



— W H I T E P A P E R —





Contents

1 GAED2

3 Introduction

- 3 Global Market
- 4 What Value GAED2 Can Offer

5 Problem

- 5 Inefficiency of Electricity Usage and It is Costing Us

7 Market Opportunities

- 9 Residential
- 9 Commercial
- 9 Industrial
- 9 Power Plants
- 9 Others

10 Solution

- 13 Sample Interface

14 Rewarding Users by Carbon Emissions

15 Technology

- 15 Smart Meter
- 16 ML Analysis
- 16 Consumption Behavior Automation and Advisory
- 17 Smart Contract
- 18 Electricity Audit
- 18 Digital Twins

19 Platform

- 20 Pricing

22 GAED2 Token

- 22 Token Ecosystem and Utility
- 22 Enterprises
- 23 Consumers
- 23 Suppliers

24 Token Sale

25 Partners

26 Roadmap

28 Team

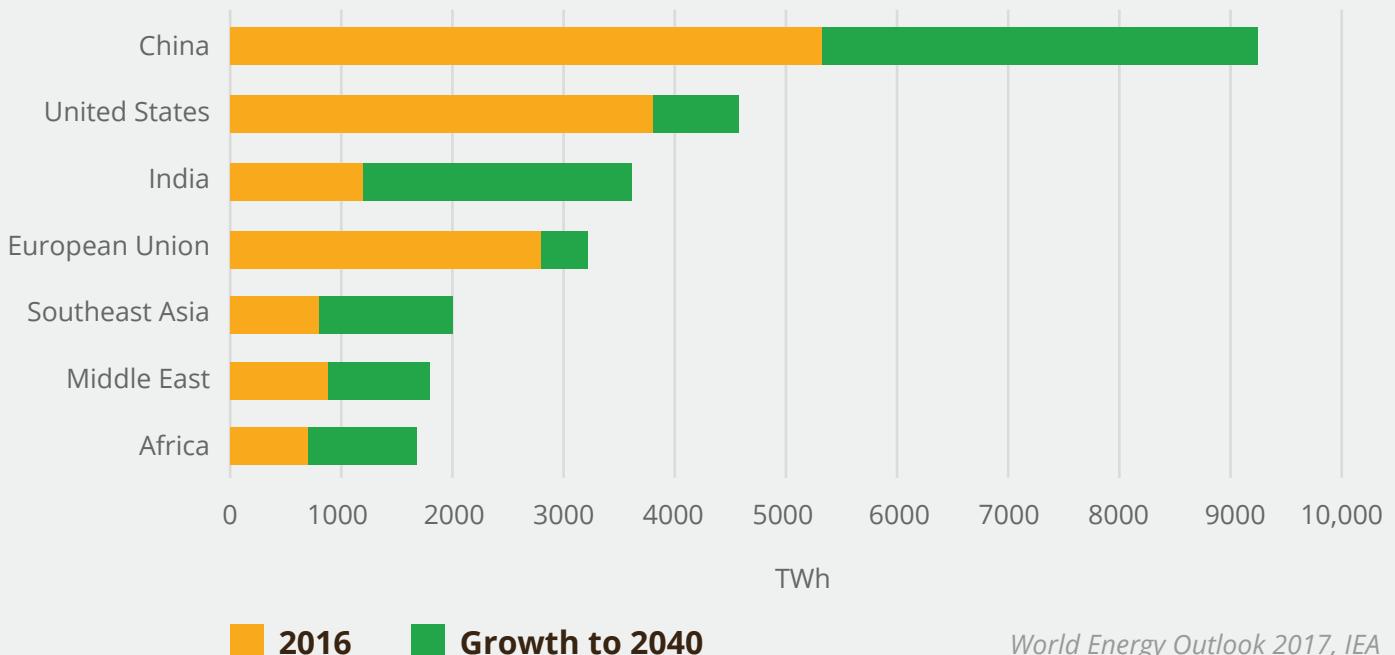
31 Legal

Introduction

Global Market

The current global energy market is aimed at reducing global warming while seeking renewable sources to keep up with the growing consumption of energy. A study on global energy insights for this year predicts that electrification will accelerate across sectors including transport, buildings and industrial level processes, and electricity demand will increase four times faster than that of other energy fuels¹². Projection analyses indicate that energy consumption will continue to rise rapidly, especially in developing markets like China, India and even Southeast Asia. Electricity consumption may come to make up 40% of the rise in final energy consumption to 2040, as shown in the diagram below. This is the same share of growth that oil took for the last twenty-five years.

Electricity Demand by Selected Region



What Value GAED2 Can Offer

Energy supply today emphasises sustainability, economic efficiency and reliability of energy systems. Improvements in efficiency, in particular, is important to alleviate the strain of electricity supply. Without them, the projected rise in final energy use would more than double³. As we shift towards a decentralised, distributed electric grid, we are better able to balance supply and demand and increase stability of the system, and also gives us the right to choose more sensible, energy-efficient means of which we derive our electricity from.

GAED2 is the first of such a platform in Southeast Asia that can help you make more informed choices in terms of energy-efficiency. By evaluating your energy consumption practices and provide suitable solutions, **GAED2 is able to:**

- leaf Reduce energy costs in your facility.
- leaf Enables you to increase the comfort of those in the facility.
- leaf Reduce the dependence on foreign energy sources.
- leaf Reduce environmental damage and pollution.
- leaf Reduce the impact of greenhouse gas emissions.
- leaf Level 1 and Level 2 with ML incorporated report

Aside from increased efficiency, GAED2 hopes to provide transparency and traceability to the consumer within the domain of energy supply. Even if there are savings to be made, we understand it might be too much of a hassle to switch between suppliers. GAED2 wants to be the facilitator for consumers to adopt green energy practices by cutting through all these barriers. On top of these savings in your electricity bills, we will give you financial incentive to save energy with us. You just need to sit back while we take care of it.

¹ "McKinsey Energy Insights' Reference Case on Global Energy Demand to 2050." GEP Home. Accessed 2018.
<https://gep.mckinseyenergyinsights.com/>.

² Davis, Lisa. "How 'Electrifying' the Energy Sector Can Decarbonize the World." World Economic Forum. Accessed 2018.
<https://www.weforum.org/agenda/2018/02/how-electrifying-the-energy-sector-can-decarbonize-the-world/>.

³ "WEO 2017 : Key Findings." S: Global Carbon Dioxide Emissions, 1980-2016. Accessed 2018.
<https://www.iea.org/weo2017/>.

 Problem

Inefficiency of Electricity Usage and It is Costing Us

The world today runs on electricity and is highly dependent on it to function.⁴ However, electricity usage has been steadily increasing so much that it poses a worry of unnecessary wastage for many nations. Singapore's household electricity consumption has grown about 17 per cent over the last ten years, with consumption totalling 7,589.4 GWh (gigawatt hours) last year, with total energy consumption at 48,626.6 GWh.⁵ Just last month, the National Environment Agency launched their second annual Energy-Saving Challenge in an effort to get the public to cut electricity by at least one per cent. Despite that, such efforts alone may not yield the most desirable results. In an NEA survey conducted in 2017, findings show that the general public valued personal comfort over saving energy, and four in five households said cost savings would motivate them to take steps to save energy, but not if it inconveniences them.⁶

A constantly greater demand means the cost of electricity is rising as well. Governments set tariffs in an effort to discourage the use of electricity, with some countries increasing tariffs that exceed real wage growth. According to the numbers above, each household spends between \$1,000 to \$3,000 a year on electricity, depending on dwelling (public housing and private housing).⁷ Many countries are building more infrastructure to address the rising demands and costs. An emerging market like Bangladesh is aiming to produce 13GW of power within the next few years, which can cost up to US\$20 billion for the infrastructure. The rest of the world looks towards alternative and renewable sources of energy, solving the problem at the supply end.

