NEXA
GreenTech GmbH

SEPTEMBER 2024

# GREEN PAPER

Welcome to the future of green energy.

Presented To
**ANYONE WHO WANTS TO BRING CHANGE!**

Presented by
**NEXA**

# EXECUTIVE SUMMARY

In 2015, 193 countries ratified the **Paris Agreement** to strengthen global efforts against climate change, with the focus on reducing energy-related greenhouse gas emissions. Recent events, such as the war in Ukraine, have further highlighted the need for energy transition, causing a surge in fossil fuel prices and disrupting global supply chains already strained by the pandemic. In response, the EU has increased its renewable energy target to **45% by 2030**, emphasizing the urgency for alternatives like solar, wind, and decentralized energy.

NEXA's decentralized energy system addresses these challenges by creating resilient, sustainable energy solutions that reduce reliance on vulnerable centralized systems.

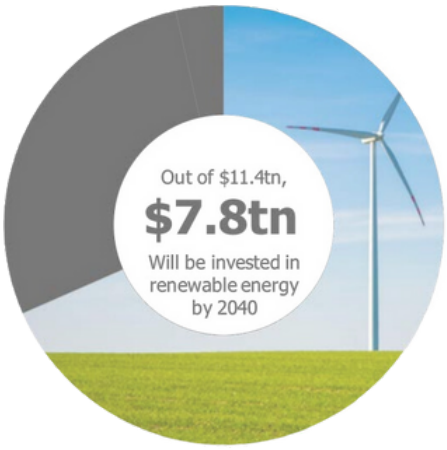
In a world fraught with energy uncertainties, traditional centralized systems are proving inadequate. NEXA envisions a transformative shift towards **decentralized, community-driven energy solutions.** By leveraging blockchain and **Distributed Ledger Technology (DLT)**, we aim to empower local communities to take control of their energy future.

Our approach begins with thorough site evaluations to ensure financial viability and regulatory compliance. Through smart financing and shared ownership models, local businesses can invest in these projects, benefiting from direct returns without impacting their corporate debt. Our expertise in seamless installation and advanced monitoring ensures efficiency and transparency, while **Virtual Power Plants (VPPs)** balance energy supply and demand across decentralized networks.

NEXA's mission goes beyond energy production; we focus on creating lasting value for communities. By integrating innovative business models and fostering local economic growth, we ensure that our projects contribute to both sustainability and prosperity. As we lead the charge in this new energy paradigm, we invite you to join us in building a future where energy is a shared resource that empowers and enriches communities.

# MISSION AND VISION

In today's world, the stability of energy supply is more critical than ever. Geopolitical tensions, global supply chain disruptions, and the escalating climate crisis have exposed the vulnerabilities of traditional, centralized energy systems. These systems, heavily reliant on fossil fuels, are reaching their limits—causing not only environmental damage but also economic and social uncertainties.



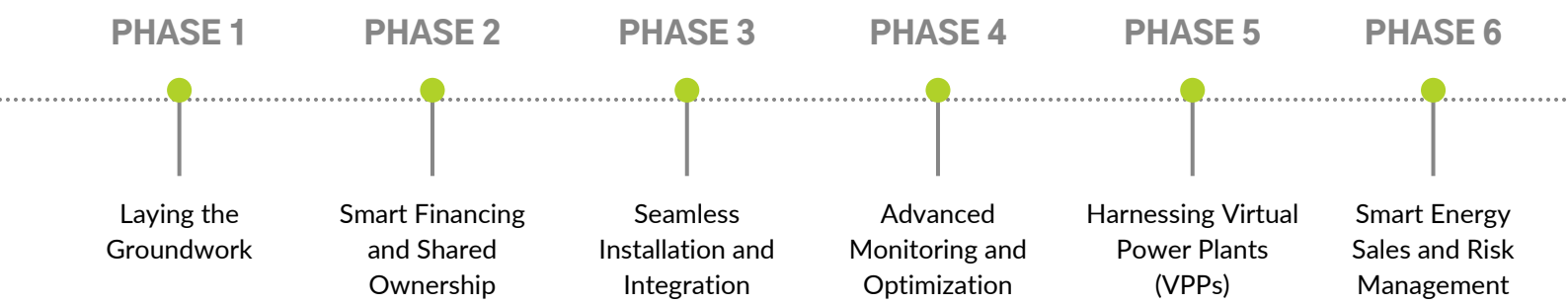

## MISSION

Our mission is to transform how energy is produced, managed, and consumed by building decentralized energy plants that serve local communities directly. By harnessing the power of blockchain technology, Distributed Ledger Technology (DLT), and Virtual Power Plants (VPPs), we are paving the way for a more resilient and sustainable energy future.

