

The Past, Present and Future of Cleantech



LUMENA
ENERGY™

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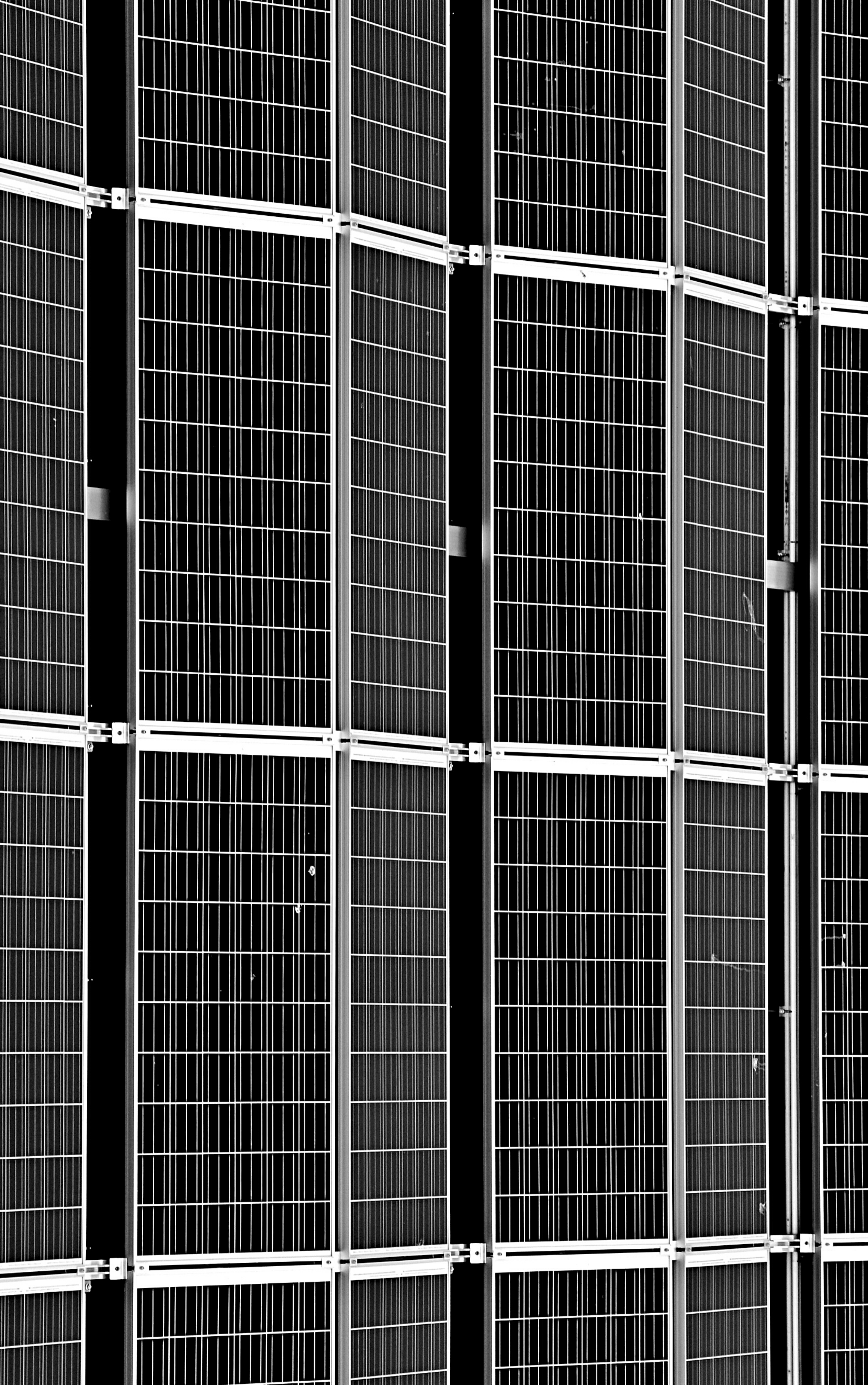
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01

About Us



About Us

Lumena Energy is the largest black-owned cleantech enabler in the Midwest, and soon America. With the core of our business revolving around virtual power plant implementation.

Our journey started in 2019 wherein we launched at the **Google Headquarters**. We most recently incorporated in September of 2020. We developed our tech company with a much larger mission in mind--solve the global energy crisis.