Even with new infrastructure, wastage and utility cost remains a problem if left unchecked. The environment also suffers from pollution by the government and independent power plants where more fuel is produced for the same amount of power. Other than introducing alternative sources, little has been done to drive efficiency in energy use in affordable terms. There are opportunities at the consumption end untapped, and this is where GAED2 comes in.

⁴ "International Energy Outlook 2017." U.S. Energy Information Administration. September 14, 2017. Accessed 2018.

https://www.eia.gov/outlooks/ieo/exec_summ.php.

⁵ Abdullah, Zhaki. "Singapore's Household Electricity Consumption Up 17 Per Cent Over Past Decade." The Straits Times. May 05, 2018. Accessed 2018.

<https://www.straitstimes.com/singapore/singapores-household-electricity-consumption-up-17-per-cent-over-past-decade>.

⁶ "Household Studies." E2Singapore. Accessed 2018. http://www.e2singapore.gov.sg/Households/Saving_Energy_At_Home/Household_Studies.aspx.

⁷ "Revenue Statistics in Asia: Singapore (Edition 2017)." OECD Tax Statistics, 2017. doi:10.1787/b173cf3b-en.



Other countries aside from Singapore may also maximise the benefits of GAED2, more so for countries where electricity is relatively expensive. More often than not, the electricity consumption in many countries can be greatly reduced if properly remedied, thereby reducing cost on electricity they leave to waste.

COUNTRY/TERRITORY	US CENTS/KWH
Bangladesh	2.95 to 9.24
Indonesia	3.07 to 4.1 (subsidised) 9.4 to 10.27 (non-subsidised)
Malaysia	5.35 to 14.28 (subsidised, based on exchange rate of 4.0 MYR to 1 USD)
Myanmar	3.6
Pakistan	2 to 18 (General Supply Tariff - Residential)
Philippines	18.22 to 25.2
Saudi Arabia	4.8 to 8
Singapore	16.06 (based on exchange rate of 1.4 SGD to 1 USD)
United Arab Emirates- Dubai	6.26 to 10.35 (plus 1.63 fuel surcharge)
United Arab Emirates- Abu Dhabi	0 to 8.23 (i.e. AED 0 to AED 0.305)
United States	8 to 28 37 to 43 (Hawaii)

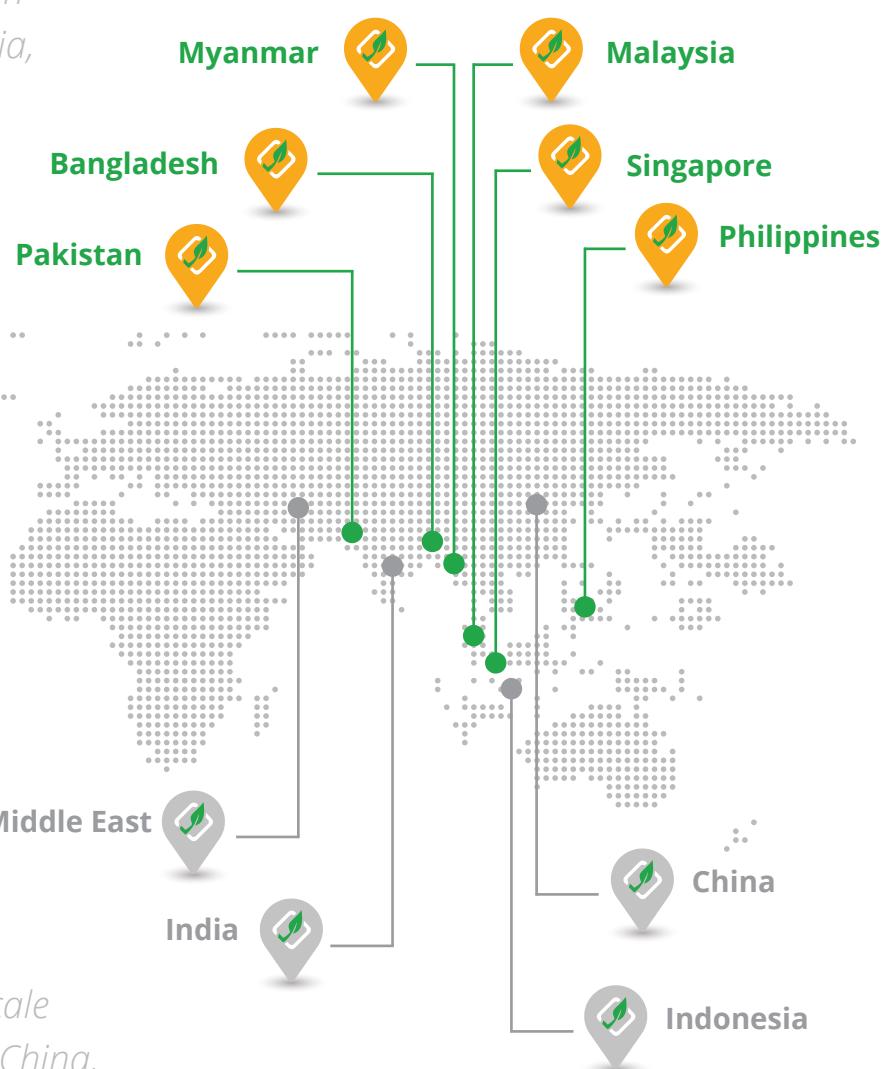
The diagram above summarises the price of electricity in USD/kwh in markets that GAED2 is keen on expanding into, given GAED2's ready influence in several of these countries. In many of these cases the disparity between the lowest and highest cost value can go up to more than 100% the lower value. Different verticals aside, it seems like an area of opportunity in the industry where we can audit savings at the national or international scale.