## VISION

Our vision is simple yet profound: to enable communities to take control of their energy supply and ensure their own prosperity. By establishing decentralized energy plants as a platform model, we will provide local communities with reliable and sustainable energy without the need for individual photovoltaic (PV) or similar installations.

# BUILDING THE FOUNDATION FOR DECENTRALIZED ENERGY




## PHASE 1

Every project begins with a thorough evaluation of potential sites. We assess financial viability, regulatory compliance, and community needs to ensure that our projects are grounded in local realities and geared for success.

## PHASE 2

Our platform with underlying smart contracts enables us to create boderless opportunities for local businesses to invest in decentralized energy projects. This shared ownership model allows businesses to benefit from the energy produced, receiving direct returns through feed-in tariffs.

## PHASE 3

With our expertise in renewable energy, we ensure that installations are executed swiftly and efficiently. Partnering with local installers, we integrate PV systems and other renewable energy sources into the existing landscape, minimizing disruption and maximizing community involvement.

## PHASE 4

To maintain the efficiency and longevity of our energy plants, we implement digital Monitoring, Reporting, and Verification (MRV) systems. These systems provide real-time data on energy production and CO2 offset performance, ensuring transparency and optimizing operations. This digital oversight is crucial for building trust and demonstrating the value of decentralized energy solutions.

## PHASE 5

By integrating Virtual Power Plant technology, we introduce decentralized energy resources into a flexible and dynamic network. VPPs allow us to balance supply and demand effectively, optimize energy distribution, and ensure that even in times of high demand, energy supply remains reliable and secure.

## PHASE 6

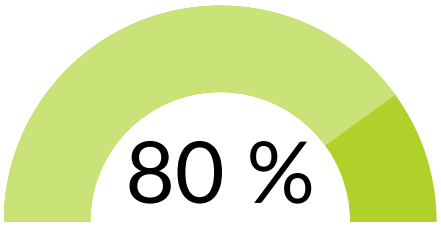
Our direct connections to energy marketplaces enable us to sell energy as soon as contracts are signed. Utilizing power purchase agreements (PPAs) and other market mechanisms, we manage risk effectively, ensuring that both investors and community members receive the maximum possible return on investment.

# COMMUNITY PROSPERITY THROUGH ENERGY AUTONOMY

A Shared Ethos

## INCREASE EFFICIENCY

Blockchain Technology will decrease OPEX by 60-80%.




## PASSIVE INCOME

Additional revenue streams are created for both asset owners and investors. Owners receive compensation for offering assets while investors collect a return on those assets.

## DECENTRALIZATION

By utilizing local green energy supply, customers have the chance for a diverse offering, while opening market.

## INCENTIVATION

Owners, investors and end users are incentivized for sustainable behavior and actions. Businesses especially are incentivized as it does not effect capex and financial statements.

Our approach is not just about generating energy; it's about creating value for communities. By integrating innovative business models, such as local agricultural production, EV charging stations, and temporary uses like Bitcoin mining, we ensure that every aspect of our energy projects contributes to local economic growth. We believe in a shared ethos where communities prosper, taking control of their energy resources, and reducing operating costs while enhancing sustainability - and this with fractional ownership and making citizens and corporations active users of the energy infrastructure.

NEXA is at the forefront of a new energy paradigm. As we face unprecedented global challenges, decentralized, community-based energy solutions provide a sustainable and resilient alternative to traditional models. By empowering communities to manage and benefit from their energy supply, we are not just creating energy solutions—we are building the foundation for a sustainable, prosperous future. Together, we can create a world where energy is more than a commodity; it is a shared resource that empowers communities, supports sustainability, and drives prosperity.

# ABOUT NEXA

NEXA is a forward-thinking energy company committed to disrupting the way communities generate, manage, and consume energy. We specialize in building decentralized energy systems that empower local communities, businesses, and industries to take control of their energy supply. Our mission is to drive the energy transition by offering sustainable, innovative solutions that prioritize efficiency, autonomy, and resilience.

## Organization and Management

MANAGEMENT

**Laurin Krämer**
CTO

**Mudabbir Khawaja**
CEO

**Kyra Anderle**
CFO

CONSTRUCTION

**Moritz Stahl**
COO

**Maxim Folomeschin**
CCO

ADVISORY BOARD

**Michael Geike**
FINANCE

**Prof. Dr. Guido Willems**
STATISTICS

**Moritz Stumpf**
TOKENISATION

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