PARTANNA™

We’re a technology company that removes CO_2 naturally.

Our innovation helps various industries to decarbonize.

Partanna has pioneered the world’s first building material that avoids emissions and removes carbon from the atmosphere.

Development Is Suffocating Us

28%

Of global emissions come from the construction industry.

IEA, World Energy Outlook, 2020

9%

Of global emissions come from the cement industry alone.

UN, The Emissions Gap Report, 2020

10

Gigatons of carbon must be removed every year to meet the Paris Agreement goals.

IPCC, Global Warming of 1.5°C, 2018

Removal Technologies Are Now Essential

Partanna’s Mission: Delink Development From Pollution

CAPTURE

10%

Of the global concrete market by 2035

PRODUCE

20.5 B

Building material units annually

REMOVE

1%

Global CO^2 emissions every year

Our Mission

To delink development from pollution.

Sustainable

Carbon negative and made from salt water brine and natural and recycled ingredients.

Cost Effective

Partanna is locally sourced and cost-effective compared to leading solutions.

Socially-Conscious

Breaking the negative relationship between development and society.

Carbon Credits

Generating both avoidance and removal carbon credits that can be used for good.

Evolving An Industry

Throughout human history, industries have consistently evolved, adopting new technologies to enhance efficiency and address societal needs. The transition from 3G to 4G in telecommunications and the shift from petroleum to electric vehicles exemplify this progress.

Automobile

46 metric tonnes of CO_2

Emitted by driving 100,000 miles in a mid-size petroleum car.

0 metric tonnes of CO_2

Emitted by driving 100,000 miles in a mid-size EV.

Construction

37 lbs of CO_2

Emissions associated with a Portland Cement CMU block.

19 lbs of CO_2

Emissions removed through a Partanna CMU block.

Partanna transforms waste into a valuable resource, harnessing the power of industrial byproduct.

Recycle ocean water brine

↓

Natural and recycled local aggregates and pozzolans

↓

Absorb CO^2 directly from atmosphere

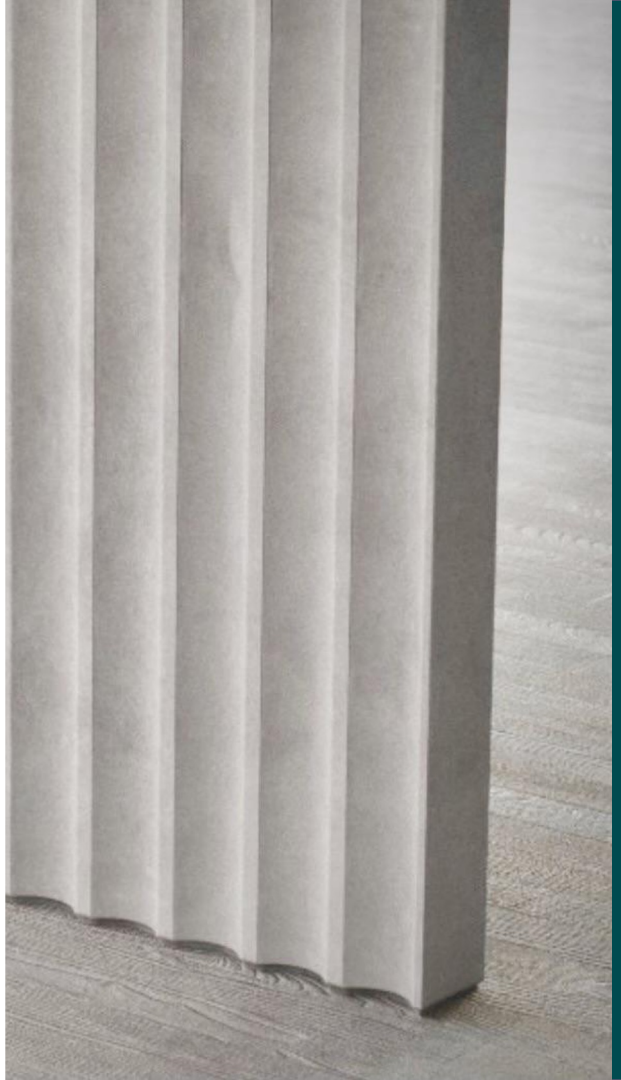
↓

Recycle product as aggregate

Building a Better Future: Partanna's Environmental Potential

1 million square feet of Partanna Concrete Masonry Unit Block could build:

- Approximately 67,000 standard sized homes (assuming an average of 15 tonnes of concrete per home)
- Around 2,000 km of highway (assuming a 20 cm thick and 6 meter wide road with 150 kg/m^3 of concrete)
- A 20-story building with a footprint of 50,000 square meters (assuming a typical building with 3 meters high story, with 200 kg/m^3 of concrete)
- The foundations and pillars for a large suspension bridge, such as the Golden Gate Bridge in San Francisco, which used over 200,000 tonnes of concrete



1 million square feet of Partanna Concrete Masonry Unit Block could capture 28,350 metric tons of carbon, equivalent to:

- 28,350 carbon credits
- Heating approximately 31,000 homes with natural gas for a year
- Emissions from approximately 6,000 passenger vehicles driven for a year
- Burning approximately 29 million gallons of gasoline
- Burning approximately 128 million pounds of coal

We’re providing a commercially viable alternative through value innovation.

Legacy concrete

CEMEX · Heidelberg Materials · LafargeHolcim

The **legacy** Portland cement players – that contribute significant amounts of carbon into the atmosphere – through their use of clinker.

Less-bad

CarbiCrete · CarbonCure · SOLIDIA

The **"less-bad"** collective – that partially offset their clinker emissions through energy-intensive carbon sequestration and injection techniques

Simply good

PARTANNA™

Avoids emissions associated with **legacy cement's use of clinker** and energy intensive **carbon sequestration**, whilst removing carbon at a much faster carbonation rate through **direct air capture**.

Partanna Business Verticals

VERTICAL 1

Carbon Credits

Avoidance & Removal Credits

VERTICAL 2

Wholesale

CMU/Pavers/Mix

VERTICAL 3

Licensing IP

Partanna IP

Partanna consistently generates top-performing, carbon removal credits in a fast-growing global market.

Carbon credits: what are they and how do they work?

Carbon credits are a tradeable commodity that represent a reduction in greenhouse gas emissions and are generated by projects that reduce, avoid, or remove carbon dioxide from the atmosphere.

These projects include renewable energy, afforestation, and energy efficiency improvements.

After verification by third-party organizations, the carbon credits are registered with a recognized carbon credit registry or exchange, which involves providing detailed project information.

The credits are then sold on the exchange or directly to buyers, such as companies looking to offset emissions, investors interested in carbon reduction projects, or governments seeking to meet climate targets.

PARTANNA™

*Patented technology

Our carbon credits are unique, serving a dual-purpose

Partanna obtains carbon avoidance credits

We produce negligible amounts of carbon dioxide during our production process.

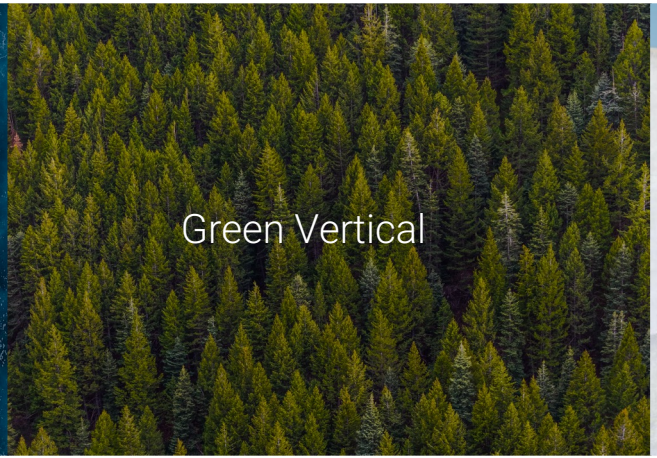
Partanna obtains carbon removal credits

Our technology captures and ‘locks-in’ carbon dioxide, removing it from the atmosphere.