Lumena Energy has designed an **Energy Management System** to work in tandem with our hardware which will convert any standing structure to a node on our network, allowing the user to store and sell unused energy back to their grid, making the entire system more robust.

02

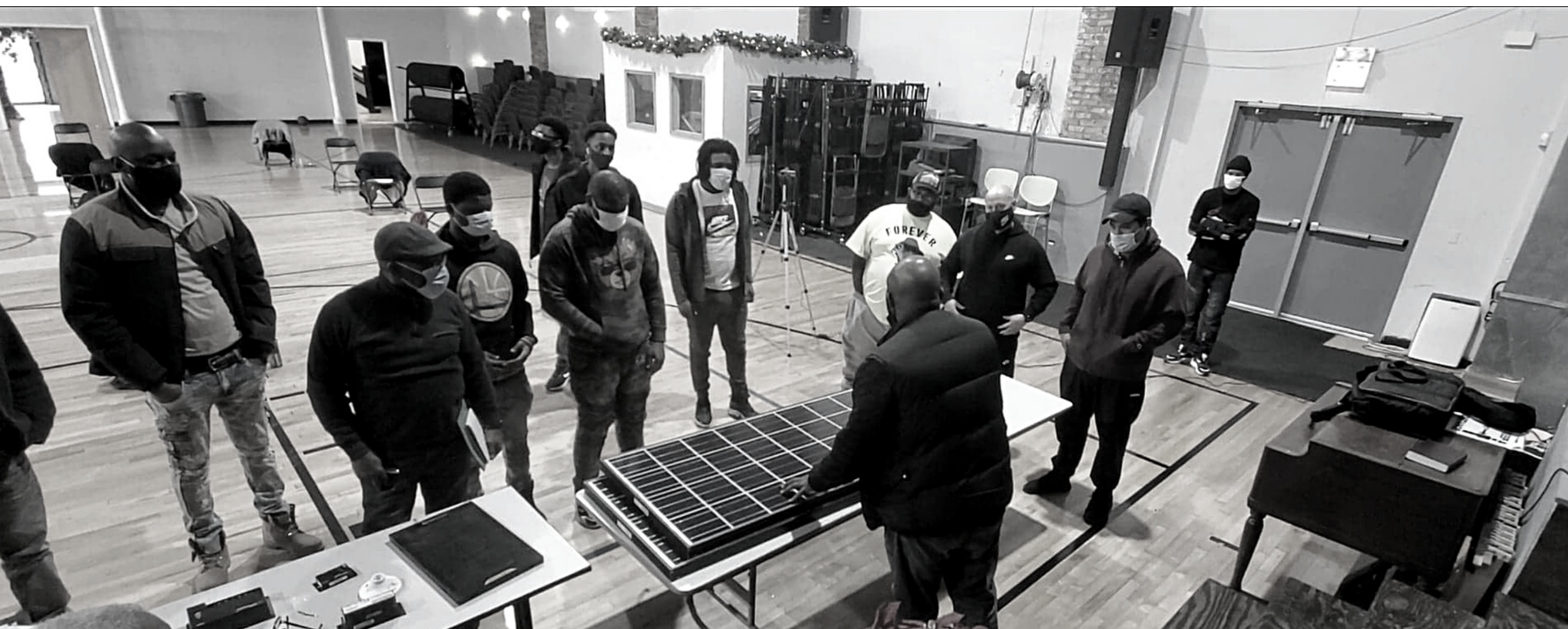
Our Why



Our Why

On an extended backpacking trip across sub-Saharan Africa and Southeast Asia, our founder David Jones recognized an unmistakable pattern in developing countries--those without adequate power ultimately exhibited the same disparities: High crime rates, subpar education system, and ultimately a low quality of life. He dedicated the next 6 years toward educating himself and crafting a solution.

Our team has a combined 80 years of experience across a wide range of concentrations. We each have an unequivocal passion for fostering true change in the renewable energy sector.



Realizing the detrimental impact on billions of people, our founder began to craft a solution-one that would both scale and be cost effective for the consumer.

We have taken on the monumental task of pioneering a new technology that will be used for centuries to come, and ultimately change the fate of humanity.

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03

Road To B Corp.
Status



Road To B Corp Status

An all too common practice among corporations is to shirk responsibility for the global tax they take on our earth.

