



NANOLITE GROUP OF COMPANIES

CORPORATE PROFILE

United States Vol 3.1

SINCE 2010

Introduction

Nanolite Group of Companies is a global leader in construction innovation, proudly advancing the next generation of sustainable building technologies. With our core expertise in Cellular Lightweight Concrete (CLC) and precast solutions, we have developed a robust portfolio that addresses modern construction challenges—combining strength, speed, and sustainability like never before. Operating across the United States, Middle East, and Asia, Nanolite is more than just a material supplier—we are a full-scale engineering and R&D powerhouse offering turnkey solutions for smart cities, real estate development, BIM-integrated design, and high-performance construction materials.

Our Heritage and Expertise

Nanolite's foundation is rooted in relentless innovation, deep research, and a passion for reimagining the way the world builds. Our journey began over a decade ago in Pakistan, where our R&D team pioneered CLC formulations tailored to the harshest environments. Over the years, through continuous testing, ASTM/ACI compliance, and global field trials, we perfected over 250 specialized mixes—each designed to serve a specific structural or environmental need.



Nanolite Executive Board

The success and vision of the Nanolite Group of Companies are led by a distinguished executive board, composed of industry leaders who bring deep expertise, innovation, and global foresight to every level of the organization. This dynamic team is the driving force behind Nanolite's rise as a leader in sustainable construction materials and modern engineering solutions. At the top of our leadership sits **Mr. Malik Mehmood, the Chairman** of Nanolite Group. A highly respected figure in both the construction and real estate sectors, Mr. Mehmood brings decades of strategic insight, governance, and entrepreneurial acumen. Under his chairmanship, Nanolite has built strong foundations of integrity, long-term vision, and financial stability—steering the group's expansion across continents while maintaining its core values of quality and innovation.

Our **CEO, Mr. Muhammad Momen**, is the visionary founder and technical force behind Nanolite's innovations in Cellular Lightweight Concrete (CLC). With a decade of experience in R&D and standards compliance (ASTM, ACI, LEED), he has led the development of over 250 advanced concrete formulations and has successfully positioned Nanolite across the USA, UAE, and Pakistan. His work in sustainable construction and material science has redefined efficiency, strength, and cost-savings in modern building projects. **Mr. Ghulam Mustafa, Executive Director for the UAE**, oversees operations across the UAE. With a deep understanding of the Gulf's fast-evolving infrastructure landscape, he has been instrumental in introducing Nanolite's CLC blocks and ready-mix solutions to large-scale projects, urban developments, and municipal contracts across the region. **Ms. Fariha Zia, Director of Engineering Operations**, leads the technical divisions including compliance, design optimization, and engineering innovation. Her expertise ensures that every Nanolite product meets international standards and seamlessly integrates into large-scale construction projects involving prefabrication, HVAC, MEP, and BIM systems. Heading the mineral and raw material division is **Mr. Sarwar, along with Mr. Waheed**, who oversee NanoMines Corp—Nanolite's mineral export arm. Their leadership has enabled the group to establish a stronghold in sustainable global impact.

Meet Our Team

At Nanolite Group of Companies, our strength lies in the dedication, innovation, and expertise of our diverse team. From research labs to field operations, every individual plays a crucial role in driving our mission forward.

Christoph Schimpke leads the charge in digitizing and automating operations, ensuring we stay ahead in productivity and scalable growth. Jake Batchelder, our Chief Technical Officer based at our New York headquarters, brings a wealth of technical acumen, steering the advancement of CLC and construction tech solutions. Jacqueline Yashayev, a Licensed Associate Consultant with backgrounds in MA, NCC, and LAC, brings unmatched insight into client engagement and strategic development.

Supporting them is a strong cohort of emerging leaders and experts. Ayesha Farooq, our Materials Innovation Analyst, continues to refine the performance of our ready-mix formulas with precision. Haris Elahi, Head of Regional Project Coordination, ensures seamless execution across all Nanolite franchise territories. Sarah Chen, with a background in civil engineering and smart city integration, leads our Smart Infrastructure Lab. Meanwhile, Rohan Desai focuses on global supplier partnerships, strengthening our international procurement network. Together, this dynamic team reflects Nanolite's commitment to progress, quality, and pushing the boundaries of sustainable construction.