Market Opportunities

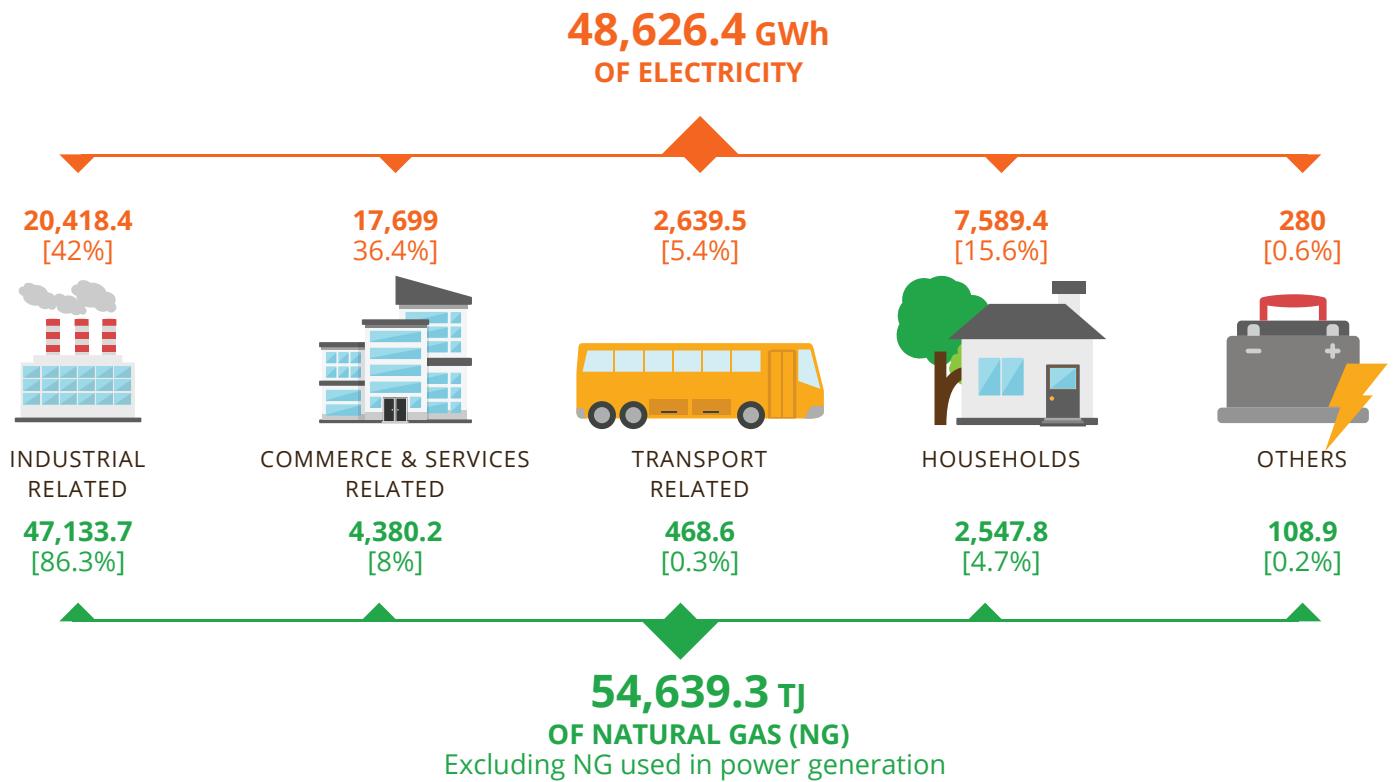
As the fastest growing market, with energy consumption almost doubling year on year, Asia will be the primary market that GAED2 is focused in. Energy consumption patterns indicate that China, India (or South Asia), Southeast Asia and Middle East will be expanding at the greatest rate, and therefore ideal primary targets for the next five years. GAED2 already has a presence in Singapore, Bangladesh, Malaysia, Myanmar, Pakistan, and the Philippines. We are confident that we can scale and deploy GAED2 platform to China, the Middle East, India, and Indonesia — a combined market worth a conservative US\$800 million (8,700 TWh). By optimising efficiency of energy consumption by 5%, GAED2 can save consumers in Asia several millions of dollars annually.

GAED2 already has a presence in Singapore, Bangladesh, Malaysia, Myanmar, Pakistan, and the Philippines.

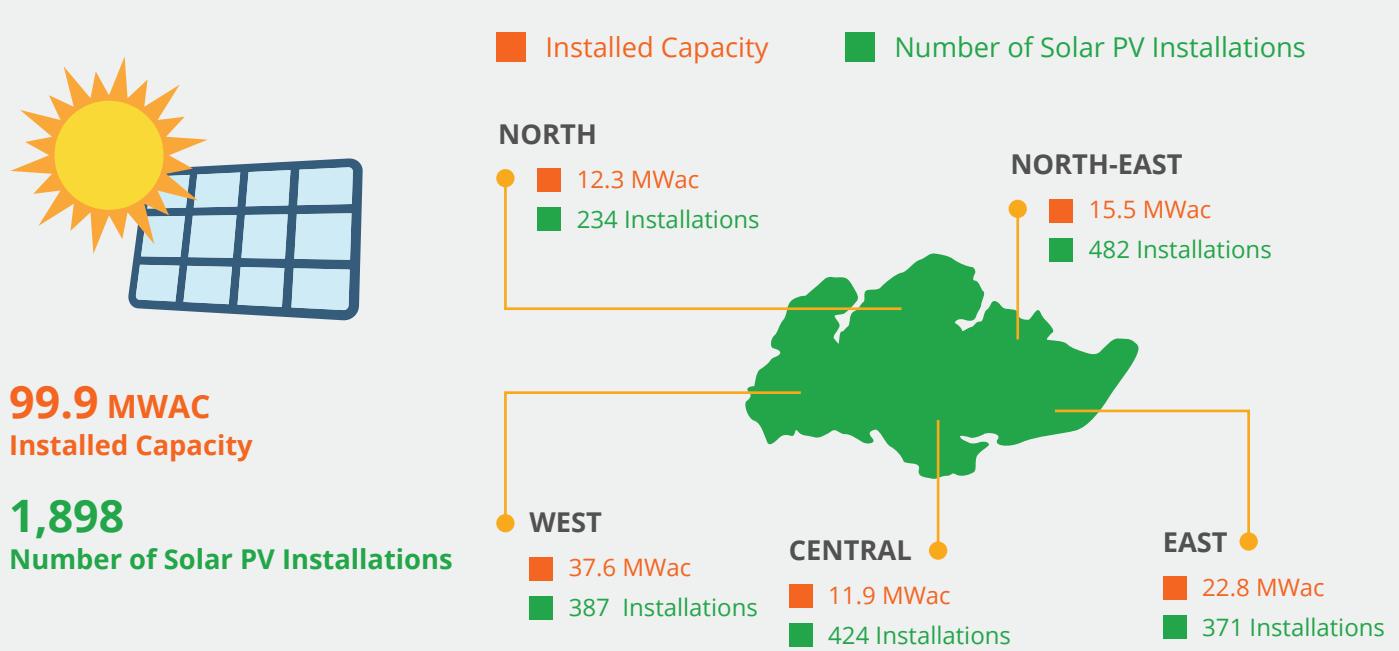


We are confident that we can scale and deploy GAED2 platform to China, the Middle East, India, and Indonesia

SINGAPORE ENERGY CONSUMPTION



SOLAR FOR SINGAPORE (AS AT END 1Q 2017)





Residential

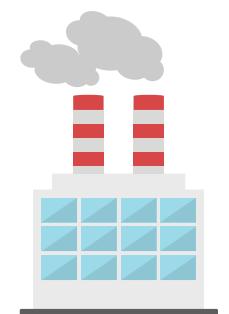
This sector, including private and public housing, accounts for more than one third of the nation's electricity consumption. Demand for electricity in this sector is usually highest due to use of air conditioners to cool spaces as well as lighting. Other appliances such as refrigerators and dryers can factor into their utility consumption.