Polluting our oceans with textile, choking landfills with unrecyclables which uproots local ecology.

Eschewing the toll taken on our global ecosystem in trade for profit is quite possibly the worst experiment humankind has ever attempted.

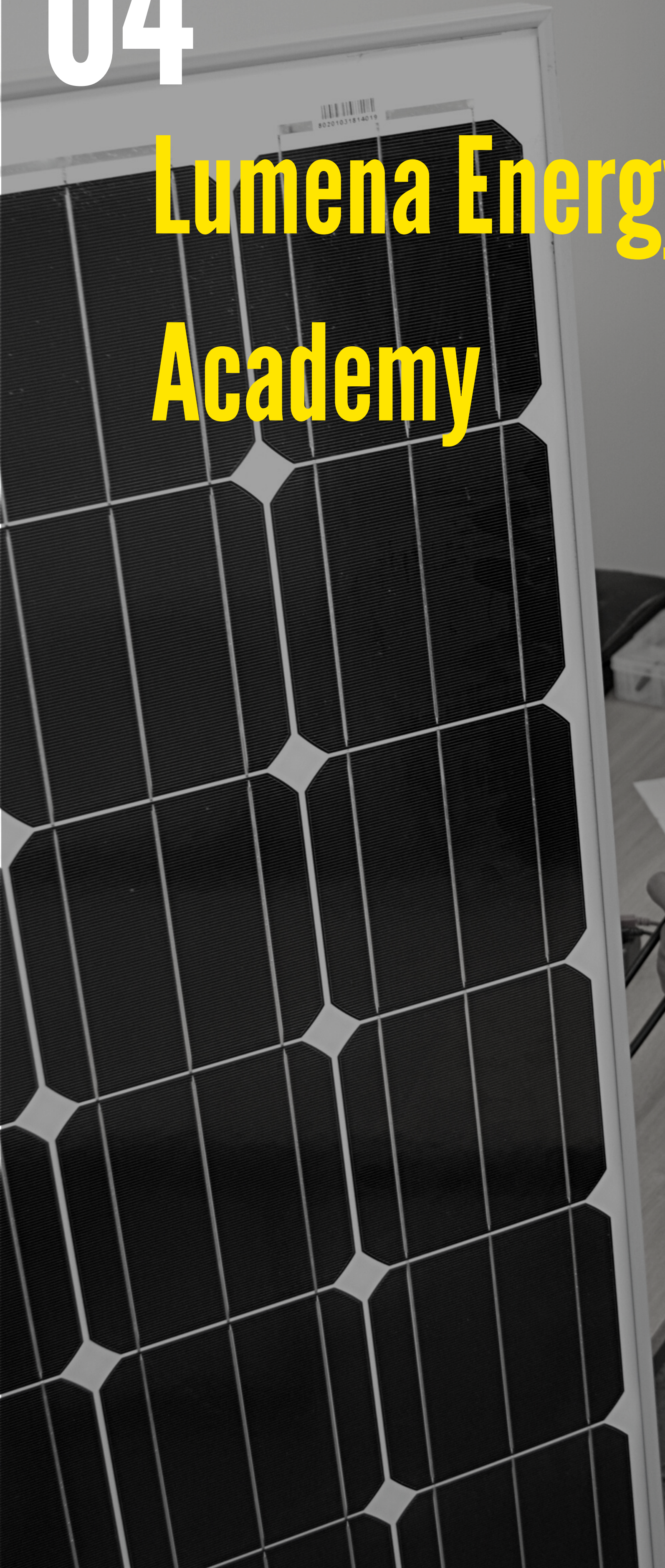
It is greed and selfishness which has lead us inexorably to this point of no return. One thing is for sure, regardless when the carbon tax is paid, one way or another--it will come due.

Baked into our ethos is the fervent mission of not just preserving but **promoting new growth** within our ecosystem as well as throughout the cosmos. As humanity expands outward and becomes a spacefaring civilization, our carbon footprint will trail us wherever we go. We can do better, we will be better. This is why we pursue **B Corp status** for our organization, we take this pledge with so many other for-profit organizations to be able to generate revenue, but in a sustainable way. Upward toward a just and sustainable planet.



