



TranslateMe

WHITE PAPER



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Welcome to TranslateMe Network!

My name is Ryan Lloyd and I am one of the founders of TranslateMe. Our story begins as do most start-ups, with a problem that needed solving. TranslateMe was incorporated in Mauritius by myself and co-founder Stephan Lagesse. The company was created as a translation solution service to premium hotels and the tourism industry. Our platform provides instant translation with the use of neural machine translation. The challenges with machine translation currently include high costs, poor quality and the fact that only 1% of the world's languages are supported.

There are over 6500 languages spoken worldwide, and it's estimated that only 200 languages have some support from companies like Google, Facebook and Amazon. These companies lack the data needed to expand the machine's ability to translate these languages.

TranslateMe will grow a community of translators and contributors with the incentive model of the TMN token. This is the first phase of collecting data from the community and feeding this valuable data into the TranslateMe data bank of corrections, that will improve the machine's understanding. This data serves as the differentiation between the larger competitors. The data is unique because it will actually compare the machine's existing results with the live corrections of millions of contributors from around the world in thousands of languages—resulting in the most accurate translations possible.

These higher quality translations are efficiently and rapidly achieved.

Contributors can also connect the unused computing power of their phone or laptop to serve translation requests from end users. These contributors will be paid in TMN in return for their support. This will drastically reduce the costs of translation to the end user.

There is no need for a central server or a service provider. A distributed network can scale as needed to serve translation requests live.

The uses for machine translation are endless; text to text, speech to text, text to speech and speech to speech.

This industry is currently worth 44 Billion USD a year in revenue opportunity. With only 1% of the world's languages been serviced, we have plenty more room to grow. The growth potential in this market is endless, once costs are lowered, quality is increased and the market opens up to unsupported languages.

I invite you to help us make this a reality. The missing link is data from contributors around the world. This data is worth trillions if applied across all potential revenue avenues in the right ways.

Decentralised Hybrid Translation Network

TranslateMe is a network of people and machines. The decentralised network will translate anything, such as text to speech recognition, and support all 6500 languages. We aim to bring you a decentralised network that provides results directly to the end user, in an effective peer-to-peer service. No middle man, no central point of failure. Data collected from millions of contributors will serve as corrections for all the language translations we currently have. This data collection step creates a hybrid between machine and man, to create the ultimate translation solution.



TranslateMe Unique Algorithm

TranslateMe has developed a unique approach to natural language processing. We will be the first to train an algorithm with its own corrections, by using the original data of a machine and comparing it the corrections of a human contributor. Typical neural networks require large amounts of data to affect the algorithm in a positive manner, but TranslateMe's process is about 90% more efficient at correcting the machines output. This makes the data submitted extremely valuable and will enable TranslateMe to rapidly develop a commercial product.



