS (10HRS/DAY)	40 Hours	40 hours
EST. HOURS IDLE OPERATION 4 DAYS (14HRS/DAY)	56 hours	56 hours
PPU SUSTAINABILITY PROFILE	Hauling trucks are abundant	Access to oil reserves can be costly and prices are highly volatile
MAINTENANCE REQUIREMENTS	Minimal	At least 3 times per year
DIRECT IMPACT ON EMISSIONS	Zero	* Average of 3,000 hours per year, annual PM emissions estimated to be 24.4 tons and annual carbon dioxide (CO_2) emissions are estimated to be 29,330 tons per year
EST. GENSET WEIGHT	900 lbs	2,154 lbs
EST. COST	$14,500	$18,000

*** Source: Electric Power Research Institute (EPRI)**

TECHNOLOGY COMPARISON

TOTAL COST OF OWNERSHIP (TCO) CALCULATION

	"Retrofit" Reefer Trailer E^2 GENSET Kit	**"New"** Reefer Trailer E^2 GENSET Kit	**New** Reefer with TRU GENSET
Investment Cost			
GENSET cost + labor	$14,500	$14,500	$18,000
Reefer trailer w/o GENSET Cost		$52,000	$52,000
Diesel GENSET credit	(10,000)		
Downtime costs by retrofitting	$3,000		
Total investment reefer	**$7,500**	**$66,500**	**$70,000**
Usage-related Cost			
kWh per day (24 hrs)	76.8		
kWh per year (250 days)	19,200		
Diesel gallons per day (24 hrs)			12.5
Diesel cost to produce 1 kWh	$0.26		
Diesel fuel cost per gallon	$3.00		
Diesel gallons per year (250 days)	**1,280**		**3,125**
***Diesel fuel cost per year**	**$4,992**		**$9,375**
Total cost for a 10-year usage period	**$49,920**		**$93,750**
EST. unit weight	**900 lbs**		**2,154 lbs**

* Emissions of Transport Refrigeration Units with CARB Diesel, Gas-to-Liquid Diesel, and Emission Control Devices

** **Weight savings:** The calculated value of the additional load capacity (1,200 pounds) created by the E^2 GENSET has not been considered.

Patent Pending

Ecolution has a potential save 24 tons of CO_2 emissions in one trailer or 23,630 tons of CO_2 emissions in one thousand trailers.

***Integrated TRU Unit with Diesel GENSET CO_2 Emissions Calculations**		
Engine speed high	18,000	CO_2 (g/hr)
Engine speed low	6,222	CO_2 (g/hr)
Avg. CO2	**12,111**	**CO_2 (g/hr)**
Avg. per day @ 10 hrs	121,110	grams
Avg. per year @ 300 days	36,333,000	grams
1 Unit in Kg	36,333	Kilograms
1 Unit in Tons	40	Tons
1,000 units in Tons	40,050	Tons
Ecolution's MARS CO_2 Emissions Reduction		
Avg. per day @ 10 hrs	71,455	grams
Avg. per year @ 300 days	21,436,470	grams
1 Unit in Kg	21,436	Kilograms
1 Unit in Tons	24	Tons
1,000 units in Tons	23,630	Tons

SAVINGS

Savings Per Reefer Trailer in the U.S		
Diesel gallons savings per year		1,845
Diesel cost savings per year	$	4,383
Diesel cost savings in 10 years	$	43,830
**Weight savings in lbs		1,254

Savings for 1,000 Reefer Trailers in the U.S.		
Diesel gallons savings per year		1,845,000
Diesel cost savings per year	$	4,383,000
Diesel cost savings in 10 years	$	43,830,000
**Weight savings in lbs		1,254,000

TRAINS

Train companies run on small margins with large amounts of annual capital expenditures and significant carbon emissions. Ecolution desires to help change the industry for the better. Our technology allows the owner of the train to retrofit roughly three cars per train to include our **MARS** system and a large cylindrical battery unit lining its platform.

A single freight car could generate between 1 MWh to 3 MWh per day retrofitted with the **MARS** system. Its high energy density, fast charging battery storage system would be capable of accommodating the storage required to meet the needs of the communities served by the train line.