Jacqueline Yashayev

Licensed Associate Consultant,
MA, NCC, LAC, Newyork. USA



Christoph Schimpke

Chief Automation Officer at HQ Nanolite
Queens, Newyork, USA



Jake Batchelder

Chief Techinal Officer at HQ Nanolite
Queens, Newyork, USA



NANOLITE GROUP FLAGSHIP PRODUCT – CLC LIGHT WEIGHT CONCRETE

Nanolite CLC (Cellular Lightweight Concrete) blocks and panels represent the pinnacle of modern construction materials, blending innovation with efficiency. Our CLC blocks are designed with a lightweight yet robust structure that significantly enhances building performance. These blocks are engineered for **superior thermal insulation**, with a thermal conductivity rating of just 0.09 W/mK, ensuring that buildings stay comfortable year-round while reducing energy costs.

In addition to their excellent thermal properties, Nanolite CLC blocks are also highly valued for their lightweight nature. This feature not only **reduces the dead load** on structures, allowing for the use of **fewer reinforcement bars (rebars)**, but also facilitates **easier handling and quicker installation**. The reduced weight contributes to overall cost savings by minimizing labor and transportation expenses.

Our CLC panels extend these benefits to larger-scale applications, providing a versatile solution for walls, partitions, and other structural elements. They offer the same **lightweight** advantages as our blocks, combined with the added convenience of larger surface areas that speed up construction. Both blocks and panels are manufactured using advanced, patent-pending techniques in our state-of-the-art facilities, ensuring consistent quality and performance. With Nanolite CLC blocks and panels, you're investing in a product that supports sustainable building practices while delivering exceptional performance and cost-efficiency.



NANOLITE MACHINERY & FRANCHISE SYSTEM – POWERING CONSTRUCTION & PRECISION

Nanolite CLC Mix 500L/5min Plant

The Nanolite 500L/5min plant is perfect for medium-scale projects, providing a production capacity of 500 liters per 5 minutes. This plant is equipped with advanced mixing technology, ensuring consistency in every batch.



Nanolite CLC Mix 1000L/5min Plant

The Nanolite 1000L/5min plant caters to larger-scale projects, with a capacity of 1000 liters per 5 minutes. This plant is ideal for construction firms handling extensive projects, offering high-speed production without compromising the quality of the mix.



Nanolite CLC Batching Plant

For even larger construction projects, our Nanolite CLC Batching Plant offers exceptional production capacity and scalability. Designed for high-volume CLC production, the batching plant allows for automated material feeding, weighing, and mixing, ensuring precision in every batch.



Nanolite CLC Regional Franchise – Global

Nanolite offers an exciting CLC Franchise System for entrepreneurs and investors looking to enter the lightweight concrete industry. Our franchise model allows partners to benefit from our proven technology, industry expertise, and established brand.



Nanolite Robust Franchise Model

Nanolite operates under a robust business model centered around our core products, which include Cellular Lightweight Concrete (CLC) blocks, lightweight concrete panels, and related manufacturing machinery. We offer a range of customizable solutions tailored to specific client needs, including variations in block size, PSI, thermal insulation, and weight. Our manufacturing process utilizes cutting-edge technology and in-house machinery to ensure the highest quality and consistency in our products. We cater to various sectors within the construction industry, providing eco-friendly and cost-effective solutions that adhere to industry standards. Our commitment to excellence is further demonstrated by our adherence to ASTM and ACI guidelines, which ensures that our products meet rigorous quality benchmarks.

The Return on Investment (ROI) for a Nanolite franchise is highly favorable, thanks to our established brand reputation, proven business model, and high-demand products. Franchisees benefit from a well-supported operational framework, including comprehensive training and ongoing assistance, which minimizes risk and enhances financial performance. Our efficient production processes ensure lower operational costs, leading to higher profit margins and a quicker return on the initial investment. With the backing of Nanolite's expertise and market presence, franchisees can expect a solid and rewarding ROI.

