



EFFORCE

energy efficiency. reinvented

WHITE PAPER

©EFFORCE - All rights reserved - efforce.io



Important considerations

Important:

This document is confidential and by accepting delivery of this document, you agree to keep confidential all information contained herein. The document is a marketing document and is not intended to be legally binding. Nothing in this document shall be deemed to constitute a prospectus of any sort or a solicitation for investment, nor does it in any way pertain to an offering or a solicitation of an offer to buy any securities in any jurisdiction. The information in this document does not constitute a recommendation by any person to purchase EFFORCE tokens or any other cryptographic token or currency and neither the Issuer (EFFORCE Limited) has authorized any person to make any such recommendation.

Restricted Persons.

The sale of EFFORCE tokens is not directed at, and each purchaser of EFFORCE tokens will be required to represent, among other things, that they are not: (a) a citizen, resident (tax or otherwise) of, a person located or domiciled in, or any entity organized in or owned by certain persons in (i) the United States (including any U.S. Person pursuant to the U.S. Securities Act of 1933 (as amended)), (ii) Canada, (iii) any jurisdiction listed by the Financial Action Task Force as high-risk or with strategic deficiencies; (iv) Cuba, Democratic People's Republic of Korea (North Korea), Iran, Pakistan, Syria, the Government of Venezuela or Crimea or (v) any jurisdiction for or in which the sale of EFFORCE tokens, or any offer or solicitation in respect of EFFORCE tokens, would require registration or licensing not obtained by the Issuer or otherwise would be unlawful or which restricts or licenses the activities of the kind that can be accessed or used with EFFORCE tokens; or (b) a person under the age of 18 years (any such person falling under (a) and (b) a "Restricted Person"). In addition, each purchaser of EFFORCE tokens will be required to represent that such purchaser is outside of the United States at the time of agreeing to purchase the tokens, was outside of the United States at the time any offers to sell or any offers to buy the token were reviewed, and will be outside of the United States at any time that such purchaser performs its obligations under the Token Purchase Agreement. Consequently, you must make your own assessment as to your ability to purchase EFFORCE tokens pursuant to laws applicable to you and to confirm that you are not a Restricted Person. No registration or other action has been or will be taken in any jurisdiction that would, or is intended to, permit the sale of EFFORCE tokens in any country or jurisdiction where registration or other action for that purpose is required. None of the Issuer or any of their respective agents or representatives, is making any representation to any potential purchase of EFFORCE tokens as to the legality of a purchase of EFFORCE tokens by such purchaser under the laws applicable to such purchaser.



Purchaser Sophistication.

EFFORCE tokens are speculative and involve a high degree of risk and uncertainty. The sale of EFORCE tokens is aimed solely at persons who have sufficient knowledge and understanding of blockchain and cryptographic tokens and other digital assets, smart contracts, storage mechanisms (such as digital or token wallets) blockchain-based software systems and blockchain or distributed ledger technology, to be able to evaluate the risks and merits of a purchase of EFORCE tokens and are able to bear the risks thereof, including loss of all amounts paid and loss of EFORCE tokens purchased. Potential purchasers must further make their own independent assessment, after making such investigations as they consider necessary, of the merits of, and their suitability for, purchasing any EFORCE tokens and should consult their accounting, legal and tax representatives and advisers in order to evaluate the economic, legal and tax consequences of purchasing EFORCE tokens.

Forward-Looking Statements.

Certain statements contained in this document may constitute forward-looking statements or speak to future events or plans. Such forward-looking statements or information involve known and unknown risks and uncertainties, which may cause actual events to differ materially. No reliance should be placed on any such forward-looking statements or information.

Private Presentation.

This White Paper is being delivered only to selected persons, and not through any general solicitation or general advertising. You may not, nor are you authorised to, deliver or disclose the contents of this document to any other person. No person is authorized to provide any information or to make any representation not contained in this White Paper or in the Token Purchase Agreement. No person or entity other than the Issuer is authorized to sell, resell, or distribute the EFORCE tokens on behalf of the Issuer or any of its affiliates.

Purchasers of EFORCE tokens, or any interest therein, from any person or entity other than the Issuer are not entitled to rely upon this White Paper or the Token Purchase Agreement.

Risk Factors.

Purchasing the EFORCE tokens entails risks and purchasers could lose their entire purchase amount. Certain risks are described in the Token Purchase Agreement



Table of contents

Abstract	05
1. Introduction	10
1.1 Energy Efficiency	10
1.2 The E.S.CO. Model and EPC	14
2. EFFORCE	17
2.1 The Problem of Energy Efficiency	17
2.2 Vision: EFFORCE	18
3. Business Model	20
3.1 Energy Saving Tokenization	20
3.2 The Role of the Blockchain and the Energy Performance Smart Contract	21
3.3 Contributor, Saver & Consumer	24
3.4 Using the Energy Performance Smart Contract	25
3.5 Using Token for Energy Efficiency	27
3.6 Business Case	28
4. Token Sale	31
4.1 Token Function	34
4.2 Token Distribution	37
5. Team	38
6. Road Map	45
6.1 First Steps	45
6.2 Teen Age	52
6.3 Growth Age	53



“True innovation is one that improves people’s lives”

Steve Wozniak

Apple Co-Founder
EFFFORCE Co-Founder



**8 years of experience
in energy efficiency.
We helped more than
2000 clients save more than
\$700 million in energy costs.**

AitherCO2 is an Energy Service Company with offices in
Milan, London, Dakar and San Francisco.

