

iLamp Roadmap for The State of Florida

This document covers information required to build a road map to commercial viability for the iLamp territorial license for the state of Florida.



Florida Population
22.2 Million

GDP
\$1 Trillion

Florida State Dept.
for Transportation Budget
\$12.6 Billion

Street lighting is the single largest source of carbon emissions from local government, typically accounting for 30-60% of their total emissions.

The crises in California and Texas are different, in scale and severity. One faced fire, the other an ice storm. But experts say the power outages in both states make one thing clear: neither is prepared for the chaos of the climate crisis.

iLamp.com
ILOCX.com/iLamp



ConFlowPower.com
Batteryware.com
PowerasaService.com
Droneready.com
Investinbatteries.com
ILOcasestudy.com

Exclusive License for iLamp in Florida

The effects of **Climate change in Florida** is attributable to man-made increases in atmospheric carbon dioxide. Floridians are experiencing increased flooding due to sea level rise, and are concerned about the possibility of more frequent or more intense hurricanes.

The state has been described as America's "ground zero" for climate change, global warming and sea level rise, because "the majority of its population and economy is concentrated along low-elevation oceanfront."

Florida residents think climate change is happening at higher rates than the national average. However, only a slim majority agree it is anthropogenic in nature. Some communities in Florida have begun implementing climate change mitigation approaches; however, statewide initiatives have been hampered by the politicization of climate change in the United States, focusing on resilience rather than full scale mitigation and adaptation.

Florida seeks 100% renewable electricity by 2050

According to the federal Energy Information Administration, only about 5% of Florida's electricity in 2020 was produced by sources such as solar, compared with 75% by natural gas, which is mainly methane.

On February 1, 2022, in a historic moment for climate resiliency efforts, the State of Florida announced it would award \$404 million received in federal funding toward 113 resiliency projects statewide. The news comes just two months after Governor Ron DeSantis announced that the state would also provide \$270 million for similar projects. Through the state's Resilient Florida Grant Program, this sum will provide nearly \$700 million in funding for over 185 projects—the largest investment in resiliency in the state's history.

1. In Florida, there are 54 electric utilities that provide electricity to customers in the state. There are five investor-owned utilities – Duke Energy Florida, Florida Power & Light, Florida Public Utilities Company, Gulf Power, and Tampa Electric Company (TECO). Together, these five investor-owned utilities serve approximately 75 percent of the state's



Creativity is the power to correct the seemingly unconnected.

- Nikola Tesla

population. The remaining 25 percent is provided by the 33 municipal electric utilities and 16 rural electric cooperatives.

2. All potential partners can be found here. There are multiple, and some are state-owned <https://www.publicpower.org/public-power-florida>

Deal Breakdown

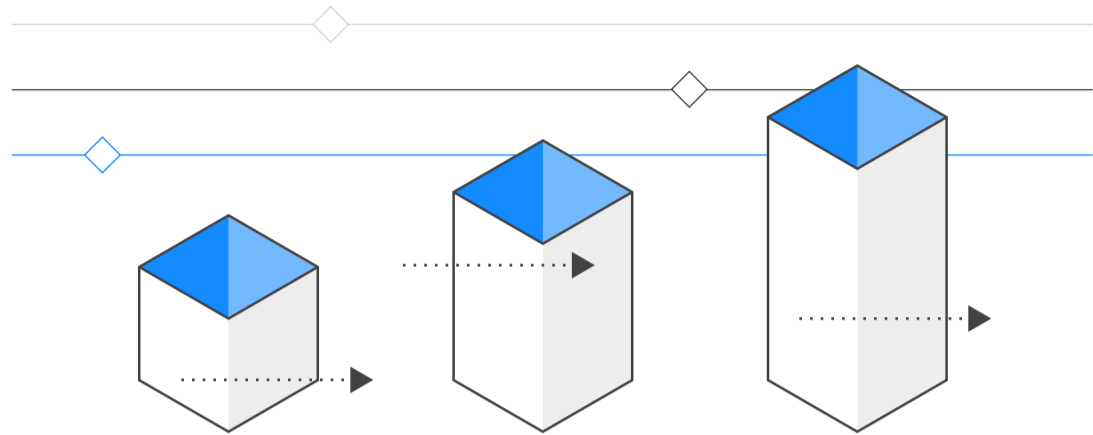
Steps to enhancing value and recurring revenue