FRANCHISE ROI CHART



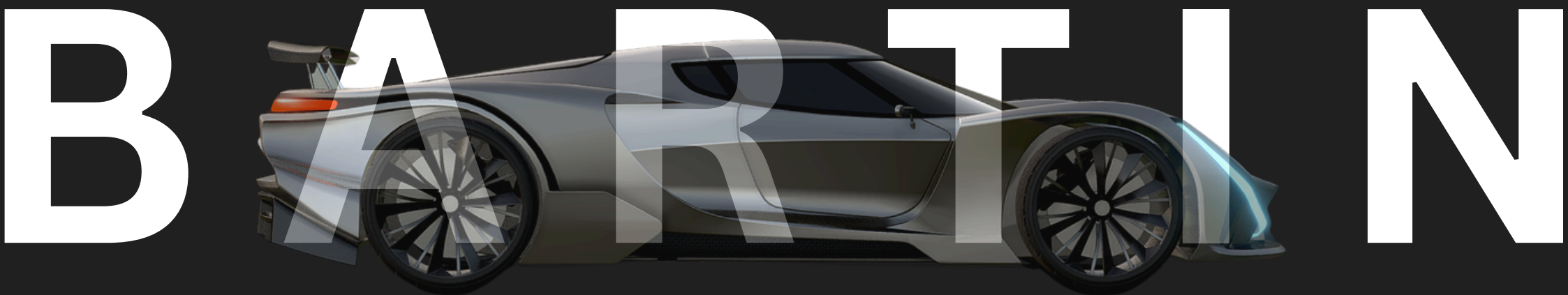


NANOAIR – ELEVATING THE FUTURE WITH ZIP FLIGHTS

NanoAir, a pioneering division of the Nanolite Group of Companies, is redefining regional air mobility through its innovative partnership with Zip Flights. Focused on creating efficient, eco-friendly, and technology-driven air travel solutions, NanoAir brings advanced aerodynamics, lightweight materials, and engineering precision to short-distance aviation. Our collaboration with Zip Flights aims to make air travel more accessible, affordable, and sustainable, particularly in under-connected regions.

By leveraging our proprietary lightweight composites and cutting-edge aviation tech, NanoAir supports the development of electric and hybrid-powered aircraft designed for safe, quiet, and rapid point-to-point transport. Whether it's for intercity travel, medical emergencies, or logistics, NanoAir is shaping the future of air transportation—one zip at a time.

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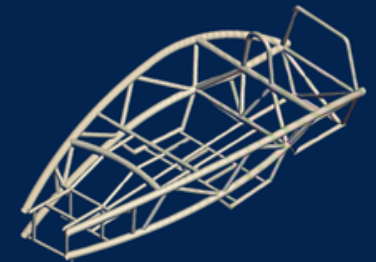
THE BARTIN HYPERCAR – WHERE PERFORMANCE MEETS PRECISION

The Bartin Hypercar is more than a vehicle—it is the crown jewel of Nanolite Group's automotive innovation. Born from a decade of research and relentless pursuit of perfection, Powered by a hand-built V8 engine, the Bartin delivers exhilarating acceleration, precision handling, and track-dominating performance. The chassis is built using lightweight composite materials for maximum speed and safety, while its aerodynamic form is sculpted for optimal downforce and minimal drag. Every curve, every contour, and every bolt has been designed with one goal in mind—performance without compromise.

NANOLITE'S MILESTONE ACHIEVEMENT: BUILDING THE ARIEL ATOM - B A R T I N

Nanolite Group has always been a pioneer in innovation and engineering excellence, and our greatest achievement to date is the in-house development of the Ariel Atom—a remarkable lightweight performance car equipped with a powerful V6 engine. Known for its thrilling speed, precision handling, and minimalistic design, the Ariel Atom is a global icon in the world of race cars, and Nanolite has taken this vision to new heights.

By developing the Ariel Atom in-house, we have demonstrated not only our expertise in materials and engineering but also our ability to push the boundaries of what's possible in automotive technology. This achievement showcases our R&D team's dedication to crafting high-performance vehicles using advanced techniques and technologies. With this project, Nanolite has cemented its position as a leader in innovative design and engineering, creating Pakistan's first-ever hypercar with a V6 engine tailored for the race track.