Especially after liberalisation of the retail electricity market, most consumers, when identifying which supplier is more suitable to their needs to save costs, struggle with the hassle of probing and comparing supplier pricings and contracts with their own energy usage habits.



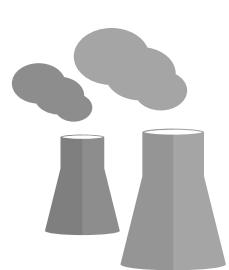
Commercial

This sector comprises private and public organizations, government facilities and service-providing facilities and equipment. It also accounts for more than a third of national electricity use. Commercially, biggest uses of electricity are air conditioning, ventilation, heating and lighting. Demand is at a high during business hours and decreases significantly at night and during the weekend.



Industrial

Including factories, warehouses and refineries, industrial electricity consumers tend to use electricity for assembling, producing and processing goods. More than half of total electricity used in manufacturing is utilised for powering motors, while other significant uses are for cooling, heating and electrochemical processes.



Power Plants

A power plant is an industrial facility used to generate electric power. Most power plants use generators which converts different energy sources into electric power by means of burning fossil fuels such as coal, oil, and natural gas to generate electricity. Others use nuclear power, but there is an increasing use of cleaner renewable sources such as solar, wind, wave and hydroelectric.

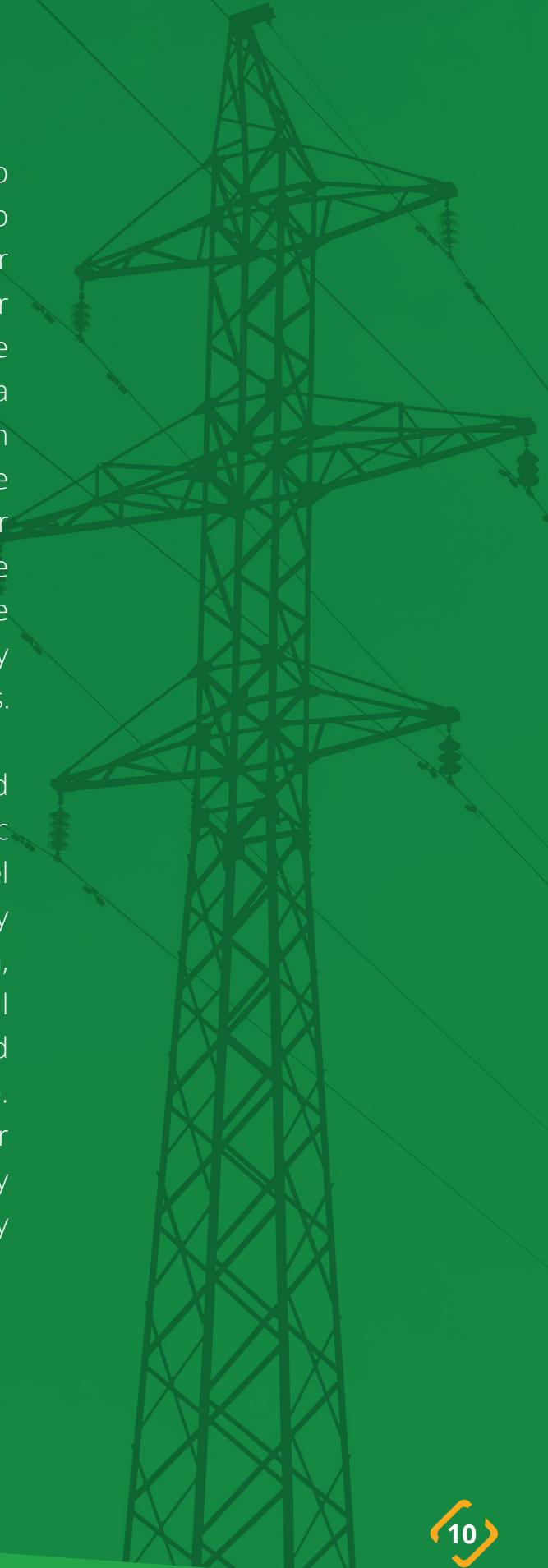


Others

Electric or battery-powered vehicles, for example, are a growing phenomenon, as well as other systems like train rail that need to be constantly connected to the electricity grid. In the near future, GAED2 will review other markets and potentially branch into fields such as transport as areas of development.

Fundamentally, GAED2's mission is to help consumers save costs while saving the earth a step at a time. We will be a one-stop shop for implementing energy-efficient solutions for end-users at different levels. We are also aware that the energy market is vast, but lacks a common, open marketplace to match supply with demand. Whether electricity suppliers have the latest technologies, most competitive services or simply excess energy to be utilised, GAED2 will be the facilitator for these parties to the respective areas of demand to achieve maximum productivity while minimizing wastage of energy and expenses.

In addition, GAED2 will accredit vendors and consumers on the platform with GAED2 rubric adapted and improved from market-level benchmarks. We plan to implement an energy efficiency rating system of our own, complementary with the GAED2 system, that will be rapidly adopted by our various clientele and used universally as a standardised measure. GAED2 will also constantly review our supplier/vendors, through ratings generated by feedback and Machine Learning, to ensure we only recommend what is trusted.