1. Reserve the territory by purchasing 10,000 Class II licenses of iLamp (cost \$100,000)
2. Purchase exclusive license in Florida for \$20,000,000, pay \$300,000 on signing and the remainder in a note payable on share of revenue and capital raised at a zero coupon for the entire term of the note. You will get an exclusive license for Florida, a pilot pole installed, a localized iLamp.com website (see example here <https://Oregon.iLamp.com>), a listing on ILOCX for your local fundraising and promotion.
3. A more detailed roadmap with all supporting documentation and training.
4. The ability to sell sub-licences within Florida.
5. You pay iLamp HQ 5% of all revenue and 20% of the PaaS revenue you generate.
6. Repeat what CPG has done in California and now in 9 other States in the USA: agree to a pilot installation for iLamp. Get a contract for installation and gain 20% of the PaaS revenue from each iLamp year- on-year. 10% of the market in Florida would yield approx \$1.2 Billion in iLamp sales over 10 years and generate \$40 million in annual recurring revenue based on 20% of PaaS revenue not including all other sources, camera, sensors, wifi, 5G etc estimated at \$400 per pole per annum. (based on an estimated 1,000,000 poles in Florida)

Three steps to faster returns (Alternative option)

1. Buy \$1 million of iLamp licenses at current price, and move to step 3 above. The result will be a double in the value of your units before your local ILO is listed.
2. List iLamp Florida on ILOCX and gain local support.
3. On signing we commit to supplying a sample iLamp to install in a strategic location in Florida and all other benefits. The \$1m iLamp ILO units purchase counts against the note as amount paid which has a large and positive impact on your opening balance sheet in iLamp Florida. (see at the end of the document)

Stages



1. Reservation

Reserve the territory on ILOCX using the account of the potential licensee: <https://app.ilocx.com/territory>.

- Once this phase is complete the potential licensee has 12 months to trigger the territorial license or lose the option.
- If you have purchased 100,000 licenses in iLamp in the alternative offer then all these payments are considered paid.

2. Get Started

Once triggered the deposit needs to be paid in the case of Florida this totals \$300,000 this covers all costs to install a pilot scheme in the location chosen.

- This will include delivery and installation of an autonomous iLamp as a demonstration to land sales and mass installations.
- This also covers:
 - The costs to list iLamp Florida on the ILOCX for all upfront and first year listing fees.
 - This building and delivery of a website for Florida.
 - All media and images, all data and point of sale aids, email addresses, and this detailed report covering competition, USP's, market size, list of potential partners, HQ assistance for news and localized promotion of iLamp in the territory.

3. The Details

Once the option fee and deposit are paid a local legal entity needs to be formed to hold the license. This is formed by the potential licensee.

The Florida Opportunity

NextEra Energy, the parent company of Florida Power & Light Company (FPL), announced a company-wide goal, June 14 2022, to eliminate carbon emissions from its operations by 2045. NextEra calls the new goal “Real Zero,” and claims it’s the most ambitious carbon emissions reduction goal ever set by an energy producer – and one that would not require carbon offsets.

The goal is focused on the following plan:

- FPL plans to be 36% decarbonized by 2025 (using a 2005 emission baseline), 52% by 2030, 62% by 2035 and 83% by 2040, culminating in 100% decarbonization by no later than 2045. It plans to reach these interim targets through modernization of its generation fleet, which will consist of a mix of solar, battery storage, existing nuclear, green hydrogen, and other renewable sources.
- By 2045, FPL would significantly expand its solar capacity, increasing the amount of solar generation on FPL’s system from approximately 4,000 MW today to more than 90,000 MW.
- FPL’s plan is to add more than 50,000 MW of battery storage to its grid, up from 500 MW today.
- FPL would convert 16,000 MW of existing fossil gas units to run on green hydrogen. FPL states that the conversion of these units to green hydrogen is expected to be “cost-effective” for customers. By 2045 FPL’s plan includes 30 GW of excess solar, which it would use to produce approximately 500 million kilograms of green hydrogen through electrolysis.
- FPL will plan to generate up to 6,000 MW of carbon-neutral power with renewable natural gas, which would be equivalent to 2.4% of the volume of fossil gas presently used in FPL plants.