Our vision is to enable a transformation of the aging train companies into e-mobility power generation

Our vision is to enable the aging train operators into e-mobility power companies capable of feeding the power needs of the train stations, providing power to the town or community surrounding the station.

Tomorrow's train station can become the center of e-mobility in each town, slow charging electric vehicles, bikes and scooters parked at the station, and powering the buildings and stores in the community at a price per kWh which is less than that available on the grid.

Patent Pending

ECOLUTION COMPARISON VS OTHER ENERGY SOURCES

POWER PLANT CAPITAL AND OPERATING COSTS

	Plant Characteristics	Plant Costs				
Technology[1]	**Capacity (MW)**	**Capital Cost ($/kW)**	**Capital Cost in millions**	**Fixed O&M ($kW-yr)**	**Variable O&M ($/MWh)**	**ROI**[2] **yrs**
Coal[3]	500	4,447	2,223	54.3	5.4	10-15
Natural Gas	500	1,041	520	10.4	5.1	10-15
Uranium	500	5,945	2,973	100.3	2.3	10-15
Biomass	500	4,985	2,493	110.0	4.2	10-15
Wind (Onshore)	500	1,877	939	39.7	0	10-15
Solar	500	2,616	1,308	22.0	0	8-10
Kinetic (MARS)[4]	**500**	**135**	**68**	**2.0**	**-**	**4-6**

[1] **All technologies costs have been calculated at an avg. cost of different powerplant types.**

[2] **Kinetic (MARS) 4.3 yrs ROI based on $0.12 per/kWh retail rate and 25% income tax.**

[3] **Excluded conversion to Natural Gas and conversion to 10% biomass categories from avg.**

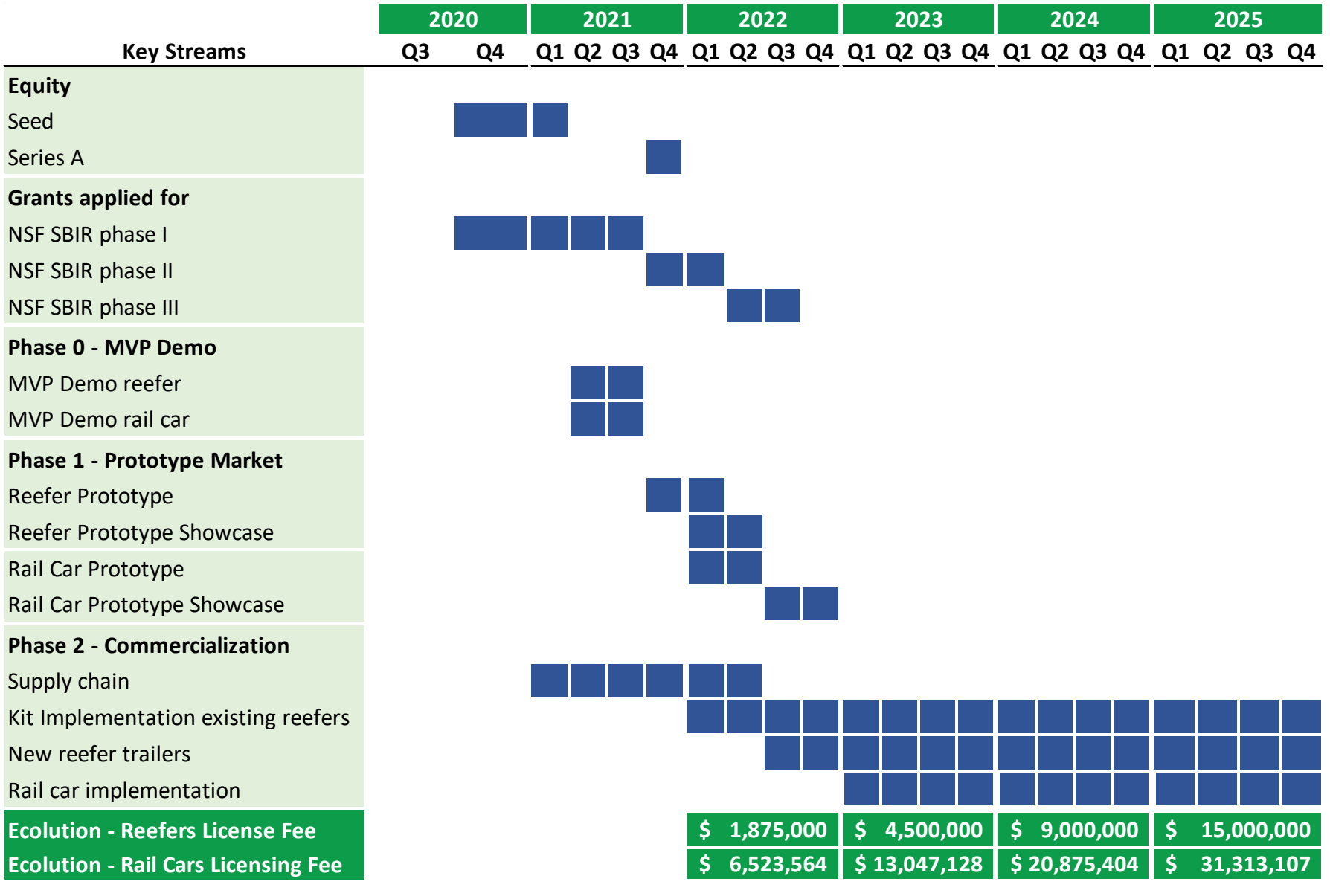
[4] **Module Active Response System (MARS). Ecolution kWh's patented technology.**