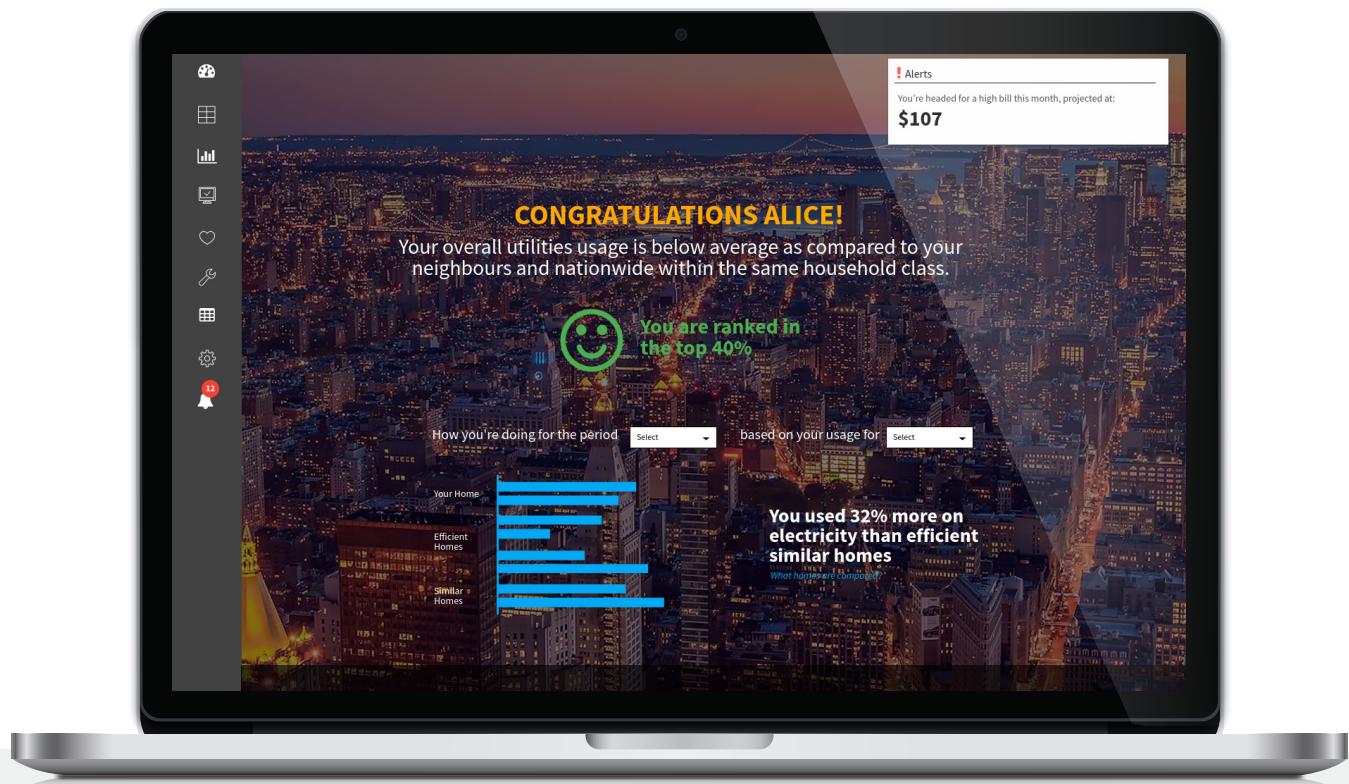


The platform will first and foremost provide an assessment for GAED2 users on their current electricity expenditure. GAED2 is able to advise on several aspects including equipment, grid, and alternative energy, as shown in the diagram above. This process is meant to reduce unnecessary energy consumption where possible, and thus reducing carbon emissions contributed by each user and, naturally, reducing cost spent on electricity.

Another use of the platform involves balancing excess supply with demand of electricity. GAED2 recognises that many sources of electricity remain untapped and wasted eventually. For example, there are many buildings with running standby generators which are underutilised. The remaining percentage of electricity can be channeled to run other utilities and services elsewhere to maximise electricity that is being paid for. On GAED2, we can help identify possible matching opportunities and minimise energy wastage this way. Those who contribute will be recompensed with GAED2 coins that can be used to offset electricity bills or spent on the platform. Suppliers or vendors will likewise accept and receive payment via GAED2 coins. With multiple transactions occurring daily, we hope to facilitate the trading volume and hence the sustainability of the coin.

A key feature of the platform is the use of Machine Learning (ML) to drive energy efficiency, performing audits on inefficiencies, calculates losses, predicts breakdowns and helps implements solutions to address these problems. GAED2 will conduct pre-implementation audit to determine human dynamics and patterns, and identify sources that require attention. It works simply by installing hardware to your electricity meter. This extension, also known as a smart meter, can measure the input from the supplier's end, to inform consumers of the source of energy. The smart meter can also measure electricity consumption of various household appliances to gauge the household's practices. All of these will be processed into intelligible information and optimization options for the consumer to adopt at a click. GAED2 will conduct post-implementation audits either monthly or yearly, depending on the type of service requested by the consumer, to monitor the consumption data and condition. Audits will mainly be done online via monitoring applications or channels, and consumers can see the improved efficiency and positive environmental impact from using this platform.

Sample Interface



The platform can detect losses and implement improvements in energy consumption that leads to potential savings ranging from 5% to 40% through switching of energy retailers / suppliers and detecting hardware being used, providing alternatives that consume electricity more efficiently.

[Every time the residential audit app/platform is 'run', with current and updated inputs of the customer, a fresh report and result will be delivered.] Commercial/ Industrial customers would still require a technician to be onsite to input information.

GAED2 targets energy efficiency drive using ML to help detect areas of loss and inefficiency. ML can predict potential breakdowns and possible costs incurred and then prescribe solutions to tackle problem areas. The platform will essentially help the various user groups to assess their energy usage and causes, offer more effective solutions, and bridge suppliers and energy retailers to consumers.

For the evaluation service, GAED2 will charge a very low, fixed fee for basic Level 1 assessment. For those that require a more detailed and elaborate assessment, you can request for the more in-depth, Level 2 assessment at an affordable rate easily ten times lower than conventional basic energy assessment and auditor out there. The GAED2 platform also takes the guesswork out of selecting which supplier and energy retailers are best to use, and gives discounts for equipment purchases with our retailers when you pay with the GAED2 coin. Additionally, the platform will let you know how you are impacting the environment with the energy savings you make when you switch with us.



Rewarding Users by Carbon Emissions

In the latest Singapore Budget 2018, finance minister Heng Swee Keat informed that Singapore's carbon tax will be \$5 per tonne of greenhouse gas emission from 2019 to 2023. After the next five years the carbon tax will be reviewed again, and the minister reveals plans to increase the rate up to three times its current value by 2030. Mr Heng also declares his intention to set aside funds in schemes like the Productivity Grant (Energy Efficiency) and the Energy Efficiency Fund to support companies, including SMEs, to improve energy efficiency. The schemes promise to grant more funds to projects with greater reduction in emissions, highly incentivizing companies to act on green energy behaviour.

GAED2 aligns itself with such efforts to decarbonise Singapore's economy. In the near future, GAED2 will pursue a license to be certified to sell carbon credit to other corporations. Given that we are able to track the reduced carbon emissions of each of our customer, we can accumulate these energy savings as carbon credits on our platform to be exchanged for currency value. The amount earned from selling carbon credits will be redistributed to all our customers based on their share of total reduced emissions. More carbon emission reduced means more earnings. Consumers will be further motivated to go green with greater economic incentives.

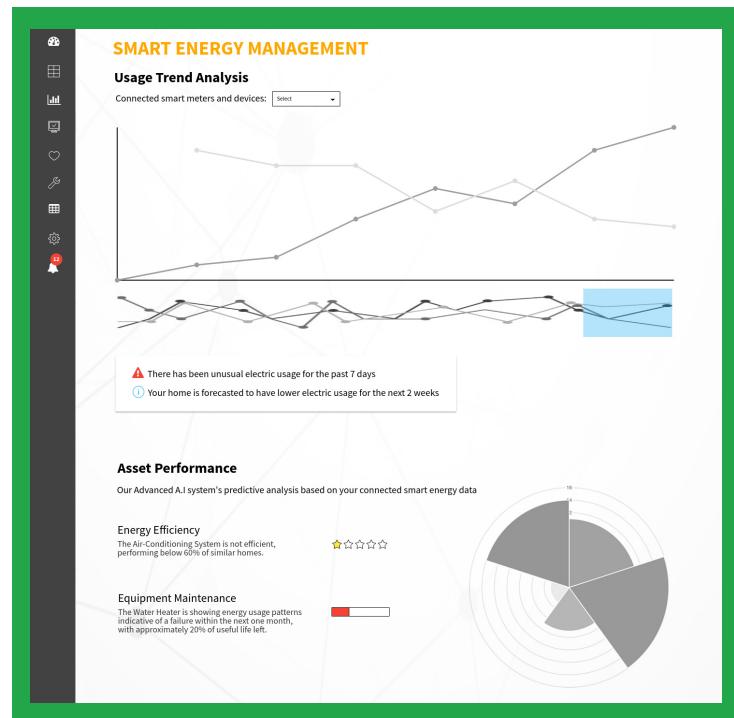


Smart Meter

Smart meters and smart sensors are pivotal to increase operational efficiency of energy consumption. Robust, low-powered sensing units that communicate with smart meters can be installed at critical equipments which consume more power. For example, a chiller normally consumes more power than LED lights and therefore more critical to acquire accurate information from. These smart sensors not only allow us to detect and monitor input and output of energy at sites of installation, we are also able to control the usage of the appliance it is attached to. We are therefore able to assess and determine the equipments to monitor and advise our client accordingly on smart home solutions useful to them.