Florida Case Studies

FPL's smart street lighting program becoming one of the world's largest in 2015

Networking technology and management and control software connected and controlled 75,000 street lights.

FPL achieved the remote monitoring and control capabilities of the system to significantly improve street light restoration response times and enhance the quality of service. This initiative rolled out within the framework of an ongoing effort to modernize and network the nearly 500,000 street lights FPL maintains throughout the area.

The project was implemented in partnership with Philips and Ericsson. The lights were wirelessly interconnected via networking technology developed by the Silver Springs Networks.

Tampa Electric deploys Itron smart street lighting in coordination with streetlight replacements

As Tampa Electric Co. (TECO) sets out to replace street lights and convert their traditional lighting into modern LEDs for greater efficiency, they have also tapped Itron, Inc. to provide a smart street lighting solution.

That solution would allow the more than 260,000 smart photocells to be installed over the next five years to be able to communicate directly with the utility. That, in turn, would allow for a variety of smart city applications and a reduction of on-site presence needed. Street lights could be remotely controlled and outages immediately detected by the system.

The utility will be able to remotely control street light fixtures using advanced grid capabilities such as dynamic dimming.

Tampa Electric also has a foundation to enable distribution automation and smart city applications including air quality management or smart parking.

Florida Smart Traffic Systems

Miami-Dade drivers know first hand that traffic within the county can become a problem, as five minutes can easily turn into ten. What is left for them? Only stress and late appointments. Taking this into account, since March of this year a \$169 million smart traffic signals project was set into motion under the promise of reducing commute time by up to 15%.

Under the name Advanced Traffic Management System (ATMs), its main goal will be to replace the computer technology of the current traffic lights across the county, which dates back to the 1980s, with 2016 smart technology or D227 that will control traffic signals with an accuracy and detail never seen before.

Up until now, 340 smart signals have been placed across the county, of which about 16 have been located in Doral along 36th Street from 72nd Avenue all the way to the Turnpike.

The main value of this project is that drivers will be able to find many more green traffic lights along their ways. "The goal is always to try to have at least four or five straight green lights per trip. We want to stretch that out to 8 or 9 so that people reduce their commute times," says Frank Aira.

And what is behind this technology? Traffic signals have the ability to change and adjust approximately every two to three minutes based on actual traffic demand at the time with the help of traffic and vehicle detectors at intersections. This is known as Adaptive Signal Technology.

FDOT Commitments

As part of a public initiative to improve pedestrian safety, the Florida Department of Transportation deployed GRIDSMART computer vision and analytics technology in bustling East Orlando. The solution keeps an intelligent eye on crosswalk traffic flow and adjusts traffic signals to help keep pedestrians and cyclists out of harm's way at busy city intersections.

The signing of Governor DeSantis' Freedom First Budget in June 2022 made record investments in Florida's transportation infrastructure. The historic \$12.6 billion in funding for statewide transportation projects for FDOT's current five-year work plan reaffirmed Florida as an innovative leader in transportation. Strategic investments were emphasized, including \$4.4 billion for highway construction to include 180 new lane miles, \$1.2 billion in resurfacing to include 2,690 lane miles, \$236.6 million for bridge maintenance repairs and replacements, \$135.9 million in seaport infrastructure

enhancements, \$314.5 million for aviation improvements, \$867 million for rail and transit program advancements, and \$160.1 million for safety initiatives.

As a national leader in transportation innovation and technology, FDOT is committed to working together with communities and partners to plan for new and emerging technologies. From automation to electric vehicles, the Department is poised for the future of transportation. Reaffirming this sentiment and a focus on safety, FDOT unveiled a groundbreaking statewide lane closure notification system in August to enhance safety for drivers and roadway workers. The pilot Lane Closure Notification System (LCNS) will improve worker safety by alerting drivers about active work zones or lane closures, as well as aid motorists in navigating work zones safely, timely, and efficiently. With safety paramount to the mission of FDOT, the LCNS in Florida is the first of its kind in North America.