NANOMINES

UNEARTHING TOMORROW, TODAY



we take pride in offering a diverse range of high-quality minerals tailored to meet the needs of various industries. Our commitment to excellence and sustainable practices ensures that our products not only meet but exceed the expectations of our clients.

OUR VISION

AT NANOLITE GROUP, OUR VISION IS TO BE THE LEADING PROVIDER OF INNOVATIVE, SUSTAINABLE, AND HIGH-QUALITY PRODUCTS ACROSS MULTIPLE INDUSTRIES. WE AIM TO REVOLUTIONIZE CONSTRUCTION PRACTICES WITH OUR CLC BLOCKS WHILE MAKING SIGNIFICANT STRIDES IN TEXTILES, TECHNOLOGY, MINING, AND AGRICULTURE. OUR COMMITMENT TO RESEARCH AND DEVELOPMENT ENSURES THAT WE STAY AHEAD OF MARKET TRENDS AND CONTINUOUSLY IMPROVE OUR OFFERINGS. OUR MISSION

OUR MISSION

IS TO DELIVER EXCEPTIONAL VALUE TO OUR CUSTOMERS THROUGH INNOVATIVE PRODUCTS, UNPARALLELED SERVICE, AND SUSTAINABLE PRACTICES. WE STRIVE TO FOSTER STRONG RELATIONSHIPS WITH OUR STAKEHOLDERS WHILE CREATING A POSITIVE IMPACT ON THE COMMUNITIES WE SERVE. BY EMBRACING CUTTING-EDGE TECHNOLOGY AND SUSTAINABLE PRACTICES, WE AIM TO ENHANCE THE QUALITY OF LIFE FOR OUR CUSTOMERS AND CONTRIBUTE TO A HEALTHIER PLANET.

MESSAGE FROM THE CHEIF EXECTIVE OFFICER – NANOLITE GROUP

At Nanolite Group of Companies, our journey began with a simple mission to revolutionize the way the world builds. What started with the innovation of high-performance Cellular Lightweight Concrete (CLC) blocks has now evolved into a multi-disciplinary group that spans construction, mining, aerospace, automation, and sustainable technologies. Every division of Nanolite carries the same DNA, innovation, impact, and integrity. Our flagship product, the Nanolite CLC block, was born out of years of R&D to create a lightweight, cost-effective, and eco-friendly building material. Today, it's not just a product — it's a movement toward smarter, faster, and greener construction.

To our partners, collaborators, investors, and clients — thank you for being part of this mission. As we scale globally from our roots in Pakistan to hubs in the United States and the UAE, our focus remains unshakable: to build a better world through purpose-driven innovation.

Warm regards,
Muhammad Momen
Cheif Exective Officer
Nanolite Group of Companies



FOUNDER & CEO – NANOLITE GROUP OF COMPANIES
Mr. Muhammad Momen

MESSAGE FROM THE CHAIRMAN – NANOLITE GROUP

Over the years, Nanolite has grown into a trusted name in lightweight construction technology, pioneering innovations that bring together durability, affordability, and environmental responsibility. Our Lightweight Concrete Blocks and Ready Mix Materials stand as a testament to this commitment, already transforming projects across regions with unmatched quality and reliability. But beyond products, Nanolite represents an idea the belief that construction can be lighter, smarter, and greener. We are proud to lead this movement, empowering partners, builders, and entrepreneurs through our franchise system, which opens doors for innovation and opportunity across the globe.

As we continue this journey, I extend my heartfelt gratitude to our dedicated team, valued partners, and all those who share our vision. Together, we are not just building structures. We are building the foundation for a better, more sustainable tomorrow.

With best regards,
Mr. Malik Mehmood
Chairman & Founder
Nanolite Group of Companies



CHAIRMEN – NANOLITE GROUP OF COMPANIES
Mr. Malik Mehmood

CONTACT US

At Nanolite, we value your inquiries and are here to assist you with any questions or information you need about our CLC blocks and panels. Whether you're interested in our products, need technical support, or want to explore franchise opportunities, our team is ready to help.