For verticals in commercial or business, the operating philosophy of the customer is a factor to determine the installation of smart meters. For example, if we have a customer at the industrial level (i.e. factories, warehouse, refineries) with specific equipment running and shutting down at different operation timings, we are able to determine what to monitor depending on their modus operandi.

GAED2 will work towards getting smart meters integrated into smart home systems. GAED2 will boast its own smart home system, but integrate the smart meter system into its own and other systems such as Amazon Echo, Samsung SmartThings, and Google Home. Combining with a control system can immensely boost the optimization of energy expenditure especially at the residential level. There is a multitude of possibilities in terms of managing energy use with smart control devices. For example, one can monitor which appliance is in use and how much energy it is using, overall expenditure patterns, identify negative pattern/excessive consumption of energy usage.



ML Analysis

In our project, we use machine learning (ML) to predict and analyse energy consumption as well as make recommendations and suggest solutions for optimal results. We identify consumer habits and match the customer to a retailer or supplier.

Since consumers and vendors have conflicting interests, part of the appeal in using this platform is enabling consumers to conveniently switch electricity supplier as per GAED2's grid regulations.

Consumption Behavior Automation and Advisory

New age technology is all about understanding consumer behaviour and tailoring a personal experience based on existing user's consumption habits. This effort is mainly executed through automation and advisory based on information collected from sensors and equipment. Using smart home/office systems, GAED2 technology seek to understand the way appliances are being utilized and, from there, automate the appliance usage via a centralized control system that can be managed by the user.

Users can also set their preferred operation mode for their smart home systems. For those who are more environmentally conscious, once formulated, can choose the "Eco setting" for the most functional and minimal-energy-usage settings for maximum energy savings. For budget-conscious users, the system can propose and implement a setting based on the budgeted cost that the user inputs in the system. Alternatively, the system can simply customize a setting with relative efficiency prioritising the consumption habits of the user.

For all modes of operation, every setting in the system will be audited and tested against other audits across the GAED2 database to find the most effective practices and more popular preferences to continually improve the system's formulating algorithms and user recommendations.

Smart Contract

A smart contract is a digitized contract on the blockchain that eliminates the need for a middleman. In other words, when specific conditions are met, a smart contract automatically puts into effect what was written into its code, thereby simplifying the execution of agreements. Transactions are made transparent, irreversible and fast to execute.

Smart contracts will mainly be used to manage payment-related services in GAED2. These include payment settlement between consumers and suppliers, long-term user subscription to GAED2 services, energy leasing, and any fees occurring for each transaction.

Smart contracts will also be implemented in areas of security and promise. One example is the guarantee of payments through complex mechanisms such as payment in difference of power or money saved, as compared to fixed stipends. This means that for payments occurring as a fraction of consumer savings, if a consumer indeed saves more than or equal to what was promised to them in that month, then GAED2 will take _% of that savings, which will automatically be carried out by the smart contract.

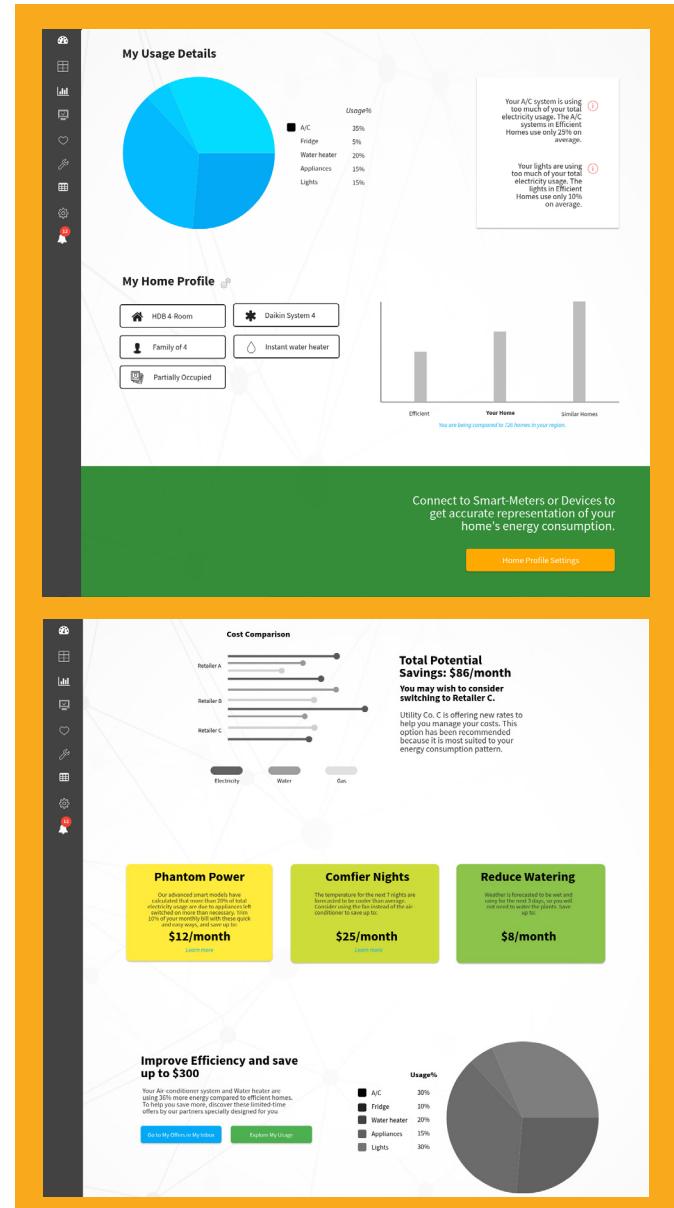
Another example is using smart contract to fact-check our supplier sources. GAED2 will administer a money-back guarantee scheme for consumers. In the case of promised savings of 20% by the supplier, if the energy savings that our system measures falls below a certain threshold (say 15%), the platform would automatically penalize the supplier and the contract ensures the consumer gets money back from the supplier. We also want to ensure accountability from our suppliers regarding electricity supply, and will fact-check to ensure consumers are getting the total electricity supply as promised by their suppliers at any one time.

Electricity Audit

Audits conducted on the GAED2 platform can be verified with a certificate issuance in the form of a smart contract, with information being captured written on the blockchain. Transparent for all to see and tamper-proof, GAED2 can be the go-to platform that government and regulatory bodies utilise to monitor electricity consumption.

The audit will follow the local and international standard requirements (i.e. BCA Green Mark, Green Star and LEED etc.) It is able to provide a comprehensive report of the area being audited and proposed solutions that are available internationally as it stores legitimate and professional approved energy retailers and suppliers in their platform thereby able to provide the best and most cost-effective solutions quickly. Every retailer and supplier will be screened before being allowed to showcase their services. The platform acts as an intermediary or regulatory to ensure customers get the best cost and highly efficient products.