The Problem

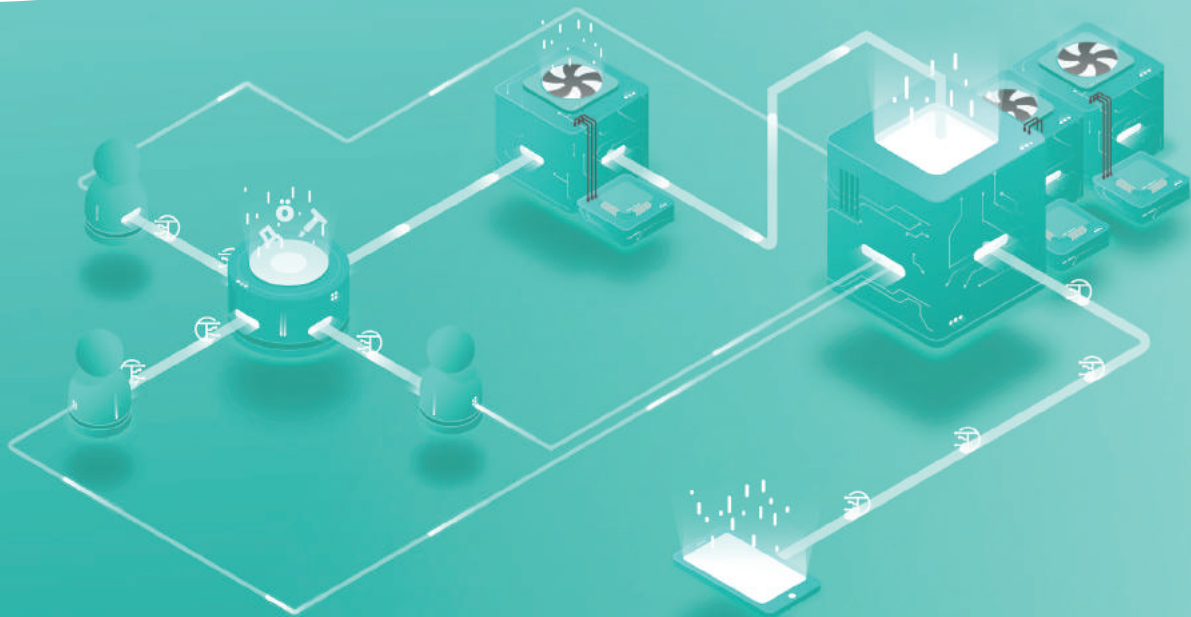
There is not enough data to support perfect machine translation, and the cost of translation is far too high. The quality is terrible on even some of the most popular language translation apps out there. Companies around the world are racing to build the best solution and centralize the service, holding ransom to the technology, and charging the end user excessively.



The Solution

TranslateMe reduces translation costs with the use of Blockchain, and builds an ecosystem that rapidly improves the machine's understanding of any language. With decentralising data collection and computing power, all contributions are pooled to a single growth point and the efforts are not divided but united. The result is higher efficiency, lower costs and the best possible quality in machine translation.

Economics of TranslateMe



TranslateMe uses Blockchain and cryptocurrency to allow for fair transfer of value between the end user and the nodes. Key contributions to the network will require resources that will fluctuate in value. Nodes and master nodes will perform the bulk of the computation required to complete a translation request.

These nodes will incur costs that must be overcome by the value of services on offer to ensure profit. A master node will contribute computation, internet bandwidth, disk space and other resources to complete the task. For the first 10 years, the mining algorithm will mint tokens based on the various services that these nodes provide. This will be influenced by many factors, but will be adjusted by a difficulty method to ensure equal and fair distribution.

The mining algorithm will subsidise the costs at 100% in year one, 90% in year two, and 80% in year three. This rate will continue as the project grows and is adopted by users that are prepared to pay for the innovative services.

This ensures a low-cost factor for the adoption period, encouraging service providers to use the platform. The gradual increase in the costs to the service provider will assist in a transition from a mining reward to direct remuneration.

End users and service providers willing to continue paying for the services will remove the need for mining reward in the future. Demand for the service will influence the value of a single token.

TranslateMe will be a superior translation platform and as a result create a premium price for its services which will be passed directly to the nodes supporting the system, creating a balance in transfer of value across the network between both parties.

9% of the funds generated from the end users will be issued to the development of the platform and ensure long term growth. The development of translation applications is still far behind where it should be. The real value it could potentially provide is still largely untapped.

TranslateMe will create a network that will compete with the central giants of the industry, similar to UBER replacing the taxi industry and Airbnb replacing the way accommodation works.

The power of decentralisation and collaboration will ensure a superior translation platform for the end user. The end user will enjoy maximum value, and the service provider will enjoy maximum profits.

TranslateMe Network Structure



Node User

These are registered users that contribute human input into the system in exchange for tokens.

Node Translator:

These are registered users specifically for TranslateMe validation purposes and serve large amounts of translated data. Their input will score higher.



Master Node:

These nodes will perform the bulk of the transactions and machine learning with GPU mining rigs for accelerated machine learning. They will serve as hosts for the physical data storage needed to store algorithm data and other server related tasks.



Micro Master Node:

These devices will perform translation requests directly from laptops, tablets and phones.



