

**DigiSol Farms**



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DigiSol Farms

3104 Egret Terrace, Safety Harbor, FL, 34695

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DigiSol Farms

**Executive Summary**

**What we sell**

We sell targeted and conventional computing power as well as cloud services and server rentals.

There are plans for renewable energy to be sold back to the grid.

**Who we sell to**

A well extabilished online market is already set in place by bigger organizations called pools. We will be selling power to pools, as well as offer our own pools to privates.

**Financial Summary**



Currently our machines payback is ~350 days after paying the utilities. Any income after utilities will be profit used to expand and pay our employees.

We have calculated a payback of less than 250 days on machines operating with industrial electricity rates.

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**Company Essentials**

**Company name**

DigiSol Farms

**Company Overview**

The purpose of DigiSol Farms is to generate and provide computing power to small businesses and privates worldwide. Its founder, Anthony Dibble, started DigiSol Farms in 2019 after 4 years of extensive research in the matter and successful attempts of building and operating a network of specialized servers and clients. He is currently the sole proprietor. There are plans for 30% of the company to be distributed to a network of investors, partners and to the current team working on the project.

DigiSol Farms has a offices in Florida and Washington DC. It currently has a stable environment to operate its 2 prototypes in, but it's looking to expand into a more appropriate location where it can meet the demand for a separate building, with the proper industrial environment (3 phase electricity to handle the wattage draw) and better electricity rates.

The team's vision for DigiSol Farms is for it to be able to provide a substantial amount of renewable energy to the grid, as well as generate a profit by simplifying the work lives of its clients by providing computing solutions, therefore enhance their chances of being profitable.



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**Management & staff**

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Dibble is the lead partner and will oversee most business matters. He will handle finances (with the aid of a bookkeeper), licensing, purchasing of space, designing the ecosystem, day-to-day operations, the marketing plan, business-to-business contacts, and part of the staff hiring.

David Hazen will be the Director of Operations for the digital side. With 15 years of extended knowledge on the matter, we decided he was the right candidate. He also operates his own IT Firm, Goleta Digital, which has been in business for 12 years and is in California. With the help of his team he will oversee building, operating and networking the machines as well as redirecting the computing power where it's needed. They also plan on coding their own distribution of Linux, which will be a digital environment for these machines to function better and to be easier to operate in.

Angelo Scalone will be the Director of Operations for the solar side. with over 35 years in the engineering and renewable energy business he has built a portfolio with some very big projects. He is currently working on the solar array development of the Dominican Republic as the head engineer. With him our array will be as efficient as possible and we will make sure to harvest as much renewable power as we can.

We are currently also working with Microsoft engineers and with business entities who own data centers.



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**Ownership and Protection**

**Business Structure**

Dibble is sole proprietor of Digisol Farms, which is registered as a sole proprietorship as of the moment being. There are plans for 20% to be split among the team and for 8% to be reserved investors, as they will receive a set % of profit on their capital investment after a set number of years, as well a small % in the company's equity as a gift for helping the business scale. The last 2% is to be decided as a later date.

**Business Protection**

DigiSol Farms has no patents, trademarks, or other intellectual property to protect at this time

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**Products and Services**

**Current Products and Services**

Digisol farms provides a range of targeted computing power

solutions to businesses worldwide.The businesses range from video rendering companies to software development, to hospitals using deep ai technology to diagnose cancer in people and everything in between.

Each client uses a slightly different mix of DigiSol Farm's services, which include:

Cloud Storage and Server Rental



Targeted Computing Applications



* Reliable Data Flow
* Video Rendering
* Deep AI Research

Video Game Streaming (VR and 3D)



Pooled Data Transfers



Secure Peer-To-Peer Data Transfers



"Power Pool" Technology (will be designed on a later date as part of the Linux distribution)



Extensively Engineered Machine Ecosystems.



**Future Products and Services**

There are future plans for years to come for DigiSol Farms. The vision is for us to be able to produce 250Mw/Hr - 1 Gw/Hr worth of renewable energy on each farm. We are looking to scale the farms throughout the country. 10-30% of that power will be used by our machines (as a catalyst) to fund new renewable energy farms, as we will be able to scale a lot faster throughout the years and provide even more clean, renewable energy to cities around the country.