The smart meter and sensor that will be installed will have a live streaming of energy parameters being monitored and analyzed. Our ML will be able to detect behaviour pattern of utility consumption thus able to recommend the most cost effective energy retailer.



Digital Twins

Digital twin is a digitized asset made through the form of data collection of sensors of an object in real world time. This technology allows companies to simulate deployment of assets from real world data collected. Widely applied in manufacturing plants, behavioral data is being captured along with output of a factory. Sensors capture and send data into the simulation for analysis and ultimately suggest actions for an intended outcome.

GAED2 intends to run its own simulation as part of a Level 3 assessment and evaluations that can, through ML and AI, identify and suggest best practices for electricity consumption. Companies can use real world data without committing to purchases to get better estimates to real world results. This means greater accuracy compared to theoretical assumptions which does not take into account environmental or secondary factors that might have significant impact on results.

GAED2 Platform

To simplify the process of going green(er), GAED2 will propose suggestions to customers on energy-efficient equipment, more suitable energy retailers and/or alternative energy solutions to tap into, depending on the users' lifestyle habits and preferences.

Users are profiled on the platform with different user profiles for different purposes and usage patterns. Customer profiles are created and assigned once the ML analyses the data retrieved from the smart meter and through collective learning accumulated from analysing other use cases and solutions implemented. The ML will perform the necessary corrections it can achieve on its end as well as suggest to users how to proceed with improving their energy efficiency. It will perform a cost-benefit assessment to measure the potential savings, efficiency improvements and impact on the environment. This is done to ensure that post-optimisation outputs are in reality positive and not just hypothetical as some other products would claim. The system will record real-world data and, averaging out the values collected across all systems to set a real-world benchmark, use this data to compare against what was claimed by the manufacturers.

With all the consumption data logged from the smart meters, GAED2 platform will build a comprehensive database of brands, models, retailers and suppliers of solutions available to its users. Recommendations are pushed to users, and they are able to directly purchase from recommended suppliers on the platform. GAED2 will also work at making available an independent moderated platform for users to rate supplier's solutions to bolster credibility in supplier choices.

Discounts and rewards will be offered to users who are verified by the ML system to have adopted our recommended solutions. We also foresee, over the long term, building a comprehensive, one-stop marketplace to link customers with the newest technologies, best supplier solutions around the world and the local energy retailers.

Pricing

The GAED2 platform will operate on a subscription model, with different pricing tiers for consumers and commercial users depending on usage.

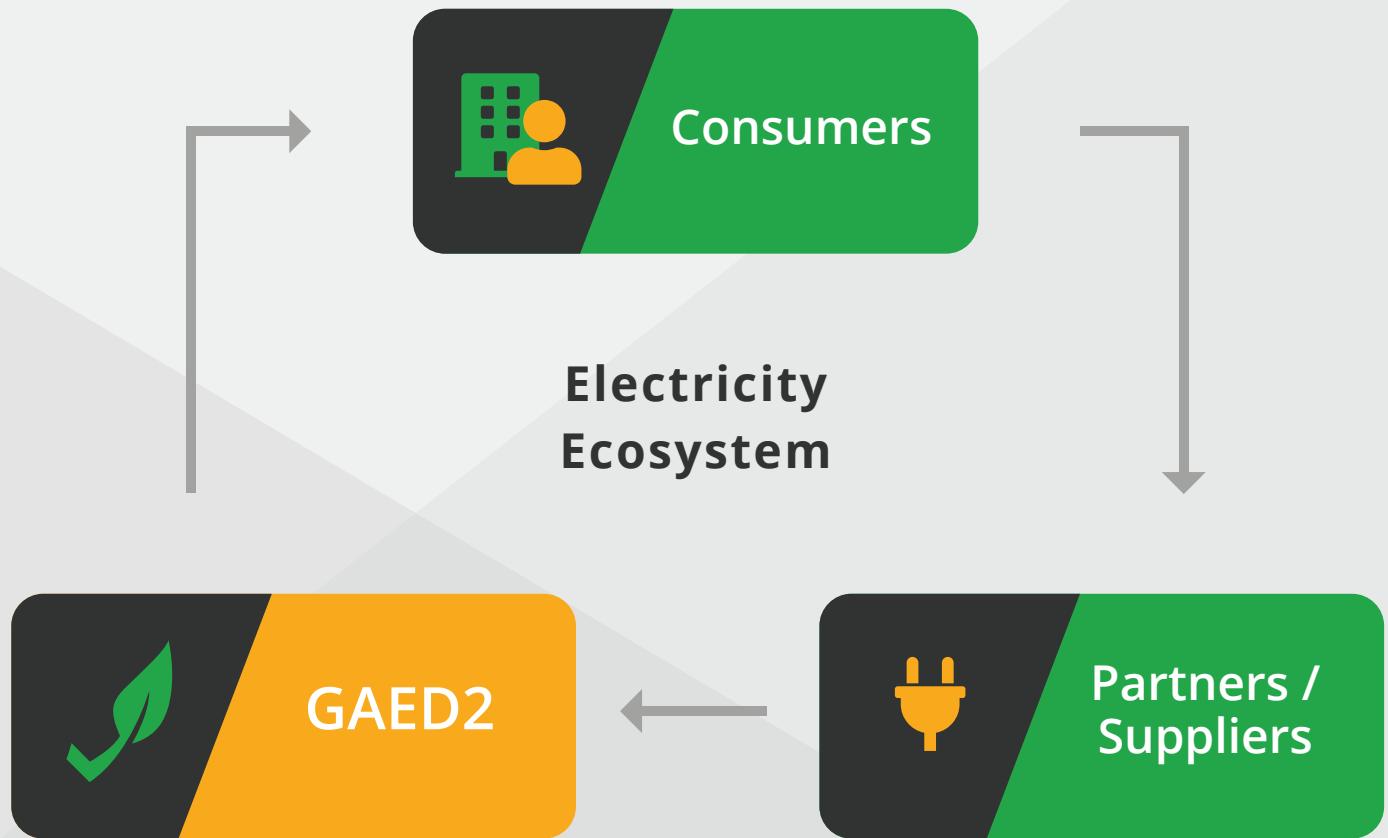
Assessment service occurs at two levels. The most basic GAED2 assessment, at Level 1, is provided at a low, one-time flat rate to encourage onboarding by non-users. A more thorough Level 2 assessment, which involves a detailed and physical analysis, will cost residential-level customers approximately \$100-500, and for commercial-level and above at \$1,000 onwards. This includes implementation of our sensors and smart meter into your facilities. These fees are at least ten times cheaper than what customers are getting in the current market, and we are confident in terms of delivering the same if not better quality service in helping the client reduce electricity consumption. These costs you spend to go greener with us will definitely be a worthwhile investment that reaps even greater savings.

When customers opt to implement and subscribe to our other equipment solutions, we will only charge them a small percentage of the savings made from using our services. Token users will be given a percentage discount if they pay for GAED2 services in tokens.