Development Entity:

An important part of the development will go into new software, and integration services into existing apps and platforms. These are independent companies with developers that will help grow the use case of the platform. TranslateMe will contribute to official development companies that believe our network will serve a better product for the app or platform. Official partners will benefit from subsidised tokens to offer their product or switch their product from existing translation provider.



Service Provider:

These companies are aligned with the development entity, but would have specific projects that require a unique focus and whilst they are similar to the development entity, it's good to note that they play a slightly different role. These are companies that create new ideas or processes and use developers to implement them.



End User:

These individuals benefit from the combination of the TranslateMe platform and the APP or software created for better, seamless translation. The end user will contribute directly to the revenue model and consume products and services. In exchange for this they would pay as they traditionally do for any app or service they are willing to pay for. (Note: the end user is not required to use tokens, and this removes the adoption barrier of end user for crypto currencies).

Problems with conventional translation services:

High fees exist on all current platforms. This reduces development for products that are held back by end user costs.

There is no collaborative effort in the industry. Each platform independently develops improvement to the algorithm. In contrast, TranslateMe will pool all efforts and contribution to rapidly overtake existing models.

No human input for machine learning to refine the algorithm.

Centralised servers ensure data is always at risk and will compromise user sensitive information each time requests are submitted.

TranslateMe is 100% decentralised and will secure all information submitted to the platform with the highest level of security in place.

Traditional translation services are usually bound by 9am-5pm working hours. TranslateMe will provide its customers with 24/7 access to its translation services.

TranslateMe Revenue Opportunities:

TranslateMe aims to break the language barriers that exist today, bridging the gaps in various fields. TranslateMe will add value to many existing business models and improve the business offering by extended service to end customers.



Tourism

Tourism alone accounts for billions of dollars a year in revenue. In almost every country, cultures collide as our human nature drives us to explore. TranslateMe will add value, by providing services, to various layers of the industry, increasing revenue opportunities in tourism all over the world.



Education

Education would also benefit from an efficient translation system. Education systems are moving online at a rapid pace, and all the platforms would benefit from a wider user base, should the education material be open to all languages.



Products

Products that exist today could be enhanced to offer better experiences to end users. TranslateMe will reduce the barrier for entry costs and inspire new products to be developed for communication. Entire companies will form, as gaps in the market are filled, with new and wonderful devices running on the TranslateMe network.

TranslateMe will open larger markets to existing businesses online, just by removing the language barrier. TranslateMe will improve efficiencies in business communications and reduce the costs for translation.



Business

Business relies heavily on communication between clients and other businesses. Markets are extended by bridging this communication gap. TranslateMe's main focus would be mainland China-based partnerships to fast track use cases. This will open up new business connections, reduce existing translation costs and offer better quality communication.



Digital

Digital entertainment generates billions every year in revenue but restricts its profits to the language its intended for. Recently, the trend to offer the same content in different languages has increased but the cost for this is still too high for the majority of the industry to follow.

FIAT Barrier:



The services or products built by these entities would be used by the end user. The nature of this relationship immediately removes the barrier crypto currencies create with FIAT. End users will not need the token to consume the service.

What this means is that FIAT will flow into the system naturally via the entity that has created the service or product for translation and these entities will be required to purchase tokens as a means of keeping the service cycle running.

It's important to remember that Blockchain technology in this use case is very real, and only to facilitate exchange of value or transfer of value within the ecosystem.

We believe that focus in a particular field is better than promising a wide spectrum of services. The basic example for the token cycle starts with the system requiring tokens to translate input data to requested output data. These tokens are like fuel or credits in a platform that allow for the services to be rendered.

We discussed users and businesses needing translation services, but we didn't discuss the companies or service providers that would create the tools or products.

They play a key role in the process by creating software that, at the core, uses TranslateMe to carry out the input and output request.

The benefit here is that there is no FIAT barrier, a wider adoption and a focus market with maximum reach.

The cycle does not stop there; because these tokens make their way to the nodes, master nodes and core development.

They create the system that offers machine learning, translation, communication, time, development and internet connection for the physical computation of translation, passing the value directly on to these individuals.