\$ 700M
Saved

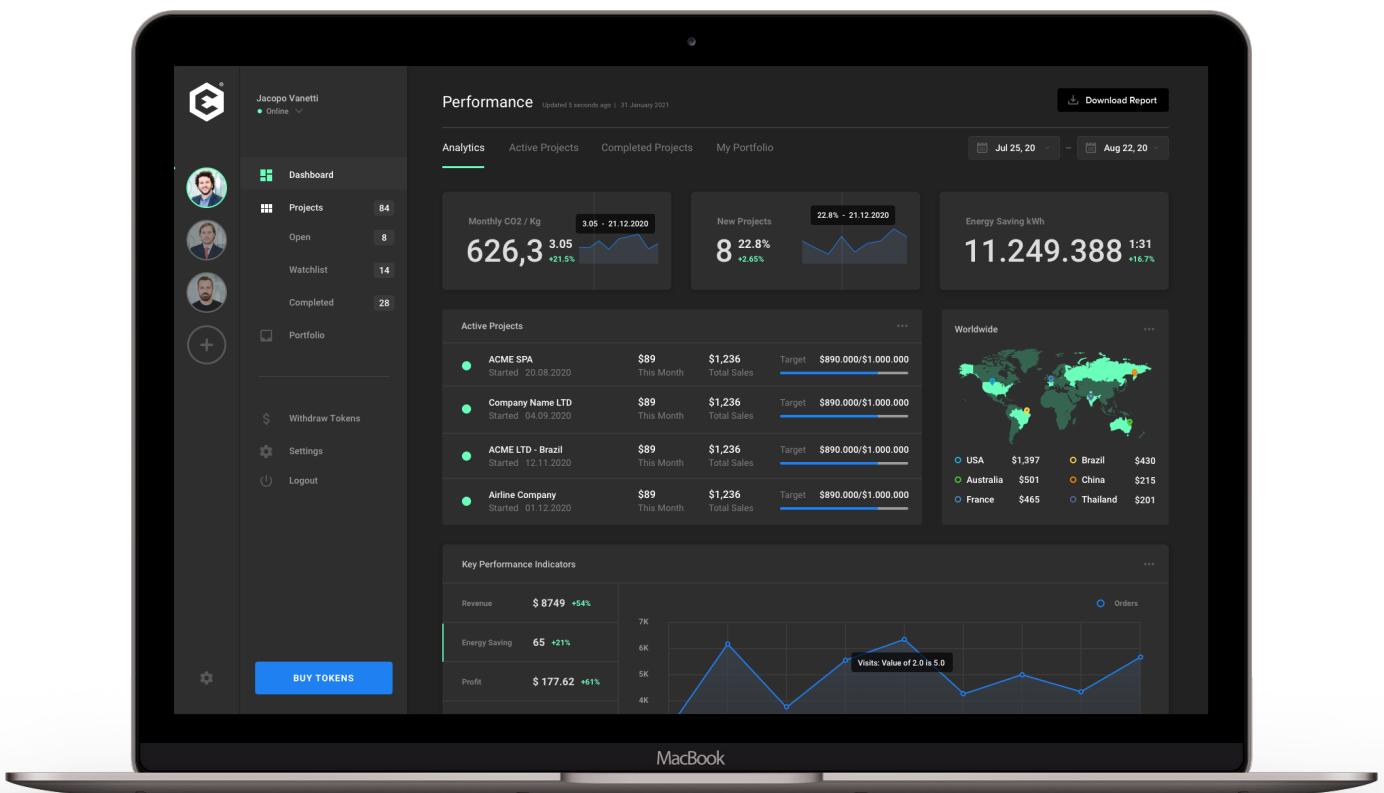
2000
Clients



Abstract

EFFORCE is a blockchain-based energy saving trading platform.

The platform brings together those who want to improve the energy efficiency of their buildings or industrial processes with a pool of contributors interested in being repaid in tokens representing the energy savings achieved thanks to efficiency improvement projects.





The Energy Efficiency market is a complex financial system.

Thanks to EFFORCE this market will become easily accessible to everyone for the first time.

The linking between the financing partners and those in need of investments to improve the energy efficiency of their structures is made possible by Energy Service Companies (E.S.Co).

Through Energy Performance Contracts (EPC), these structured companies are able to generate returns on initial investments: energy efficiency translates into savings in bills for the beneficiaries.

The EFFORCE platform solves the three main problems of the energy efficiency market: the difficulty of putting contributors and Savers in contact, the size of the investments required and the type of financial return.

Through EFFORCE, energy saving financed by the contributor (Contributor) is tokenized and used or sold to energy-intensive consumers (Consumers), who can thus stop paying their bills, forever!

“

The first Blockchain platform that allows you to participate and benefit from worldwide energy efficiency projects.



In the last 10 years, the energy efficiency market has reached a value of \$241 billion, with growth of 10% per annum.

According to a study published by the International Energy Agency (IEA), investments in energy efficiency increased by 9% in 2017.

This growth rate remained constant and in the same year the energy efficiency market reached a record value of USD 241 billion.

**\$ 241
Billion**

+10%
Per annum



1. Introduction

1.1 Energy efficiency

In energy engineering, the term energy efficiency indicates the ability of a physical system to obtain a given result using less energy than other so-called “lower efficiency” systems, generally increasing the yield and thus allowing energy savings and a reduction in operating costs.

More than 68% of the energy used in the world is NOT covered by an efficient energy standard and the system within which it is used could be made more efficient. Just consider that most of the growth in the demand for energy coming from the cooling of habitable environments takes place in those parts of the world where there is no regulation to support the energy saving process.

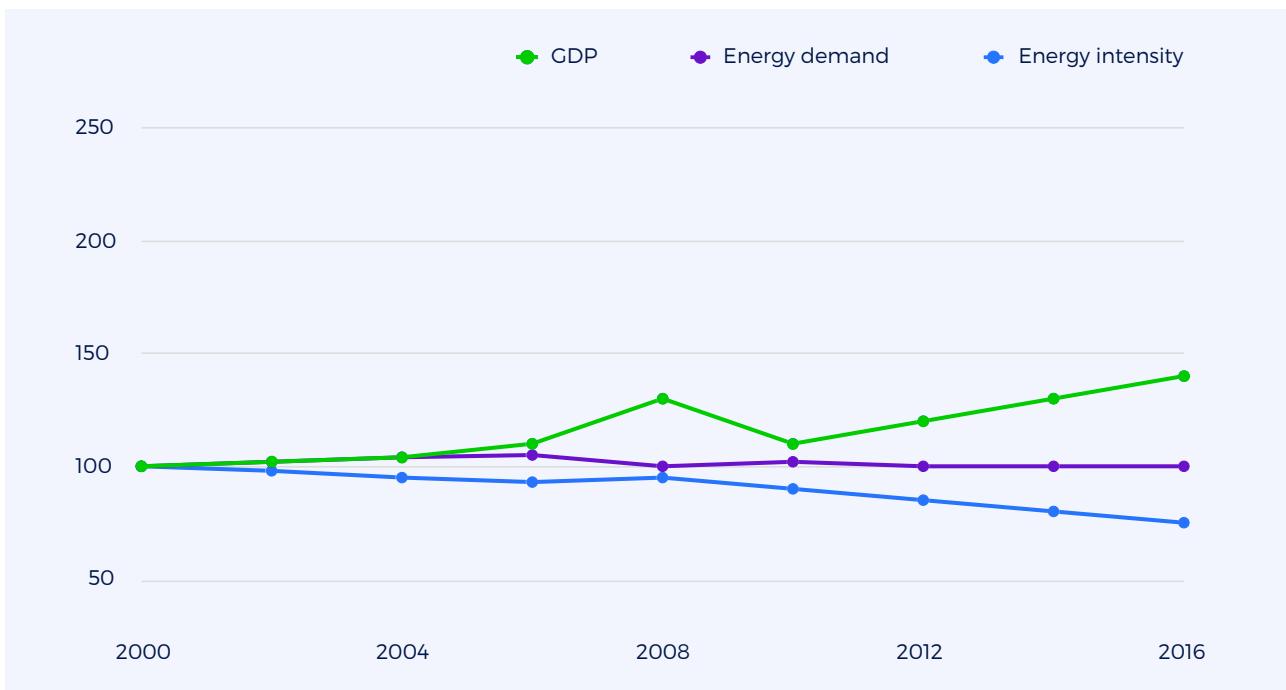
Technological innovation is creating new opportunities for progress in terms of efficiency. Digitization is profoundly changing the energy sector, just as innovation begins to have a significant impact on energy efficiency.

In 2016, the world continued to generate more and more value from its energy consumption. In the same year, the global Energy Intensity, i.e. the amount of primary energy demand needed to produce a unit of gross domestic product (GDP) generated, decreased by 1.8%, resulting in a so-called “energy bonus” of USD 2.2 trillion. This is twice the entire Australian economy.