GAED2 also offers options to either pay in savings (as explained earlier) or in the form of energy leasing. The latter works similar to an installation payment process, where the customer does not have to pay the upfront cost of equipment and installation if it is too high for them. Instead, he or she can pay a fixed monthly amount for the electricity the equipment generate, which is easy and affordable.

GAED2 is based on a combination of the SaaS freemium business model and tiered pricing model. The platform has usage-based payment tiers designed for specific needs and budget of different types of potential customers, varying according to sector-types and how wide-ranging the services required are. Additional services include allowing different groups of customers to access data and ML segments relevant to their intended use.

- ✓ Suggests preliminary suggested solutions based on the data input, based on a vast database of knowledge & comprehensive systems settings (systems ML) & suggests next step to proceed.
- ✓ Based on the data input, provides an indicative assessment of your impact on savings and to the environment
- ✓ Reasonable subscription rates for commercial users and up.
- ✓ Reasonable subscription rates for commercial suppliers.
- ✓ Provides discounts & rewards to users for solutions adopted verified by ML Systems
- ✓ Provides an independent moderated platform for users to rate supplier's solutions.
- ✓ Over the long term, provide a comprehensive, one-stop shop to link customers with the best supplier solutions around the world and the local energy retailer.
- ✓ Over the long term, comprehensive database of solution choices (comprising brands & models, based on recommendations by the parties concerned; the energy retailers, suppliers and users.



Enterprises and Consumers



In some countries, like Malaysia, Germany and Singapore, all large enterprises are required to carry out an energy audit and repeat it every couple of years. The aim of the periodic energy audit is to ensure the building systems that consume a bulk of electricity like cooling systems continues to operate efficiently throughout its lifespan, allowing building owners to continuously reap the energy saving benefits.

Through the platform, we allow consumers to access these audit services that traditionally was only made available to businesses. Enterprise customers and consumers can use the tokens to purchase products, GAED2 services and subscription, pay electricity retailers and suppliers with GAED2 Tokens.



Suppliers

Suppliers can also opt to receive GAED2 tokens instead of fiat, of which they will enjoy a lower transaction fee. They can get guarantee of payment if they choose to lock in their customers with a smart contract with no possibility of a default, allowing them to operate their business without accounting for defaulting customers, manually initiating stoppage of services or handle customer accounts in person.

Suppliers include electricity retailers or suppliers, manufacturers who sell their products on the GAED2 platform.



GAED2

GAED2 will operate as an intermediary between the consumers or enterprises and the suppliers. Helping to perform payment settlement and fulfillment, GAED2 takes a percentage of all transactions that occur on the platform. Suppliers can also opt to receive GAED2 tokens instead of fiat, of which they will enjoy a lower transaction fee.

Smart contracts will be available on the platform, suppliers can opt to use smart contracts with features that reduces the need of human intervention will be charged a nominal fee in GAED2 tokens for each smart contract.



Token Sale

Token	GAED2 Tokens (GAED2)
Total Supply	560,000,000 GAED2
Tokens for Sale	448,000,000 GAED2 (80%)
Reserved Tokens	112,000,000 GAED2 (20%)
Token Price	USD \$0.05
Hard Cap	USD \$20,853,000
Currencies Accepted	USD, ETH
Min. Purchase	TBC
Pre-sale Date	TBC
Pre-sale Bonus	5%? TBC
Public Sale Date	TBC



The GAED2 Token Sale will be conducted on the Ethereum blockchain. It will be built on the ERC20 Token standard, users will be able to store their GAED2 Tokens on an Ethereum wallet such as MyEtherWallet.

The team will be allocated 20% of all GAED2 Tokens generated at the end of the token sale, a maximum of 112,000,000 GAED2 Tokens if the hard cap is reached. GAED2 Tokens will not be minable, and no future tokens will be issued after the token sale. All unsold tokens will be burnt at the end of the token sale.

Participation in the public sale shall be limited to natural persons, whose wallets will be cleared pursuant to Know-Your-Customer (KYC) checks. KYC checks include proof of identity and residency.



Partners



Enercon Asia – Singapore



Zaffra Solar – Singapore



PG Controls – Bangladesh



Diamond Energy - Singapore



Roadmap

Growth in electricity (ala energy) needs, is largest critical in South Asia & China, followed by SE Asia & Middle East, in the next 20 years. Makes sense to establish the CoE in Singapore, grow South Asia, and ME & SE Asia



Year 1: 1st Quarter

- ✓ Introduce the Platform in Singapore as an AI Energy Audit app
- ✓ Establish Data Centre (DC) in Singapore. Build the infrastructure.
- ✓ Hire two or three senior engineers to oversee the establishment of a robust DC



Year 1: 2nd Quarter

- ✓ Continue with Data Centre establishment
- ✓ Add Data collection and analytics feature



Year 1: 3rd Quarter

- ✓ Hire & train two or three dedicated sales engineer/auditors
- ✓ Secure suppliers for the platform
- ✓ Look out for Partnership opportunities



Year 1: 4th Quarter

- ✓ Improve the platform
- ✓ Improve operation readiness of DC & platform



Year 2: 1st Quarter

- ✓ Establish the platform for use in Malaysia, Bangladesh & Pakistan
- ✓ Hire & train two engineers/auditors for Bangladesh & Pakistan



Year 2: 2nd Quarter

- ✓ Improve the platform for use in Malaysia, Bangladesh & Pakistan
- ✓ Introduce the Retailers and automated recommendations feature
- ✓ Secure suppliers for the platform in Malaysia, Bangladesh & Pakistan
- ✓ Look out for Partnership opportunities

Year 2: 3rd Quarter

- ✓ Improve product and UI/UX
- ✓ Establish the platform for use in Middle East (Riyadh & Dubai/Abu Dhabi)
- ✓ Hire & train three or four engineers/auditors for Middle East

Year 2: 4th Quarter

- ✓ Secure suppliers for the platform in Middle East
- ✓ Improve the platform for Middle East region
- ✓ Look out for Partnership opportunities

Year 3: 1st Quarter

- ✓ Introduce the Platform as a One stop shop (Ali Baba/Google) of Energy supplier, services, advisory mecca.
- ✓ Introduce e-Wallet

Year 3: 2nd Quarter

- ✓ Establish the platform for Global market
- ✓ Hire & train four to six engineers/auditors

Year 3: 3rd Quarter

- ✓ Secure suppliers for the platform worldwide
- ✓ Look out for Partnership opportunities

Year 3: 4th Quarter

- ✓ Establish a new Data Centre to cater for the global market
- ✓ Improve platform UI/UX

 Team

Azhar Othman
CEO/Founder



Roland Lim
COO/Co-Founder



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Energy Efficiency Specialist



Larry Tangel
CEO Enercon USA



Nizam Ismail
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Azmoon Ahmad
Nominated Member of
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Dallon Kay
Energy Advisor



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Imran Zafar
Board of Engineers
(Pakistan)



Phoebe Pyone Myat
Board of Engineers
(Myanmar)



Lim Mun Hey
Board of Engineers
(Operations Singapore)



Glen Mallari
Board of Engineers
(Technical Singapore)



Furqan Shamsudin
Solar PV Advisor
(Singapore)

ADVISORY

Heading

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