Air Quality Monitoring

Florida's statewide air quality monitoring network is operated by 19 state, local and private environmental programs. The air is monitored for carbon monoxide (CO), lead (Pb), nitrogen dioxide (NO₂), ozone (O₃), particulate matter (or particle pollution [PM₁₀ and PM_{2.5}]) and sulfur dioxide (SO₂).

Florida's Air Quality System (FLAQS) webpage provides up-to-date pollution data to the public. Nineteen different states, local and private air programs provide ambient air data to this system. They operate the state's ambient air monitoring network, routinely recording data 24 hours per day.

Ambient air is the air we breathe outside, near ground level. As ambient air quality changes, people respond in different ways. This site provides air quality information throughout the day to allow you to make better-informed decisions for daily activities.

The warning signs for Florida

Today, Florida has 3.5 million people at risk of coastal flooding. By 2050, an additional 1.1 million people are projected to be at risk due to sea level rise.

Rising temperatures also damage Florida's coral reefs, and the state could lose \$55 billion in reef tourism money by 2100. And with the second-longest coastline of all American states, Florida is especially vulnerable to rising sea levels. Tidal flooding from sea level rise has already cost Miami-Dade county \$500 million in lost real-estate value, according to a report from the United Nations' Intergovernmental Panel on Climate Change. Levels are rising at a rate of one inch every three years in Florida.

Florida expected to be hotbed for wildfires in early 2023

The ingredients are aligning for parts of Florida to be active for wildfires in 2023, despite two hurricanes making landfall in 2022, leading to torrential rainfall.

Outlooks recently released by the National Interagency Fire Center show the probability of above-normal wildfire potential to grow in the new year along the Interstate 10 corridor and include the northern Peninsula and Southwest coast in the spring.

The threat of active wildfire weather is also expected to expand northward along the I-95 corridor and impact the coastal plains of Georgia, South Carolina and North Carolina.

Agriculture

Florida is the leading national producer of citrus, sugarcane, and tomatoes, and agriculture adds billions of dollars to Florida's economy. Global warming will certainly lead to changes in where and how Florida's farmers grow crops. In some cases these changes may be beneficial and increase productivity. In others, they may be detrimental or become so over time as economic growing conditions are exceeded for certain crops.

In general, warmer temperatures will increase yields as long as maximum temperature thresholds are not exceeded. All other factors being equal, increased carbon dioxide levels in the air also results in higher crop yields, a process referred to as "carbon dioxide fertilization." At the same time,

Potential partners

changes in rainfall patterns and temperature may affect water availability and soil moisture, in some cases limiting crop growth.

The effects on agriculture will vary greatly by location, with the impact roughly varying according to the state's three primary climate zones. Warmer spring and summer temperatures may favor crop production in central and northwest Florida.

NextEra Energy

<https://www.nexteraenergy.com/>

NextEra Energy owns **Florida Power & Light Company, which is America's largest electric utility that sells more power than any other utility**, providing clean, affordable, reliable electricity to approximately 5.8 million customer accounts, or more than 12 million people across Florida.

Florida Power & Light (FPL)

<https://www.fpl.com/>

Florida Power & Light Company, the principal subsidiary of NextEra Energy Inc., is the largest power utility in Florida. It is a Juno Beach, Florida-based power utility company serving roughly 5 million customers and 11 million people in Florida.

Energy Authority, Inc.

<https://www3.teainc.org/>

TEA is a public power-owned, nonprofit corporation with offices in Jacksonville, Florida and Bellevue (Seattle), Washington. As a national portfolio management company, we evaluate challenges, manage risks and execute solutions to help our clients maximize the value of their assets and meet their goals in a cost effective manner.