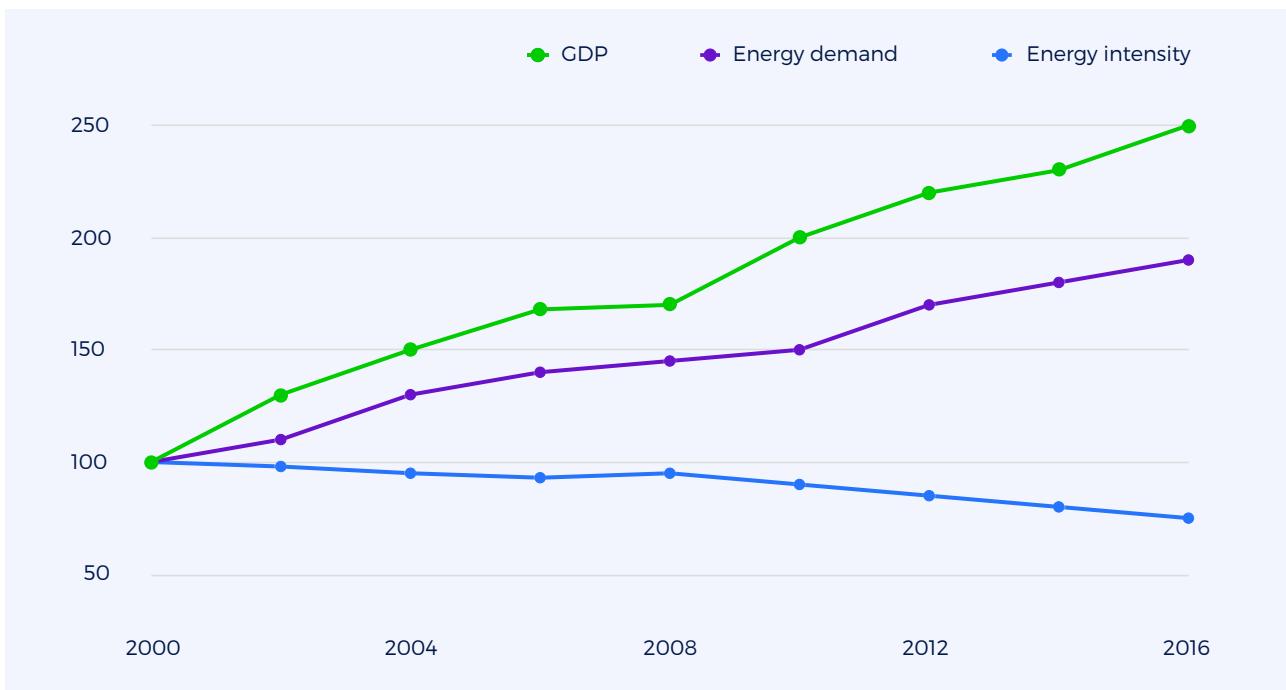




OECD



Non OECD

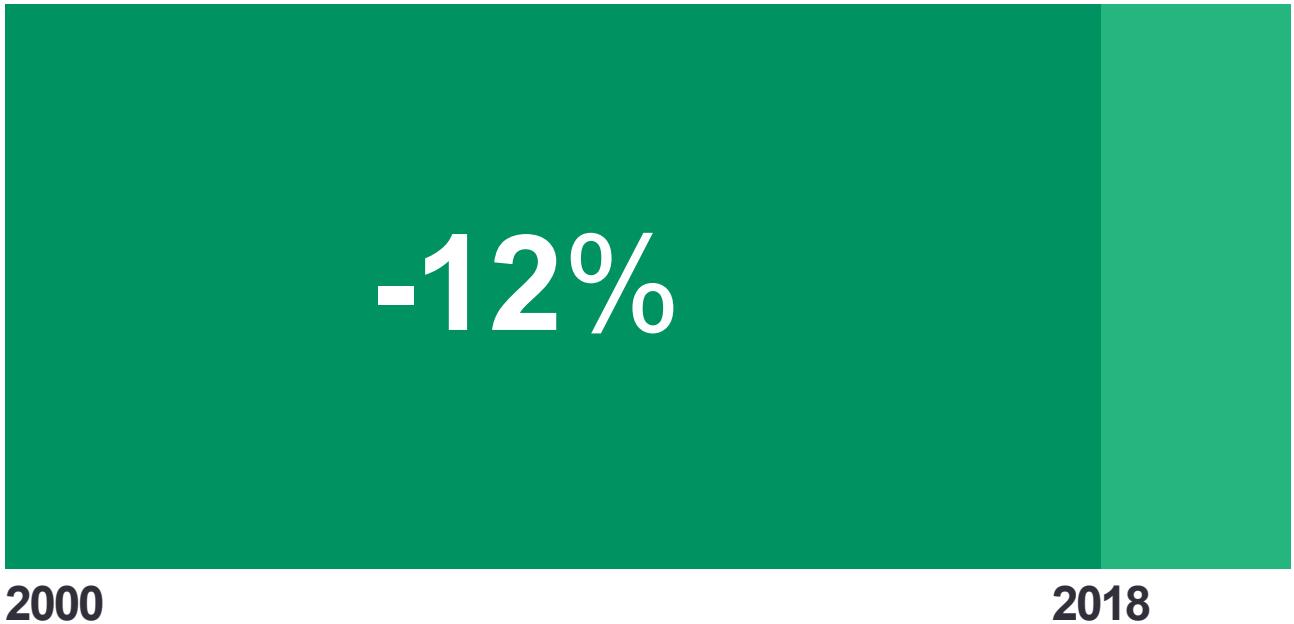


Sources: Adapted from IEA (2016a) World Energy Outlook 2016; and IEA (2017a), World Energy Statistics and Balances 2017 (database), www.iea.org/statistics.



The energy efficiency system is deeply changing the way we consume energy.

Consider that from 2000 to date, the world would have consumed 12% more energy without energy efficiency. A figure that equates to turning off Europe for a year.



Not only that: in addition to environmental benefits, improving energy efficiency also leads to increased security. In fact, many countries have avoided additional expenses and risks related to energy imports.



Thanks to the energy efficiency achieved:

From 2000 to 2016, Japan imported 20% less oil and 23% less natural gas than it would have done in the same period without energy efficiency interventions.

Germany and the United Kingdom, which correspond to the largest gas markets in Europe, have achieved a reduction in imports of natural gas from Russia equal to 30% of the European total.

Short-term energy security has improved, as energy efficiency has reduced the daily gas demand peak. This means that imports have not been reduced on an annual basis, but in the periods of greatest demand.

Japan

-20%
oil

-23%
natural gas

Germany and
the United
Kingdom

-30%
natural gas



1.2 The E.S.Co model and the EPC

EFFORCE is a blockchain-based energy saving trading platform.

The platform brings together those who want to improve the energy efficiency of their buildings or industrial processes with a pool of contributors interested in being repaid in tokens representing the energy savings achieved.

This method of implementing the energy efficiency market for the first time makes a particularly complex energy-financial system simple and accessible.

Thanks to **EFFORCE** any economic entity that wishes to implement solutions on its energy systems, be they industrial processes or buildings, will be able to negotiate part of its energy savings directly with Consumers or Contributors. Through the tokenization of the energy saved, it will be possible to guarantee liquidity and extend access to capital investment.

To optimize the cycle of financing and access to capital, **EFFORCE** allows the tokenization of energy savings.

It represents a contractual mechanism between companies that want to improve the efficiency of their processes and energy consumers. The proposed model is the same as that of **Energy Service Companies (E.S.Co)** which, through **Energy Performance Contracts (EPC)**, manage to obtain positive economic returns against an initial investment in energy efficiency projects.

This contractual form makes it possible to channel financial investments into projects for the redevelopment and performance improvement of an energy system, be it an industrial plant or a building, owned by a third party (**Beneficiary**).

The value of energy savings deriving from the intervention is shared between the **E.s.Co**, which made the investment and implemented the redevelopment process, and the Beneficiary. The **E.s.Co** uses its own energy saving quota to make a return on the investment, while the Beneficiary sees its energy expenses decrease.

Energy Performance Contracts allow the savings deriving from lower energy consumption to be divided between the party that improved the performance of the efficiency- improved energy system (**the E.s.Co**) and the party benefitting from the energy efficiency intervention (**the Beneficiary**).