04

Lumena Energy Academy



LUMENA
ENERGY™
ACADEMY

Lumena Energy Academy

"The solar industry has been one of America's leading job creators over the past decade, as evidenced by National Solar Jobs Census."

-Andrea Luecke President The Solar Foundation

Our federally funded, industry accredited workforce development program was designed with the intent of accelerating job readiness for Black and Brown communities globally.

Economic Impact

Solar jobs increased in 31 states in 2019, and growth well outpaced the national average in many emerging solar markets. The states with the most jobs added in 2019 were Florida, Georgia, Utah, New York, Texas, Illinois and Virginia.

Job Creation

Lumena Energy aims to create 200+ solar tech and IT jobs over the next 2 years for underdeveloped communities, which translates to millions of dollars pumped into local economies annually.

Track Program

Each student starts with our standard PV101 program, then has the option to choose several other focused career tracks in Solar Installation, Solar Sales Rep, Virtual Power Plant Technician etc.

05

**Community
Involvement**



Community Involvement

Many of the jobs of the future have not yet been created, however, the acceleration of automation has led to the loss of millions of jobs. Global atrocities such as the COVID-19 pandemic has only exacerbated the process. This could be viewed positively, there is a large population of jobless people looking to make a career change and **there is an abundance of new issues that need to be addressed.** This is where we come in.

We at Lumena Energy have designed a robust workforce development program supported by community partners such as **IBM, United Airlines,** and **ComEd.** Each one of our cohorts trains oftentimes unskilled workers in new roles.

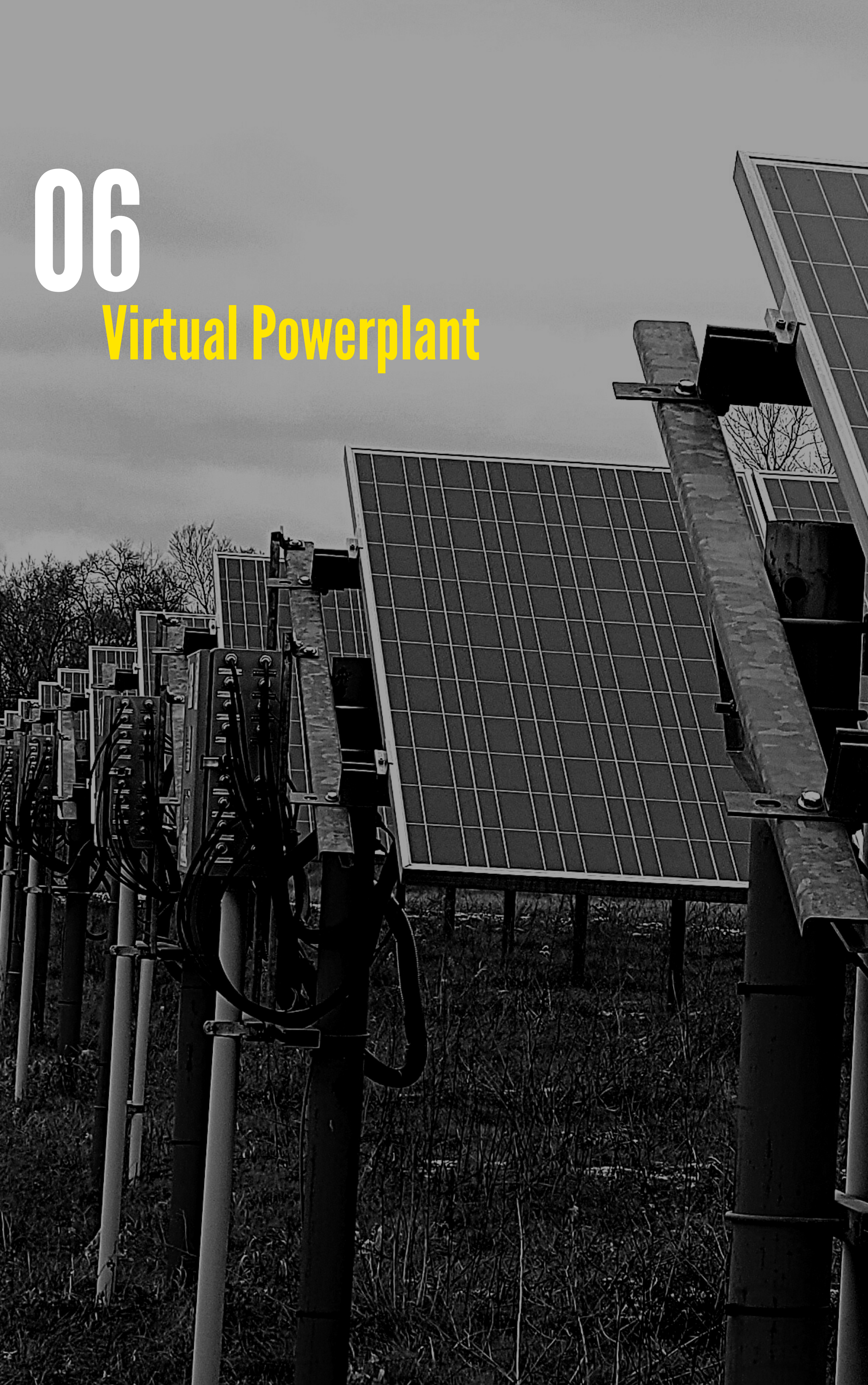
Using our proprietary Learning Management System alongside a team of seasoned engineers our students are able to receive in-person and socially distanced job training.