Carbon Markets Today

Blue carbon is carbon absorbed through our oceans and ecosystems

*** Price: $25–29/m.t.**



Green carbon is the carbon stored in the biosphere, taken up from the atmosphere by plants

*** Price: $12.50-16/m.t.**

Gray carbon is the carbon captured from our atmosphere in our sustainable building materials

Removal Credit Price: $250-500/m.t.
Avoidance Credit Price: $30-75/m.t.

Our technology generates the most valuable carbon credits in today's market

Broader impact

Our projects deliver wider socio-economic and environment benefits – offering adaptation solutions and innovative use of brine.

Performance

Partanna permanently 'locks-in' carbon – once it's gone, it's gone.

Avoidance isn't enough

Removal solutions are in short supply – but to date, no other technology can perform like Partanna can.

Project Quality

Our outcomes are replicable, consistent and comparable.

In October 2022, Verra – the world's most widely used greenhouse gas crediting program, certified our technology's capacity to generate carbon credits.

Our Pipeline


The Caribbean

10 Acres.
1 Factory.
1,000 Homes.

Partanna is leasing 10 acres on the International port of Nassau to build a factory that will produce 1,000 homes per year indefinitely after first 30 homes are completed. Being on a port allows for import of materials and exports of finished goods globally.

Comparison to standard home development

1,250 Sq Ft — Standard Cement Home

70.2 tons of CO^2 is emitted per 1,250 Sq Ft home
0 carbon credits generated

1,250 Sq Ft — Partanna Home

14.3 tons of CO^2 is absorbed per 1,250 Sq Ft home
182.6 carbon credits generated (Avoidance & Removal Credits)

Small Island Developing States (SIDS)

Guyana

As one of the world's major new oil producing nations, Guyana is looking to power its transformational infrastructure developments programs with Partanna technology.

Jamaica

In Jamaica, Partanna is looking at options for a PPP to develop local manufacturing facilities.

Gulf region

Red Sea Global Development

Overview

In November 2022, Partanna signed an MoU with Red Sea Global, one of the world's most visionary developers, and is currently exploring options and a commercial arrangement to supply its materials.

Diriyah Gate Development Authority

Overview

Partanna is negotiating a partnership with the developer responsible for transforming Diriyah into one of the world's greatest destinations