Fort Pierce Utilities Authority

<https://fpu.com/>

Fort Pierce Utilities Authority (FPUA) is a local municipal or public power utility, and is owned by the citizens that we serve. Fort Pierce is one of more

than 2,000 communities in the United States served by a community-owned electric utility, and one of a very few who also provide water, wastewater, natural gas, and Internet services. FPUA's community investments keep money locally and decisions are always made at public meetings where everyone has a voice. Home town utilities, like FPUA, keep more money in the community because we work for you

Keys Energy Services

<https://www.keysenergy.com/>

Keys Energy Services (KEYS) is the public power utility for the Lower Florida Keys. Headquartered in Key West, Florida, KEYS provides electricity from Key West to the Seven-Mile Bridge and serves more than 30,000 customers.

The City of Key West purchased the electric utility in 1943 and the City Council created the Utility Board to oversee KEYS (then known as City Electric System before the utility's name was changed in 2002). In 1969, the Florida State Legislature passed a new enabling act for the governing of KEYS, which is still in effect today, and calls for the popular election of five Utility Board members serving four-year terms. Through the Utility Board, KEYS' customers have a say in their municipal electric utility.

Initially, KEYS only provided electric service to the City of Key West. In 1953, the utility expanded its service area to the Seven-Mile Bridge. In those early years, electricity was produced via local generation.

LCEC – Lee County Electric Cooperative

<https://www.lcec.net/>

LCEC is a not-for-profit electric distribution cooperative providing reliable and cost competitive electricity to nearly 210,000 customers in Southwest Florida. As part of a local business, LCEC's employees are deeply involved in economic development, education, the environment and building communities.

The organization operates with a keen eye on maintaining financial strength while providing quality service to customers. Annual key performance indicators, customer satisfaction surveys, employee engagement surveys and open communication opportunities ensure the organization is on track.

LCEC is one of the largest cooperatives in the United States and one of the largest employers in Lee County, Florida. Cooperative membership is open to all customers within the service territory

Liberty Power Corporation

<https://www.libertypowercorp.com/>

Liberty Power is the largest independent retail electric provider and 13th largest non-residential retailer in the United States based on the 2012 DNV KEMA *Retailer Landscape* report. In 2012, Liberty Power received the distinction of being the largest Hispanic-owned Energy Company in the U.S. and the 8th largest Hispanic owned company overall on the *Hispanic Business 500*. The company is also the first minority-owned, retail electric provider with a national footprint. Currently serving hundreds of thousands of accounts in 14 states, Liberty Power continues to provide low-cost electricity and exceptional customer service to its customers.

Peace River Electric Cooperative, Inc.

<https://www.preco.coop/>

Peace River Electric Cooperative (PRECO) is an electric distribution cooperative serving more than 50,000 homes and businesses in central Florida.

Counties Served

- Brevard
- DeSoto
- Hardee
- Highlands
- Hillsborough
- Indian River
- Manatee
- Osceola
- Polk
- Sarasota

Seminole Electric Cooperative, Inc.

<https://www.seminole-electric.com/>

Seminole Electric is a **not-for-profit electric cooperative** serving approxi-

mately 1.9 million consumers in 42 of Florida's 67 counties. We purchase power as well as own and operate power plants to serve our member cooperatives. Learn More About Us. 1.9 Million. Consumers in 42 of Florida's 67 Counties.

SoEnergy

<https://www.soenergy.com/>

SoEnergy, a power generation engineering and services company, has spent the last two decades deploying power solutions in some of the world's toughest operating environments. We leverage our Power-as-a-Service model to optimize our customers' kWh without the burden of costly CapEx. We enhance productivity and fuel efficiency. But above all else, we simplify complex power solutions with expertise that only boots on the ground can hone.

At SoEnergy, engineering is our hallmark, and flexibility is in our DNA. By remaining technology- and fuel-agnostic, we're positioned to optimize your fuel efficiency and carbon footprint regardless of your production specifications or challenges.

Withlacoochee River Electric Cooperative, Inc.

<https://wrec.net/>

Seminole Electric Cooperative, headquartered in Tampa, is your Cooperative's wholesale energy supplier. Seminole is also a not-for-profit Cooperative returning margins to your Cooperative.