One of our more ambitious trainings is the **Virtual Power Plant Technician** program which is a hybrid of Electrical Engineering, Software Programming, Network Diagnosis and Data Science.

This particular occupation will enable the management of the smart city grid. Job creation for the 21st century means pivoting away from certain service-based jobs and looking toward what future needs will call for.

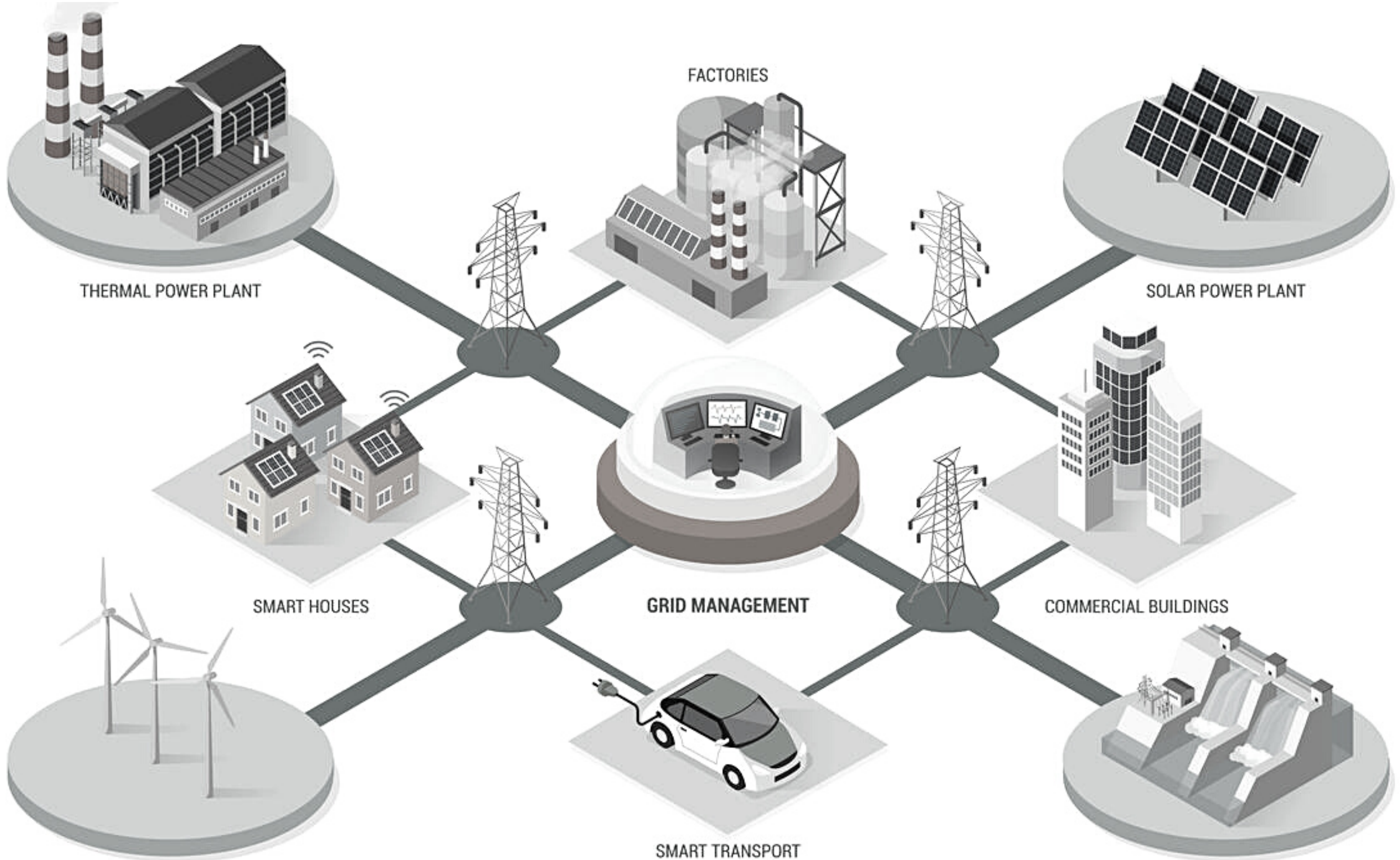
06

Virtual Powerplant



What Is A Virtual Power Plant?

In short, a virtual power plant could be any number of standing structures that produce their own power, which is connected via the Cloud to other properties with the help of transmission lines.



Lumena's growing energy portfolio is aggregated into a compendium of various indexes and data feeds for various customers and industries. Providing realtime feedback on datapoints that currently do not exist. Downloadable annual energy reports by geographic region.

Lumena tracks behavioral and emperical energy consumer datapoints which is then sold to NGO's, private interests and governmental organizations for accurate analytical trends. Global Community Safety Renewable energy brings safer, comprehensive global community standards. Solar is only the beginning, we will expand into other forms of renewable energy to become the preminent supplier of cleantech software and hardware.



07

Global Community Safety

Global Community Safety

Global catastrophies such as natural disasters, war, famine and pandemics are inevitable. Events such as hurricanes can decimate entire regions leaving **millions of people** without power--this of course includes hospitals.