The way it works is extremely linear from a financial point of view, but decidedly more complex from a technical-implementation point of view:

1

Before carrying out an energy efficiency project, **any entity that owns an energy system pays its bill** to a private or state-owned supplier of electricity and gas.

2

The E.S.Co evaluates the energy systems owned by the **Beneficiary** and implements them, in order to invest its financial resources in redevelopment interventions or energy efficiency improvement of plants or buildings.

3

For the entire duration of the contract, **the Beneficiary pays a part of the energy savings generated to the E.s.Co**. This gives a return on the initial investment.



4

At the end of the contract, the **Beneficiary can take full advantage** of the savings and the technology installed.

5

The financial investment is fully borne by the **E.S.Co**. The Beneficiary obtains an immediate guaranteed reduction of energy costs and, at the end of the contract, benefits from a new and already installed efficiency improvement intervention.

The greater the energy savings obtained by the Beneficiary, the greater the returns for the Esco and the Contributors, since the savings generated are the actual financial performance of the initial investment.

**Therefore, the goal is common:
using and managing the plant in the best way
possible to maximize its advantages.**



2. EFFORCE

2.1 The problem of energy efficiency

If one thinks of the constant increase in the demand for energy, the construction of power plants and chimneys often comes to mind. Many do not consider that it is much cheaper and more ecological, on the other hand, to reduce energy consumption.

Unfortunately, however, access to the energy efficiency market is hampered by a number of factors, including:

- The high initial costs. Accessing a complex energy efficiency system requires a minimum investment of 200,000 euros.
- The need for technical knowledge of the functioning of energy systems and smart meters to monitor the energy savings achieved.
- The lack of trust and a meeting place between those who need to implement the investment to improve the energy efficiency of their structure and those who actually want to invest in order to obtain alternative returns.
- The inability of one of the parties to evaluate in a technical manner the actual savings achievable thanks to the efficiency improvement intervention.
- The limited technical knowledge of the sector on the part of financial institutions, which are not able to calculate the returns on the investments made. Moreover, the E.S.Cos do not have access to the capital channel as a financial institution.
- Uncertainty on the pay-back period of the investment.

Addressing these problems is necessary, also in view of reaching the economic development defined by the World Bank, which aims to guarantee access to sustainable, reliable, and modern energy for all. One of the salient points of this development will be to double the overall rate of energy efficiency improvement by 2030.



2.2 Vision: EFFORCE

EFFORCE is the first blockchain-based platform that connects the demand and supply of energy efficiency investments.

Through EFFORCE, anyone wishing to attract investments to make energy improvements to their buildings or industrial processes can easily do so by registering their request on the platform.

The EFFORCE team will validate the request and develop, together with the company, the energy efficiency improvement project, evaluating the necessary investment, the annual internal rate of return (IRR) and thus concluding an Energy Performance Contract (EPC).

For example, for the energy redevelopment of an industrial shed, it may be necessary to:

- Replace the lighting system.
- Insulate the walls and roof.
- Improve the heating and cooling system to make it suitable for the needs of the building, exploiting and recovering as much as possible the heat cycle generated by the production process itself, through heat recovery.

An intervention of this magnitude could lead to an IRR of 38% on the investment for the 7-year duration of the EPC contract.

It may be that the company does not have the technical knowledge to implement these solutions, or that it does not want to access the banking channel in order not to increase its debt exposure towards banks. Or the company may even want to share its renovation intentions with its customers, involving them in the corporate image improvement project.

To overcome these problems, the company can use EFFORCE to look for the necessary crowdfunding to proceed with the energy redevelopment projects, in exchange for sharing the savings generated.



All those wishing to invest in energy efficiency projects through a secure and decentralized blockchain-based system will also have access to EFFORCE.

The role of the blockchain is fundamental, since it guarantees the integrity and uniqueness of the energy saving data obtained. The data that each smart meter will transmit will be validated and certified by the blockchain, so as to be able to unequivocally guarantee the savings obtained at a certain point in time and, therefore, the quantity of KWh saved which will be loaded on the user profile of the contributor (the so-called "Contributor").

The energy savings of each contributor will be tokenized and can be used both to offset energy consumption and to be traded.



EFFORCE will allow each Contributor to be an active part of an E.S.Co that works with qualified counterparties, in order to obtain energy savings to be sold or used to reduce the costs of their energy bill.



3. Business Model

3.1 Energy Saving Tokenization

The main objective of any economic entity interested in improving the energy efficiency of its systems, be their industrial processes or buildings, is to optimize its cash flows.

EFFORCE allows such entities to rapidly be connected with those who are interested in purchasing the energy savings resulting from the implementation of such projects, without the use of equity. Through the tokenization of the energy saved, a liquid and transparent market is created, guaranteed by the blockchain and accessible to all.

To optimize the cycle of financing and access to capital, EFFORCE tokenizes energy savings. Tokenizing energy savings represents a contractual mechanism between companies that want to improve the efficiency of their processes and the community.

The innovative tokenization model has been clarified by the European regulator. It is structured as a reward-based crowdfunding, where Contributors are rewarded with free energy savings that they can keep, sell or use to offset their energy consumption.

The EFFORCE platform was built to change the way energy savings are generated and redistributed globally. After years of experience in the energy efficiency market, the EFFORCE team was able to identify its limits.

First, the enormous waste of energy due to the lack of an efficient system. Just consider that the energy demand for cooling habitable environments is greater in those parts of the world that lack regulation to support energy efficiency processes.

The second problem is the difficulty in bringing together capital and the energy saving sector. The high number of intermediaries and parties involved even only partially in the efficiency process is the cause of the increase in implementation costs, pay-back periods and even delays in the physical execution of projects.



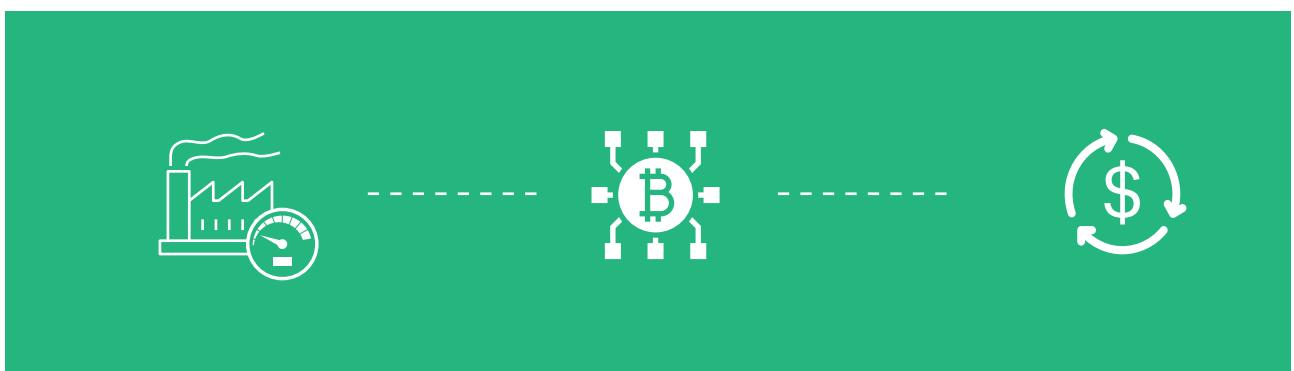
3.2 The role of the blockchain and the Energy Performance Smart Contract

Through EFFORCE, energy end Consumers can participate in tokenized energy savings.

Thanks to the control system and data certification guaranteed by the blockchain, EFFORCE has created the first Energy Performance Smart Contract.

Each EFFORCE token holder will be granted with the access with priority to the energy savings projects that will be listed in the platform, contributing to the spreading of energy efficiency on a global scale. Each project will have a wallet in which the amount of KWh saved from that project will be accrued. In this way each token will accumulate the KWh of energy saving achieved.