CONTACT INFORMATION:

For more information on franchise opportunities, please contact us:

Address: 110-61 107 Ozone Park, Queens, Newyork. USA

Email: management@nanolite.co

Phone: +1 718 912 4171

BUSINESS HOURS:

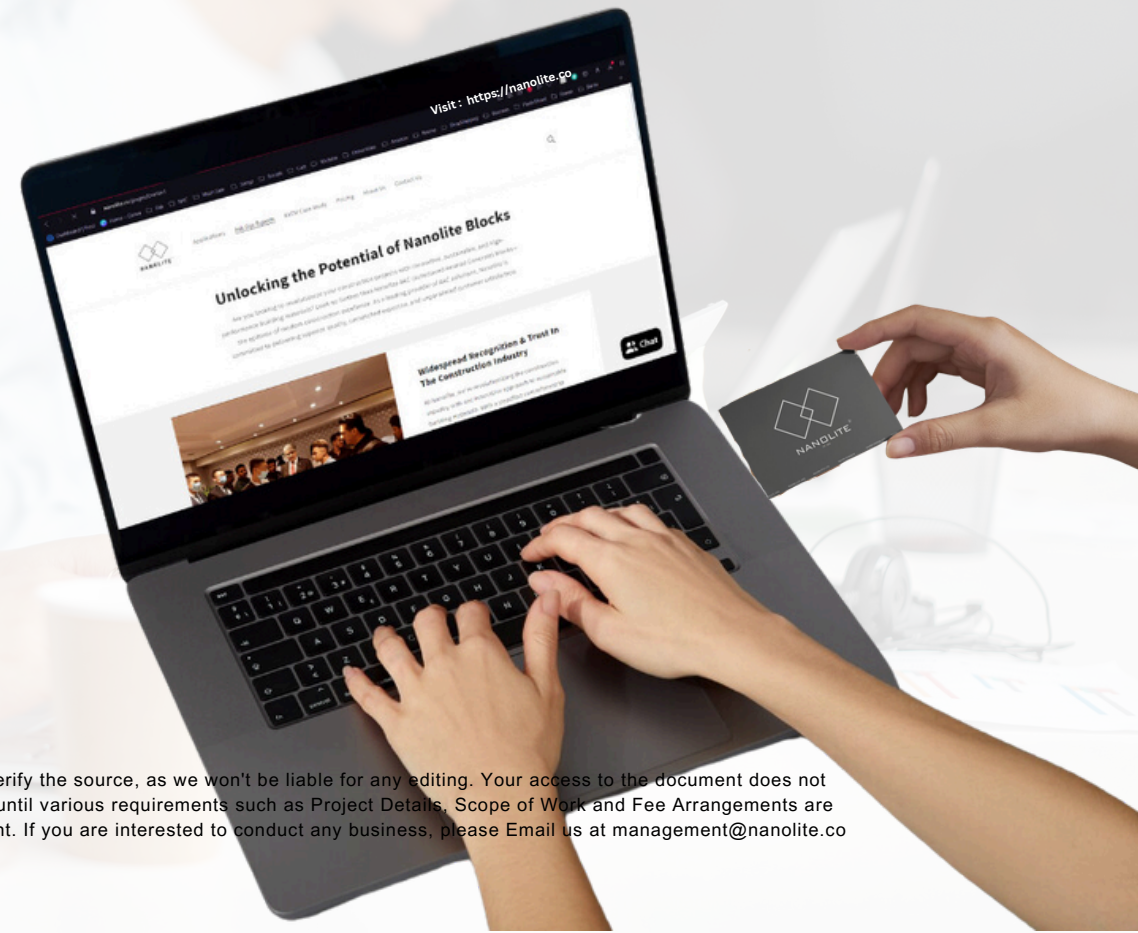
Monday - Friday: 9:00 AM - 5:00 PM

Saturday / Sunday: Closed

VISIT US:

www.nanolitegroupofcompanies.com

www.nanolite.co



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