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**Market Analysis**

**Our Target Market**

The world has seen a 1 trillion-fold increase in computing performance from 1956 to 2015. That is also accompanied by an increase of complexity in computing power as we see technology evolve, and more demand for general and targeted computing power. Around 2015 we have noticed a massive decrease in the complexity of traditional chips as more complex chips require more wattage and generate more heat. (GPU, CPU, RAM, and Storage classify as traditional

computing. Quantum computing is currently being researched in experimental environments) Graphic Processing Units handle the most difficult function of the standard machine, while the CPU handles the basic opening and closing of the gate.

There are various markets for generalized GPU, RAM and CPU computing power as well as targeted application computing power. The merchants buy power in bulk, send it to a pool, and redistribute it to the networks where its needed. Targeted application has a separate market as it's more private and requires higher end machinery, which DigiSol Farms will also be providing to their customers.

DigiSol Farms will be generating both GPU, RAM and CPU power, as well as target application power. For the first phase of the operation we will be sending purely GPU, RAM and CPU to external existing pools for daily profit. As the company grows, we will build machines that will have target application such as video rendering and deep ai learning, which will require a different ecosystem such as immersion tanks with dielectric fluid. Another targeted application will be cloud storage and data escrow, which will use a different part of the machine, called an SSD. There are also plans for Server Rental to be taking place in our facilities.

The machines will be powered by a hybrid electric grid that will use both the renewable and conventional power grid. This will keep the cost of operating the machines low, as well as provide a green energy solution to the amount of wattage used. The percentage of funds spent towards green energy will increase exponentially trough the years, as our end scope is to build renewable energy farms, with data centers on them. The facilities will generate different kind of computing power, send it to a general pool owned by DigiSol Farms, and redirected to our clients.



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We will generate 150-250 mw/hr on the smaller farms and 1+Gw/hr on the larger ones. For the first 7 years we will be redirecting 70% of the electricity generated

in each farm to our data centers, which will be on site, as it will help pay off the equipment used to generate the electricity in an appropriate amount of time. We will then move most of the machines and facilities to new locations to build more farms, bringing the machine’s power usage percentage down to 10-30%, with the remaining power sent to the grid. At this stage our market would be the classic energy market that is existing is all states, as well as privates, and/or the conventional energy grid.

**Target Market Size**

There is a well-established market both for computing application and renewable energy, and they're both in the trillion of dollars.



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**Competitors**

**Competitor Overview**

Our main competitors will be data centers and energy providers. At DigiSol Farms we don't like to mark those institutions as a competitor, as we are all contributing to a pool which will use the energy to help advance technology and fuel cities’ electricity demand. We will be looking to form strong ties with both Microsoft and Google.



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**SWOT Analysis**

**Our Strengths**

We have many strengths, with two of them being scalability and a reliable proven sales distribution model. Our Director of Operations also has a very extended knowledge on the matter. We have many strategic business entities working with us.

**Our Weaknesses**

The weakness of this operation is the amount of heat produced by the machines. DigiSol Farms will be building facilities that will make sure that the heat of each unit underneath 60C', as well as buildings that will host liquid cooling for the high end machinery.

A project of ours is to recycle the heat and ventilation, to also produce electricity and increase the efficiency of the machines

**Our Opportunities**

There are many opportunities and incentives that the government hosts towards renewable energy. DSIRE, for example, is a federal program that offers a maximum incentive of 25% of project cost, up to $500,000 towards renewable energy



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**Marketing Plan Overview**

**Overview**

The computing power we generate will go directly to the IP that’s willing to pay the highest for it. We have many entities offering capital and we will also be hiring a marketing team for capital investment. They will reach out to investors who, over the span of a 2-5 years, will receive their capital back with interest, plus a tiny stake in the company as a "gift" to the investors for helping us grow. The dividends are paid back quarterly (subject to change).

**Pricing**

Our main costs starting out will be the machines after the warehouse is paid off. a machine will be costing about 975 dollars. The machine will be producing around 4 to 5 dollars a day after electricity costs, reaching break even point after less than a year. Higher end machines will cost more and produce exponentially more to justify the cost.

**Promotion**

The market is already there as pools have established. The pools are the ones that pay out to us on a daily basis.

**Distribution**

The distribution is just as simple as the promotion, the pools pay out periodically.



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