These savings derive from the efficiency improvement projects with high financial returns carried out by reliable industrial and commercial partners.



Through a global network of connections, the data indicating the energy savings is recorded and guaranteed by control units, such as smart meters, already widely used for calculating the energy efficiency achieved.

This is a way of tracking both the work carried out and the result obtained in an unequivocal and timely manner.



The transparency and reliability of the blockchain, in addition to clarifying a system currently characterized by information asymmetry, involves the community, involving it in the efforts and results related to the various efficiency improvement projects financed.

An Energy Performance Smart Contract guarantees the savings obtained over a certain period of time of a specific energy efficiency project.

The energy savings generated become a tangible asset in the hands of token holders, who may decide to sell them or use them to reduce their electricity bills. Furthermore, 1% of the energy savings obtained in this way and certified by the Energy Performance Smart Contract are donated and distributed among all EFFORCE Contributors, thus increasing the value of their tokens also at a nominal level.



**In other words, through EFFORCE,
the energy savings of a third party are
tokenized and can be used by everyone.**



Efforce securitizes energy savings.

This is the innovation that can revolutionize the energy efficiency market.





3.3 Contributor, Saver and Consumer

There are 3 players involved in the EFFORCE platform: Contributor, Saver and Consumer.

The Contributors are those who access the auction mechanism through the EFFORCE platform to purchase the future savings generated by efficiency improvement projects and guaranteed by smart contracts. The tokens held will give priority to the investment.

The Savers are the owners of industries, transport systems, buildings and other energy systems that benefit from efficiency improvement projects and use part of the energy savings obtained to their advantage, thus reducing the need to purchase energy.

The Consumers are those who want to buy the energy savings generated by third parties to offset and ultimately eliminate their electricity bills.

Furthermore, at least 1% of all energy savings obtained are donated and redistributed among all EFFORCE token holders forever!

This allows energy savings (and not energy) to circulate among the Savers and the Consumers.



3.4 Using the Energy Performance Smart Contract

All holders of EFFORCE tokens will be able to take part in the efficiency improvement projects in which they invest through the subscription of Energy Performance Smart Contracts, which represent the saving of 1 KWh of energy saved at a given future time.

Through smart contracts, certified savings allow Contributors to hold tokens representing the savings generated. In this way, the company is able to sell the energy savings that can be obtained in advance, thus financing the implementation of the efficiency improvement on its production plant or on its residential building.

Each energy efficiency project proposed by Savers must contain the following information:

- 1 The costs
- 2 The percentage of savings shared with Contributors through the Energy Performance Smart Contract
- 3 The duration of the Energy Performance Smart Contract
- 4 The amount of savings generated
- 5 The duration of the auction period
- 6 The intrinsic return of the operation



In this way, each Saver in possession of EFFORCE tokens can participate in these auctions to invest in Energy Performance Smart Contracts and thus accumulate the savings obtained.

Furthermore, at least 1% of all energy savings obtained are donated and redistributed among all EFFORCE token holders forever!

The Contributors will have the right to access the auctions to support innovative energy efficiency projects, obtaining in return the energy savings generated. They can also decide whether to use them to reduce their consumption, or to sell them to Consumers, who will have significant interest in buying the savings of others, rather than paying their energy costs. The order of access to new efficiency improvement projects and the consequent collection of the related energy savings depend on the number of tokens held by the Contributor.



Furthermore, at least 1% of all energy savings obtained are donated and redistributed among all EFFORCE token holders forever!



3.5 Using Token for Energy Efficiency

Each token represents an Energy Performance Smart Contract, which guarantees the savings obtained over a certain period of time, thanks to a specific energy efficiency project.

The energy savings generated become a tangible asset held by token holders, who may decide to sell them or use them to reduce their electricity bills.

Tokens representing energy savings can therefore be used to reduce their energy costs.

Through the wallet, the energy savings obtained over time can be kept and spent to reduce their bill whenever the price of electricity is such as to be convenient for offsetting.

Moreover, all Consumers can purchase energy savings to offset their energy costs. In fact, it will be increasingly viable to improve the energy process of an inefficient system and to enjoy part of the savings obtained, rather than paying the high energy costs.



3.6 Business Case

AitherCO2 funded the intervention concerning the installation of blended winglets on twenty aircrafts of the fleet of an Italian charter operator with an EPC.

Blended winglets are wingtip extensions that improve the performance of the aircraft by reducing induced drag and consequently reducing fuel consumption. The induced drag decreases as the speed of the aircraft increases, since it is the result of the shape of the advancing vehicle.

Part of this induced drag stems from the lift generated by the wings. The static pressure above the wing is lower than that under the wing. The pressure is equal only at the ends of the wings, provided that the profile allows the total air pressures above and below the wing to be equalled.



The profile of the classic wing is specifically designed to allow this event in the direction of motion, but at the tip it does not allow the reunification of the two flows in a homogeneous manner, creating turbulence and, consequently, an increase in induced drag. This requires additional work on the engines to bring the aircraft to the correct flight speed and height, thereby increasing fuel consumption.

Blended winglets reduce induced drag, making it easier to move the aircraft and decreasing the effort of the engines, which will be able to reach the same speed and flight altitude as a similar aircraft without winglets, saving fuel consumption.



An aircraft with blended winglets is able to save 8% of Jet A1 Fuel compared to an aircraft without them.

The measure of the energy savings derives from the difference in specific fuel consumption before and after installation of the blended winglets. This data is obtained by default from the on-board instrumentation, since it is essential to prepare the flight plan and decide the amount of fuel to be loaded.

The company has a fleet of 20 Airbus A380s. The tank capacity is 350 tons of Jet A1 Fuel each for a total of 7000 tons of Jet A1 consumed each time the fleet is filled up.

With 2 fills per week and an estimated JET A1 cost of USD 1000/ton, the customer's annual savings during the first two years of execution of the EPC contract amounted to USD 220 million and saved the environment 2.3M tons of CO2.



The EPC contract has a duration of 5 years and the cost of the operation was USD 100 million, with an annual IRR of 50%.

	YEAR 0	YEAR 1	YEAR 2
Cost	45.000.000	-	-
Tons	350	350	350
A380	20	20	20
Total tons of full tanks	7.000	7.000	7.000
Cost of JET A1r	1.000	1.000	1.000
Cost of full tank	7.000.000	7.000.000	7.000.000
Energy Efficiency	8%	8%	8%
SAVING	525.000	525.000	525.000
Number of full tank	104	104	104
Cost of full tanks per year	728.000.000	728.000.000	728.000.000
SAVING on full tanks per year	58.240.000	58.240.000	58.240.000
SAVER 40% of saved energy in eur	23.296.000	23.296.000	23.296.000
Contributor 40% of saved energy in KWh	67.208.960	67.208.960	67.208.960
Sharing 1% of saved energy in eur	582.400	582.400	582.400



4. Token Sale

The Summary below describes the principal terms of the EFFORCE tokens. Certain terms and conditions described below are subject to important limitations and exceptions.

Prospective purchasers should review the entire Token Purchase Agreement, available from the Issuer, including the risk factors stated therein.

The summary below is qualified in its entirety by reference to the actual text of the Token Purchase Agreement. Capitalized terms not defined herein shall have the meaning ascribed to such term in the Token Purchase Agreement.

EFFORCE Tokens are ERC20 Utility Tokens based on the Ethereum blockchain.

The EFFORCE token might launch an IEO round after Private Placement. The number of tokens available during the IEO, if there is such an IEO round, will be decided after the Private Placement is over and the tokens will be released according to the lock-up rules.