Seminole Electric is owned by your Cooperative and eight other electric distribution cooperatives located from the Georgia border to the Everglades. These distribution Cooperatives provide power to more than 1.7 million individuals and businesses across the state through nearly 800,000 meters in 42 counties.

Seminole operates power production facilities and negotiates short and long term energy contracts with other power producers and marketers. It also owns and operates transmission facilities that connect Seminole's system to Florida's electrical transmission system.

Further potential contacts

SunVena Solar LLC

Tampa, FL
+1 407 553 9584
sunvena.com

Solar Energy World

Tampa, FL
+1 866 856 4580
solarenergyworld.com

Affordable Solar Roof & Air

Clearwater, FL
+1 800 515 1254
solarroofair.com

Solar Bear

Largo, FL
+1 866 928 4210
solarbear.com

Efficient Home Services

St. Petersburg, FL
+1 844 778 8810
goehs.com

PPM Solar

Gainesville, FL
+1 866 828 3337
ppm.solar

A1A Solar Contracting, Inc

Jacksonville, FL
+1 904 468 7861
a1asolar.com

Prosolar Systems LLC

Orlando, FL
+1 954 289 2672
prosolarflorida.com

Sunpower by Freedom Solar Power

Orlando, FL
+1 800 504 2337
freedomsolarpower.com

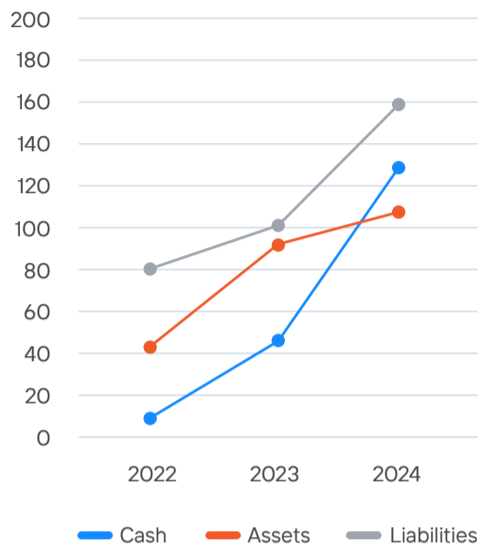
PES Solar

Longwood, FL
+1 800 650 651
prosolar.com

ION Solar

Orlando, FL
+1 855 208 5625
ionsolar.com

Financials



Balance Sheet

Company name, iLamp Florida Inc

Dec, 31, 202X

Assets

Current Assets

Cash	7,314	-392,686
Accounts receivable		
Inventory	5,560	5,560
Prepaid expenses		
Short-term investments		

Total current assets	12,874	-387,126
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Fixed (Long-Term) Assets

Long-term investment	2,310	102,310
Property, plant and equipment	14,442	14,442
(Less accumulated depreciation)	-2,200	-2,200
Intangible assets		20,000,000

Total fixed assets	14,552	20,114,552
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Other Assets

Deferred income tax		0
Other		0

Total other assets	0	0
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Total Assets	27,426	19,727,426
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Liabilities and Owner's Equity

Current Liabilities

Accounts payable	9060	9,060
Short-term loans		0
Income taxes payable	3349	3,349
Accrued salaries and wages		0
Unearned revenue		0
Current portion of long-term debt		0

Total current assets	12,409	12,409
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Long-Term Liabilities