These rewards are converted to FIAT by selling back into the market for the asking value on any of the many exchanges online, thus completing the cycle of value transfer.

The service providers will purchase once again and top up their platform to continue offering the service they built in to their software.

TranslateMe will replace all translation services and dominate the market as the number one platform for translation.

Our Founders: Committed To The Project's Success



Ryan Lloyd

Founder

Entrepreneur and Blockchain enthusiasts 10 years background in web development and project manager for BlockMesh.io



Stephan Lagesse

Founder

A strong knowledge & experience in: City Business Hotels, All-inclusive Resorts, Boutique Resorts, Luxury Residence Management.

Development Team



Laurențiu Coteț

UX Designer



Thierry Hervet

Legal Advisor



Scott Wentworth

Marketing Manager



Thomas Lobker

Blockchain Developer



Angelique Thomas

Website Designer



Satyam Kumar

Machine Learning - Neural
Network



Karim Alharazin

Senior PHP Developer



Dheer Gulati

Algorithms & Machine
Learning Engineer



Aman Sharma

Algorithms & Machine
Learning Engineer



Carmen Gee

Social Media Specialist

Language Validators



Fabienne Deutsch

FRENCH



Mateo Jaramillo M

SPANISH



Viktoria Szabo

HUNGARIAN



Ruben Cabanzo

SPANISH



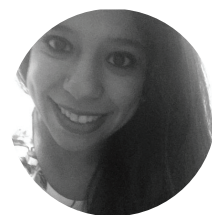
Elodie Blain

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Karen Velazquez

SPANISH



Luciana Angela Seia

SPANISH

Roadmap

JAN 2016

TranslateMe was created by Stephan Lagesse and Ryan Lloyd.

MARCH 2017

TranslateMe was incorporated in Mauritius as a full translation solution offering to the hotel industry.

JUNE 2017

TranslatMe Menu platform was created and released.

NOV 2017

TranslateMe explored alternatives to the current third party translation service providers and this is where the company found solid solutions in blockchain technology.

JAN 2018

Translateme.network basic white paper was created for review and interested parties.

JUNE 2018

The official release of the full white paper and launch of the official ICO website www.translateme.network.

MAY 2018

Core team for the project was identified for Blockchain incentive and additions to translation algorithm.

APRIL 2018

Private funding was raised to continue development of the alpha version and launch costs for the project, including basic recruitment for our start up.

MARCH 2018

Alpha version of the test network without blockchain incentive was created, this alpha version would demonstrate to investors the difference between machine learning standards and our Human Input Algorithm.

FEB 2018

Preliminary plans where rolled out to bring together the best in the industry.

JULY 2018

Testing of the token contract for private sale stage.

AUG 2018

Attended Mauritius first Blockchain conference.

SEP 2018

Pre-launch show case of French to English proof of concept and DOCS platform BETA release.

OCT 2018

Begin custom Blockchain development to build into our alpha version for testing on a test network token.

Milestones

November 2018



Private sale begins.

December 2018



Public sale begins.

2019 1st Quarter



Release a BETA version to participants, this will include the basic input function of human input to contribute towards the network and distributed computing.

2019 2nd Quarter



Combine incentive of TMN with contribution by human input.

2019 3rd Quarter



Release a BETA version to participants. This will include the basic input function of human input to contribute to the network and distributed computing.

2019 4th Quarter Release



Combine the incentive of TMN with contribution by human input.

Summary success note:

- ✓ TranslateMe is decentralised and removes the middle man costs.
- ✓ TranslateMe will have a world first in human input for a unique machine learning algorithm.
- ✓ TranslateMe is the only hybrid translation system that exists.
- ✓ TranslateMe will coordinate all progress to one engine and surpass any central learning system.
- ✓ TranslateMe will remove risk of sensitive data, often collected and sold into the market.
- ✓ TranslateMe has one utility use and positions itself with existing FIAT payment processes.
- ✓ TranslateMe has a built-in revenue model that will ensure growth.