Overview

Token Name	EFFORCE
Token Symbol	WOZX
Total WOZX Token Amount	1,000,000,000
Emission Rate	New token will never be created.



Purchase Price

Nominal value of 1 coin

decided through private placement

New token will never be created

Principles of Tokenomics

Consumers initiate the fundraising for a particular energy efficiency project

Contributors would participate with a stable coin into a specific energy efficiency project; their holding of EFFORCE tokens will be used as the criterion to decide the allocation of the contribution proportion of the project (e.g. on a pro-rata basis)

Savers implement the energy efficiency projects with the raised capital

The energy saving achieved from the projects will be mainly distributed to the Contributors and the Savers

The interest stakes in the energy savings of the projects could be traded on the EFFORCE platform

At least 1% of the total energy savings achieved from all the projects will be distributed to all EFFORCE Token holders

Dual Token model (stable coin and EFFORCE token): The stable coin is used as project operating capital and the EFFORCE Token would function as a Utility token to represent the platform rights and incentives



Issuance Key Facts

ISSUER	EFFFORCE Limited, a Bahamas based company limited by shares, formed for the purpose of issuing EFFFORCE tokens on behalf of its controlling entity EFFFORCE Ltd, a Malta company.
TOKEN	EFFFORCE, a utility token at the heart of the EFFFORCE platform.
PURCHASER ELIGIBILITY	As set forth in the Token Purchase Agreement.
USE OF PROCEEDS	Proceeds may be used for working capital and general business purposes, including capital expenditures, operating expenses, repayment of indebtedness and other recapitalization activities.
SALES DOCUMENTATION	Purchase and sale of the EFFFORCE tokens shall be on the terms and conditions set forth in a Token Purchase Agreement.
TOKEN DISTRIBUTION	Up to 1,000,000,000 Tokens will be issued by the Issuer. The Tokens will be sold in a private offering outside of the United States without the means of general solicitation or general advertising. Any Tokens that remain issued may be sold in the manner and times determined by the Issuer in its sole discretion.
LOCK-UP	as decided in Private Placement



4.1 Token Function

WOZX Role and its intrinsic value

The EFFORCE Token (WOZX) is a Utility token that functions as the certificate of the energy-saving project initiation and cooperation by Consumers and Savers with EFFORCE. Tokens will be released according to the Lock-up policy.

EFFORCE Token (WOZX) will function as the privilege qualification of well pursued energy-saving projects.

e.g.: Contributors who want to take part in energy-saving projects on the platform may be required to lock 1 token for each 1 USDT of contribution. This mechanism would enjoy the potential to activate a huge market by certain locking requirement rate, such as 1 EFFORCE token:10 USDT, which of course would vary from project to project according to market situation and the decision of the project team.

At least 1% of total energy savings achieved of all the projects will be distributed to all EFFORCE Token holders. The percentage could be adjusted as decided through the governance mechanism of EFFORCE platform.

EFFORCE Token holders may use their tokens as rights and interests such as voting rights for the general governance, such as the ratio of redistribution of energy savings, etc.

The token can be used to stimulate the whole platform ecology.



Incentives for mining

According to the TOKEN DISTRIBUTION MODEL, up to 200,000,000 EFFORCE tokens (WOZX) will be used to incentivize the Contributors, the Consumers, the Savers and anyone who introduces, contributes to and takes part into the energy-saving projects on the platform. Mining is initiated when energy-saving projects are launched successfully and rewards will be degressive every year.

The releasing plan is spanned in 10 years according to the following timeline:

25% of the tokens allocated for incentives will be released in the first year, half of that amount during the second year and then degressively each year further.

The principle for distributing incentives will depend on the nature of the incentive. Major partners, such as global energy saving institutions, savers, data auditing institutions and PR companies, will be eligible to receive MAJOR PARTNERS SING-UP INCENTIVE, once qualified cooperation agreement is achieved.

This kind of incentive shall not represent more than 30% of the total amount of tokens released for mining every year.

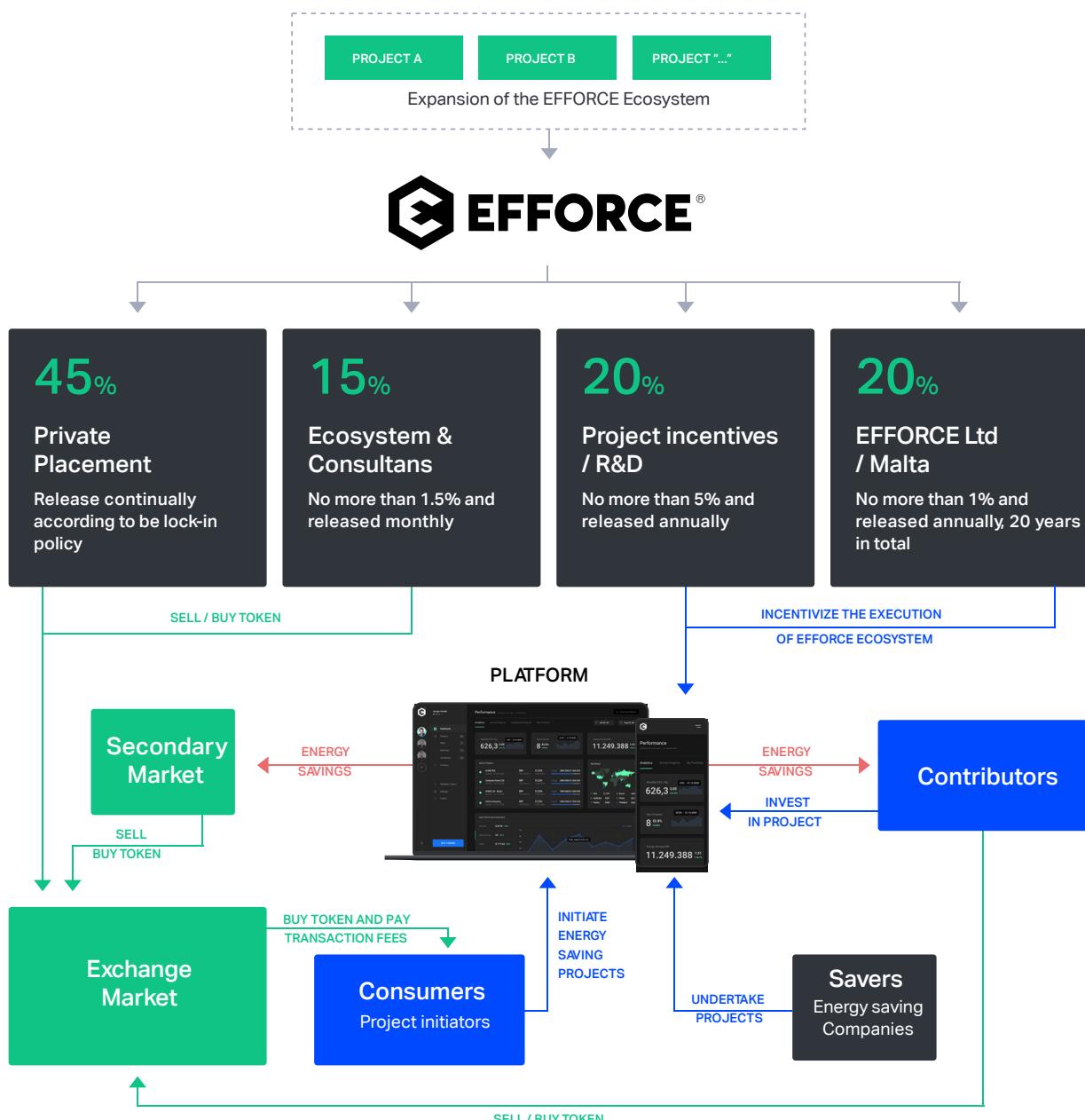
Contributors of the energy efficiency projects can receive the FUNDING PARTNERS CONTRIBUTION INCENTIVE. This kind of incentive shall not represent more than 70% of the total amount of tokens released for mining every year.