Long-term debt	3450	19,703,450
Deferred income tax		
Other		

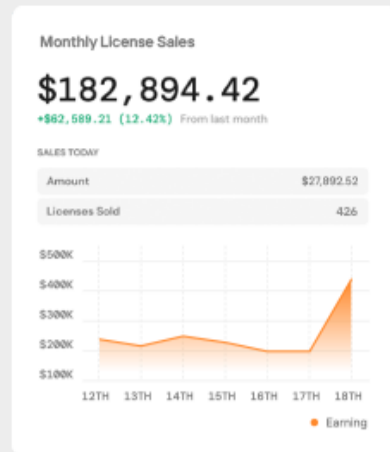
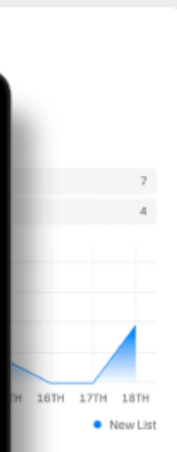
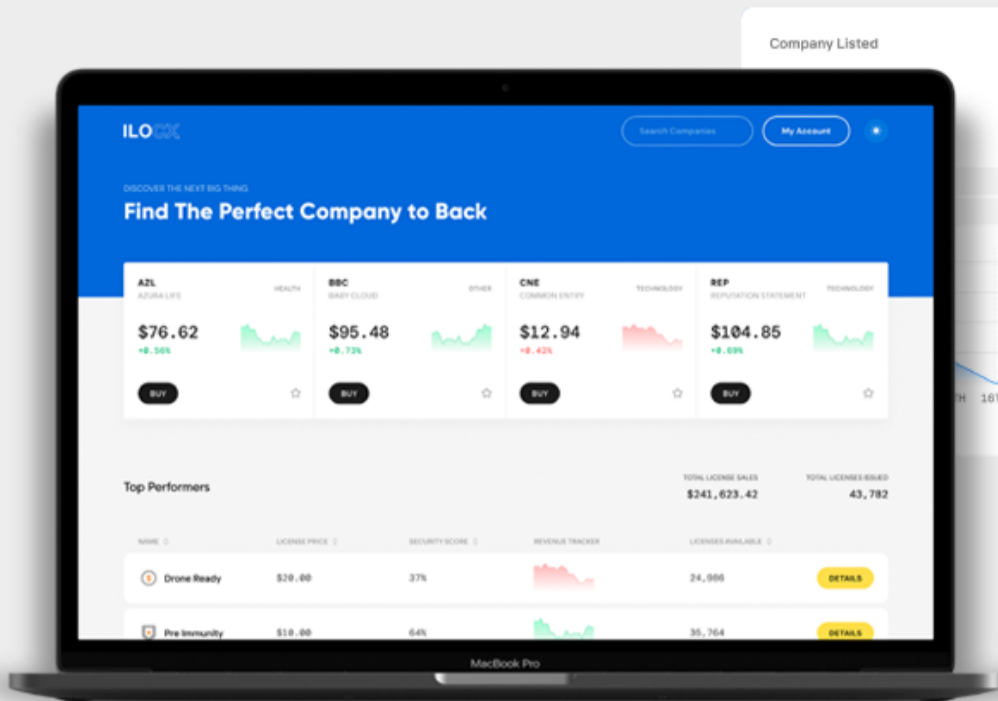
Total fixed assets	3,450	19,703,450
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Owner's Equity

Owner's investment	6000	6,000
Retained earnings	5567	5,567
Other		

Total owner's equity	11,567	11,567
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Total Liabilities and Owner's Equity	27,426	19,727,426
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Your ILO listing

List using the ILO Framework to raise money to finance your exclusive iLamp license while building local support and an online sales team to drive pre-sales.



RAISE MONEY AS YOU NEED IT

Get access to the funds you need, as you need them, smoothing your fundraising process.



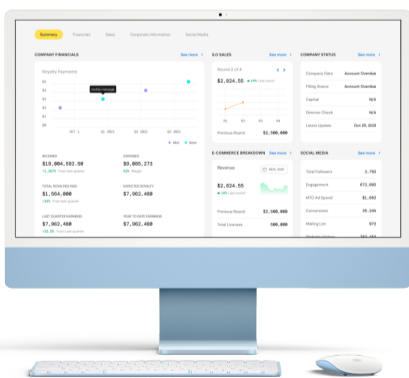
BUILD A TEAM

ILOCX framework helps companies to build effective teams that are properly rewarded.



REWARD PARTICIPATION

Incentivize buyers with ILOCX rewards, your own affiliate program, and license classes.



Listing Requirements

iLamp licenses are prequalified to list and receive an ILO instance and will be priority listed through our streamlined process with a dedicated listing manager.

Listing fees for iLamp licenses are waived for the first year, then only \$25,000 per year.

Listings with over \$1 million in sales are listed on the board at ILOCX.com.

100+
Total companies listed

Millions
Total licenses issued

10X
Returns already booked