Lumena Energy aims to partner with the Department of Defense and NGO's such as **FEMA** and **The Red Cross**. We will leverage these partnerships to become **first responders**. Our technology will enable **rapid deployment** to set up a virtual power plant or microgrid in a matter of days, restoring, managing and distributing power to where it's needed most.

More than **6.52 billion people** or 85% of the world currently live without reliable power. With grids held together with duct tape and bubble gum, this contributes to an average household only receiving no more than 4 hours of consistent power per day.

Our mission is to power one billion households by **2031**.

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08



eMPOWER: Solar City Initiative

Ensuring the sustainability of our global community means architecting systems to accommodate the growing rate of energy consumption. We propose achieving this by converting entire cities into beacons of renewable energy; this is our first step toward smart city architecture.

We call this initiative EmPower, which educates from an early age, then creates internship opportunities followed by training and eventually employment thus creating a smart city cycle.

Systemic changes call for systemic strategies, which is achieved first through education and propagated by citizens that would gladly evangelize.



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09

Workforce Development



Workforce Development

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10

Disaster Relief Pledge




Disaster Relief Pledge

At Lumena Energy, our pledge is simple. Wherever a family is awake at night figuring out 'What Now' after a severe hurricane destroys their entire grid system. **We'll be there.**

Or a war leads to a hospital being forced to run on backup generators. We'll be there.



We will work tirelessly to provide a global safety net for our brothers and sisters in their darkest hour, we will be that beacon of hope for a distraught people.