Token diagram

The scheme below shows the role of the EFFORCE token and how it will affect the whole eco-system. The circulation of the Token is enhanced by the use of the Platform as a major tool for Energy Efficiency.

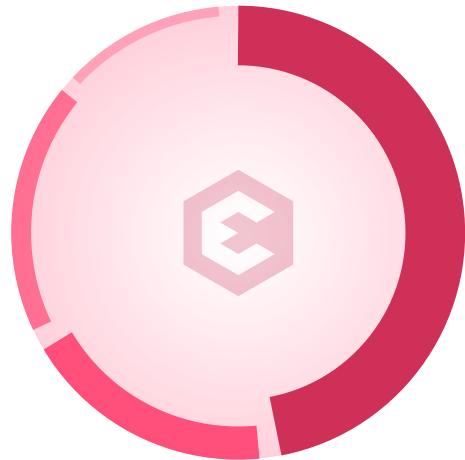
The usage and trading demand would increase with the scale-up of the quality projects. And EFFORCE token would appreciate accordingly. The core of the EFFORCE tokenomics is to attract more quality energy saving projects, and therefore to increase the value of the ecosystem and reduce the liquid token in the market, and to achieve the goal to increase energy efficiency for the whole planet.





4.2 Token Distribution

● Private Placement	45%
● EFFORCE Ltd	20%
● Incentive for Mining	20%
● Ecosystem and Consultants	15%



Incentives for mining

Issuer may sell a maximum of 450,000,000 WOZX in Private placement according to lock-up policy

Issuer may allocate up to 200,000,000 WOZX to EFFORCE Ltd (Malta) at a maximum rate of 1% a year as incentive for the whole ecosystem

Issuer may allocate up to 200,000,000 WOZX as project incentive for mining.

Mining is initiated when energy-saving projects are launched successfully and rewards will be degressive every year

Issuer may allocate up to 150,000,000 WOZX as Incentive for establishing the energy saving eco-platform, project development, team incentives, sales, marketing, etc.

No more than 1.5% are released monthly.



5. Team



Jacopo Visetti

Project Lead / Co-Founder

Jacopo is a pioneer in energy efficiency markets. After years of experience as a quantitative analyst, he founded AitherCO2, a leading company in the energy efficiency market. He is a visiting professor in several universities worldwide, regularly participates as a speaker at energy saving events and has consulted on environmental market mechanisms to Fortune 500 Companies and to the California State Senate. Jacopo graduated in Finance from the Cattolica University of Milan and in Macroeconomics from Harvard University.



Steve Wozniak

Engineer / Co-Founder

Co-founder, Apple Computer Inc.

A Silicon Valley icon and philanthropist for the past three decades, Steve Wozniak helped shape the computing industry with his design of Apple's first line of products the Apple I and II and influenced the popular Macintosh. In 1976, Wozniak and Steve Jobs founded Apple Computer Inc. with Wozniak's Apple I personal computer. The following year, he introduced his Apple II personal computer, featuring a central processing unit, a keyboard, color graphics, and a floppy disk drive.



Jacopo Vanetti

CTO & Tech Expert / Co-Founder

He started to program at 10 years of age.

Combining his passion for programming with the desire to create, he became an entrepreneur and founded a software house in 2008 and in 2011 an online payment development company. In 2016 he was awarded the National Innovation Award by the President of the Republic, Sergio Mattarella.



Sergio Carloni

CEO

Chief Executive Officer of AitherCO2 SpA, holding of the AitherCO2 group, he has years of experience as a senior executive manager for various companies. He teaches Corporate Management at the Master's course of the Il Sole 24 Ore Business School, with a focus on credit management. With extensive knowledge of business and corporate management, Sergio is a consultant in many fields, including organisation, governance, compliance, administration and financial control. Thanks to the international experience gained in Europe, Switzerland and the United States, he is a consultant for banks and start-ups worldwide.



Ken Hardesty

Co-Founder

Kenneth Hardesty is an international technology manufacturing CEO/COO with a dynamic professional career in both private and public companies. At various time in his career, he has lived and worked in the US, Asia, India or Europe with local governments, accessing capital markets, and building shareholder/stakeholder confidence. As CEO, he has directly established sales and a global audience, establishing global manufacturing operations from start-up, to over seven thousand employees.

As Cofounder and active Member of the Board of EFFORCE, Mr. Hardesty, provides guidance for strategic partnering opportunities, as well as contract manufacturing and licensing partners in Asia, India and worldwide.



Corrado Catania

Director

After years of experience in structuring and trading financial products at BANCA IMI, in 2012 Corrado entered the environmental market sector. For AitherCO2 he handles deal origination operations on energy commodities, especially in the air transport sector.

He holds a Master's degree in Financial Mathematics from the Bocconi University.



Stefano Scozzese

Head of Communication / Co-Founder

Recognized as one of the most talented creative directors in Italy, Scozzese has made a profession out of his passion for design and his strategic vision. Creative Director for Andrea Bocelli since 2004, with his agency specializing in brand building, he has implemented Design & Communication projects for companies and brands of international renown such as Giorgio Armani, Disney and Samsung.

In 2012 he received the award for the best creative director of the decade at the Italian Web Awards.

In 2020 has successfully completed the Harvard Business School Certificate Program “Sustainable Business Strategy”, designed to enable business leaders to play a major role in building a just and sustainable world.



Andrea Castiglione

Investor Relations / Co-Founder

Castiglione brings a heavily quantitative background into EFFORCE after focusing most of the past decade on researching network diffusion models and decision theory. He began developing financial trading and pricing algorithms from a young age to support investors worldwide in hedging their portfolios. With a broad experience in technology sector, Castiglione has been a key advisor to several international family offices and investment funds.



Anyu Chen

Responsible for Asia

A specialist in Economics and Innovation and Technology Management in the Energy Efficiency field, Anyu has years of experience in developing leading-edge projects and products in China, Dubai, Hong Kong and Europe. Currently she manages energy efficiency projects in Asia for AitherCO2. She holds an MSc from the Bocconi University.



Federico Lattuada

Responsible for EMEA

After years of experience as a researcher in environmental and energy sciences, Federico became a partner of AitherCO2, where he is responsible for the issue of White Certificates (TEE) and the environmental market mechanisms. He graduated in Energy Markets from the Catholic University of Milan.



Paola Mignuolo

Corporate Clients Account Manager

An expert in global energy efficiency markets, Paola is the reference person in Europe for the various energy efficiency protocols. She is Key Account Manager for AitherCO2.



Maurizio Castelli

Risk Manager

Co-founder of AitherCO2, he is in charge of the London office. He deals with the development of energy efficiency projects in California and in Africa. For AitherCO2, Maurizio manages the compliance and risk management department.



Giulio Modorati

EPC Expert

After working in the Equity Capital Market team for RBS, Giulio completed numerous IPOs, both in Italy and abroad. He is a partner of AitherCO2, where he manages the financial aspects of Energy Performance Contracts and the White Certificates (TEE) market.



Cristina Beggiato

Communication PM

Thanks to a solid experience in Marketing & Communication and a strong organizational ability, Cristina has managed numerous international projects of various types and complexity for the key clients of Scozzese consultant for banks and start-ups worldwide.