Source 1: https://www.eia.gov/analysis/studies/powerplants/capitalcost/pdf/capcost_assumption.pdf

Source 2: Ecolution's Model Version 1.3

CLEAR PATH TO BE FIRST IN THE GLOBAL MARKET.

DEFINED ROADMAP



DISCLAIMER

Ecolution Power Company., is furnishing this document and the information herein on a confidential basis to select persons. This document may not be reproduced or used by or distributed to others, at any time, in whole or in part, for any other purpose without the prior written consent of Ecolution Power Company., and all recipients agree that they will keep strictly confidential this document and all data and information contained herein. Acceptance of this document constitutes an agreement to be bound by the foregoing terms.

The information contained herein is being provided to assist interested parties in making their own evaluation of Ecolution Power Company., and/or its subsidiaries and affiliated entities (collectively, the "Company"). This document does not purport to be all-inclusive or contain all the information that such parties may desire in investigating the Company. In all cases, interested parties must conduct their own examination of the Company and should not consider any investment in or transaction with the Company unless satisfied that it has received and reviewed all information about the Company to enable it to evaluate the merits and risks of any proposed investment or transaction involving the Company. The Company does not make any representation or warranty as to the accuracy or completeness of this document or the information contained in, or for any omissions from, this document.

Caution Regarding Financial and Operating Projections

All financial and operating projections, forecasts, models or estimates about or relating to the Company included in this document have been prepared based on various estimates, assumptions and hypothetical scenarios. Forecasts and projections of operating results and financial performance are, by nature, speculative and based in part on anticipating and assuming future events (and the effects of future events) that are impossible to predict and no representation of any kind is made with respect thereto. The Company's future results and achievements will depend on a number of factors, including the accuracy and reasonableness of the assumptions underlying any forecasted information as well as on significant business, economic, competitive, regulatory, technological and other uncertainties, contingencies and developments that in many cases will be beyond the Company's control. In addition, certain prospective financial and operating information contained herein covers multiple years and such information by its nature becomes subject to increasing uncertainty with each successive year. Accordingly, all projections or forecasts (and estimates based on such projections or forecasts) contained herein should not be viewed as an assessment, prediction or representation as to future results and interested parties should not rely, and will not be deemed to have relied, on any such projections or forecasts. Actual results may differ substantially and could be materially different than any projection, forecast, model or scenario set forth in this document. The Company expressly disclaims any obligation to update or revise any of the projections, forecasts, models or scenarios contained herein to reflect any change in the Company's expectations with regard thereto or any changes in events, conditions or circumstances on which any such statement is based.

ecolution kWh

A JUST-IN-TIME ROLLING ELECTRIC GRID

www.ecokwh.com
info@ecokwh.com