11

R&D Facility

R&D Facility

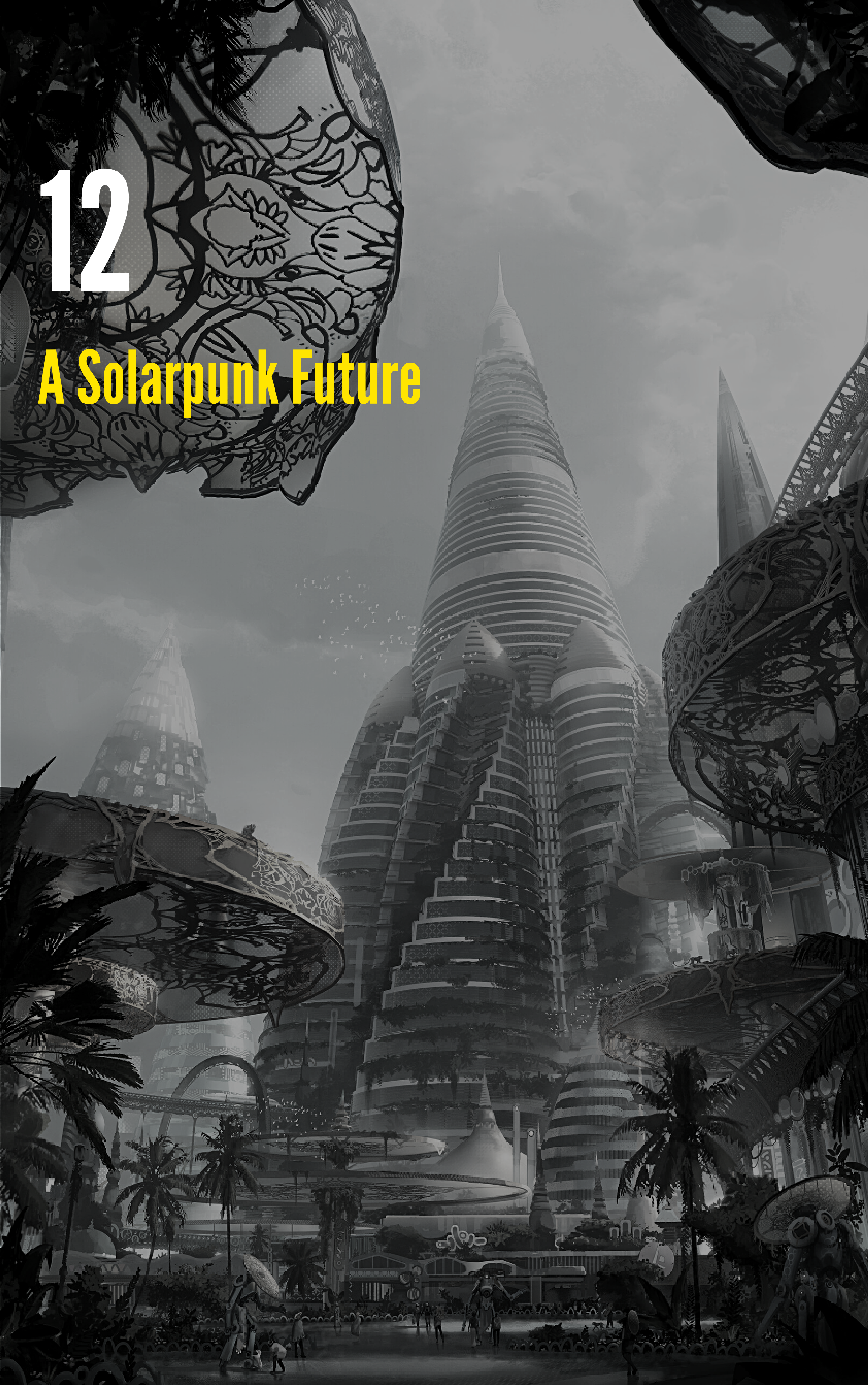
Research & Development is a key resource in any industry, being able to allocate workforce dollars toward the creation and iteration of new tech and methodologies will spur growth and naturally generate hundreds of new jobs in the process.

Lumena Energy intends to build our very own R&D facility spanning the concentrations of **Photonics, 3D Printing, Software Development** and various other forms of cleantech.

We will also have dedicated lab stations for our students or as well call them 'Lumenites' to use during their educational experience.

12

A Solarpunk Future



A Solarpunk Future

The abstract idea of Solarpunk may seem like a utopian future, but it doesn't have to be. Humanity is perfectly capable of converting our cities into contemporary marvels that are 100% carbon negative. The advent of a city that naturally combats pollution and climate change is a no-brainer.

Solarpunk is a truly fascinating movement that encompasses not only architecture but permeates the very fabric of society down to fashion and culture.

We at Lumena Energy believe that the technology and subsequent education we offer will help manifest this vision. Imagine a world where nature is not only encouraged but is woven into the very fabric of society again. Plants have the natural ability to convert carbon dioxide to oxygen, nature working in tandem with machinery is certainly a future worth fighting for.



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