6. Road Map

6.1 First steps

According to a study published by the International Energy Agency (IEA), investments in energy efficiency increased by 9% in 2017. This growth rate remained constant and in the same year the energy efficiency market reached a record value of USD 231 billion.

More than 68% of the energy used in the world is NOT covered by an efficient energy standard and the system within which it is used could be made more efficient. Suffice it to consider that most of the growth in the demand for energy coming from the cooling of habitable environments takes place in those parts of the world where there is no regulation to support the energy saving process.

For this reason, we want to make investment in energy efficiency fluid and accessible. In fact, the current system is hampered by a number of factors:

- Need for a minimum investment of 200,000 euros to access a complex energy efficiency system.
- Technical knowledge of the functioning of energy systems and smart meters to monitor the energy savings achieved.
- The lack of trust and a meeting place between those who need to implement the investment to improve the energy efficiency of their structure and those who actually want to invest in order to obtain alternative returns.
- Uncertainty on the pay-back period of the investment.
- The limited technical knowledge of the sector on the part of financial institutions, which are not able to calculate the returns on the investments made. Moreover, the E.S.Cos do not have access to the capital channel as a financial institution.



The first aim of EFFORCE is to build a platform that brings together supply and demand, simplifying the investment method and making it more secure. Thanks to EFFORCE, contributors will always have access to clear information on the IRR and the pay-back period of their investments.

Thanks to the proceeds deriving from the Presale phase, EFFORCE can be the first platform for bringing together energy efficiency supply and demand.

In this initial phase, the focus will be on engineering and building the foundations of the first decentralized energy efficiency platform. The initial phase will end as soon as it will be possible to invest and disinvest in energy efficiency projects.

“

EFFORCE eliminates these information asymmetries, making the investment process more transparent and accessible.



Q1 2020: Finalizing Platform Development for Factories and Real Estate Projects

The platform for bringing together supply and demand and the accounting of energy savings obtained from the energy efficiency interventions carried out will be operational starting from the first quarter of 2020.

Until such time, all EFFORCE tokens will be able to be used to purchase environmental services and consultancy on energy efficiency at AitherCO2.

AitherCO2 will put the first projects that can be implemented on the platform, in order to make the exchange platform operational also on the supply side.

Among these projects, we would like to highlight two in particular:

- Energy efficiency project on a dual 8.55MW industrial tri-generation plant located in Italy, with a total cost of 6,500,000 euros, with an annual IRR of 20% for 7 years.

The term “tri-generation” refers to a particular form of cogeneration that involves the simultaneous production of three forms of energy starting from a single fuel:

1. power
2. heat
3. cooling

(CHCP = Cogeneration of Heat, Cooling and Power)



Process definition:

- Hourly consumption profiles of the plant for power, heating and cooling.
- Definition of the process scheme and of the system solutions to optimize efficiency and flexibility.
- Choice of the types of the main machines to be installed.
- Definition and optimisation of the plant operating modes
- Definition of the plant layout and of dimensioning of the building.
- Civil and architectural design of the building

Primary energy requirements of the plant:

- **Electrical requirement: 100,000 MWh**
MAX power: 22 MW
HV delivery (132 kV)
Operation with 2 x 16 MVA TRAFO
- **Heating requirement: 50,000 MWh**
Boiler room for the production of super-heated water at 135°C for the plant and the production cycle
- **Cooling requirement: 10,860 MWh**
MAX power: 9 MW
Water cooled chiller groups for production



Prospective return of the project:

	YEAR 0	YEAR 1	YEAR 2	YEAR 3	YEAR 4
Cost of the project	6,500,000				
Mainteinance cost	130.000	130.000	130.000	130.000	130.000
Saved Energy in eur	2.701.871	2.701.871	2.701.871	2.701.871	2.701.871
Saved Energy in KWh	78.084.072	78.084.072	78.084.072	78.084.072	78.084.072
SAVER 40% of Saved Energy in eur	1.080.748	1.080.748	1.080.748	1.080.748	1.080.748
Contributor 40% of Saved Energy in KWh	31.233.629	31.233.629	31.233.629	31.233.629	31.233.629
Sharing 1% of Saved Energy in eur	27.019	27.019	27.019	27.019	27.019

Energy redevelopment project for a hotel complex costing 1,350,000 euros located on the French Riviera (France), with an annual IRR of 15% for 5 years.

The redevelopment project includes the renovation of a hotel complex consisting of 5 buildings, for a total of 600 rooms, belonging to a market leading chain of holiday villages.

Definition of the efficiency improvement process:

- Heating and cooling system, thanks to the installation of heat pumps in energy efficient class with the aid of solar thermal panels
- 0.55MW cogenerator for the SPA and wellness centre section for water heating
- Smart system for accumulation and redistribution of energy consumed by the buildings
- Complete renovation of the building envelope (thermal cladding and triple glazing)
- Complete revamping of 12000 LED light points



Primary energy requirements of the plant:

- Electrical cooling requirement: 2,100 MWh
- Heating requirement: 2,000 MWh
- Energy requirement for hot water: 2,640 MWh
- Electrical requirement: 6,600 MWh

Prospective return of the project:

	YEAR 0	YEAR 1	YEAR 2	YEAR 3	YEAR 4
Cost of the project	1,350,000				
Mainteinance cost	250,000	250,000	250,000	250,000	250,000
Saved Energy in eur	700,000	700,000	700,000	700,000	700,000
Saved Energy in KWh	8,990,000	8,990,000	8,990,000	8,990,000	8,990,000
SAVER 40% of Saved Energy in eur	380,000	380,000	380,000	380,000	380,000
Contributor 40% of Saved Energy in KWh	3,596,000	3,596,000	3,596,000	3,596,000	3,596,000
Sharing 1% of Saved Energy in eur	7,000	7,000	7,000	7,000	7,000



To these projects will be added those of all the Savers interested in redeveloping their building or industrial complex in terms of energy efficiency, using crowdfunding to channel the investment through Energy Performance Smart Contracts.

In this way, EFFORCE will also deal with regulating the supply side, evaluating and proposing efficiency projects to those interested in investing in an energy efficiency quota.

Consumer side

For Consumers interested in reducing their energy costs, EFFORCE will implement a marketing campaign in order to reduce its disbursements and channel the interest of small and large buyers to the market for the purchase of energy savings of others.

Q3 2020: First Efficiency Project Completed and Beginning of Energy Efficiency Sharing



6.2 Teen Age

Increase the number of companies interested in receiving energy efficiency investments through EPC.

In this second phase of geographical and sector expansion, marketing will be increasingly important, in order to implement energy efficiency projects on: transport, residential and tourism buildings and complex industrial processes.

Imagine a production company, or simply any residential complex that wants to improve its energy consumption, attracting the capital needed from all over the world in cryptocurrencies or in fiat currencies, selling part of the savings obtained from the efficiency process.

Q1 2021: Road and Marine Transport industry is added to the project platform

Starting from the first quarter of 2021, we will be able to proceed with the improvement of energy efficiency of company fleets and shipyards.



6.3 Growth Age

In this phase, the EFFORCE goal is to be recognised as the leading platform worldwide, in terms of both savings volumes obtained and number of registered users, able to support energy efficiency projects through the direct financing of a part of the project itself.

Starting from 2026, we want to consolidate our global presence as the main platform bringing together supply and demand in the energy efficiency market.



To register your interest please contact team@efforce.io.

Thank You

EFFORCE Ltd
171, Old Bakery Street
Valletta VLT 1455, Malta

efforce.io | team@efforce.io