Submerged infrastructure projects

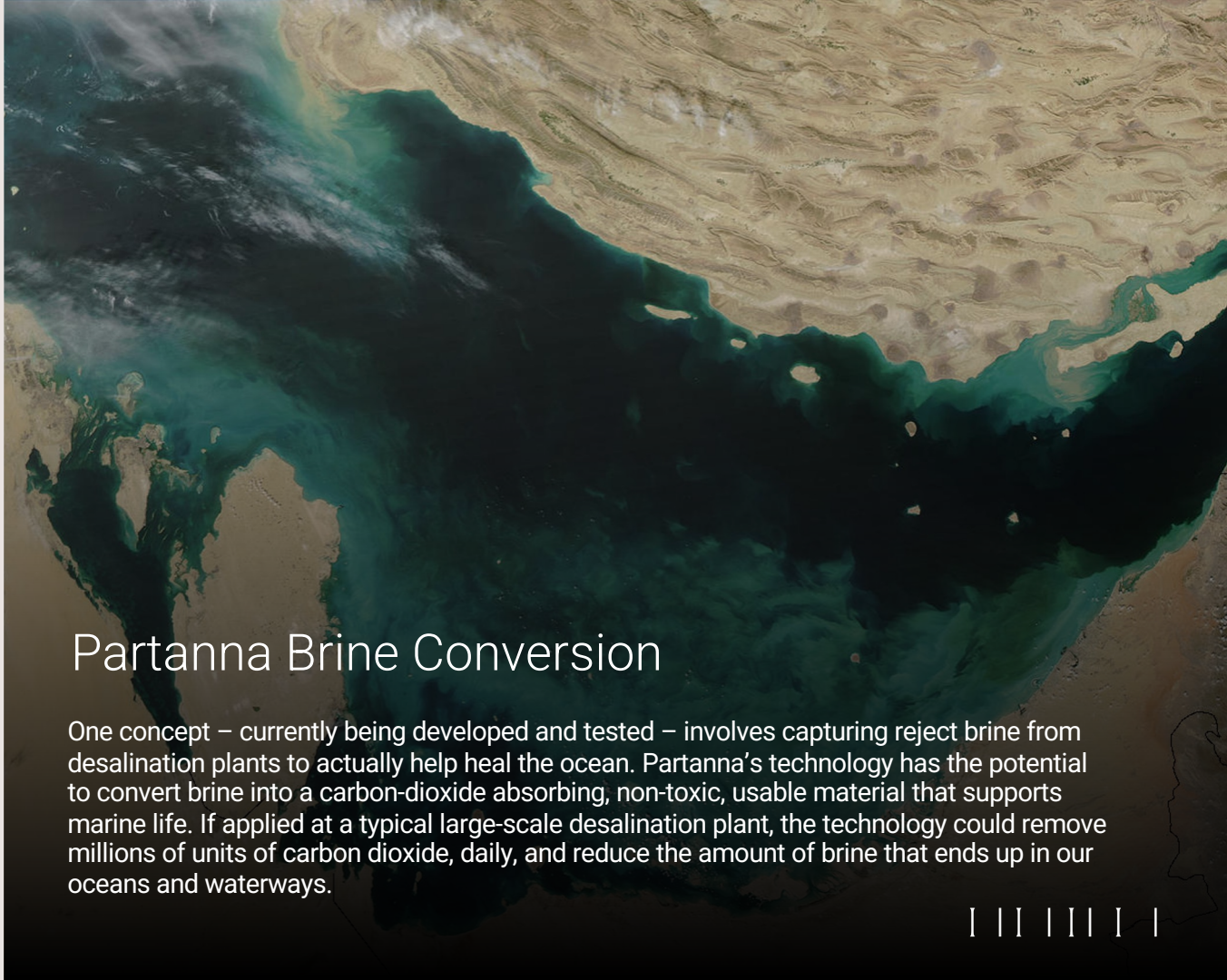
Overview

Partanna is pursuing a number of opportunities with Ocean Revive (KSA) aimed at supporting marine ecology outcomes. As Partanna materials become stronger when exposed to seawater, we are also exploring their use for seawall infrastructure throughout the Kingdom.

Persian Gulf - Regional Brine Conversion

Overview

The Persian Gulf is the most important region for seawater desalination, producing over 50% of global desalinated seawater. Partanna is developing technology solutions that could address the environmental impact of desalination.



Partanna Brine Conversion

One concept – currently being developed and tested – involves capturing reject brine from desalination plants to actually help heal the ocean. Partanna's technology has the potential to convert brine into a carbon-dioxide absorbing, non-toxic, usable material that supports marine life. If applied at a typical large-scale desalination plant, the technology could remove millions of units of carbon dioxide, daily, and reduce the amount of brine that ends up in our oceans and waterways.

Our Partnerships

Our partners

Partanna is committed to realizing a future where development and pollution are no longer linked. To achieve this ambitious goal, we recognize the importance of forging partnerships with like-minded organizations and entities who share our vision. Through the partnerships we are forging, we aim to drive innovation and collaborate with public and private sector partners to pave the way towards a more sustainable future.

Red Sea Global

CARIBBEAN CLIMATE-SMART ACCELERATOR

IDA International Desalination Association

BGF

جامعة الملك عبدالله للعلوم والتقنية
King Abdullah University of Science and Technology

OFFICE OF THE PRIME MINISTER OF THE BAHAMAS

Our Team

The Team We've Built

Our Founders

Rick Fox

Co-Founder, CEO

Rick Fox is a businessman, philanthropist and three-time NBA champion who co-founded Partanna Global.

During his professional basketball career, Rick captained two of the NBA's most storied franchises, the Boston Celtics and Los Angeles.

Rick's off-court accolades rival his athletic accomplishments, having found success in entrepreneurship, acting, television and gaming.

After retiring from the NBA, Rick pursued a career in television and entertainment including 5 years as an NBA Analyst for TNT and NBATV. He has over 200 movie and TV episode credits to his name, either as an actor of producer, and has worked alongside Oscar & Emmy nominated producers, directors and actors during his career.

As an entrepreneur, Rick has worked with top Fortune 500 brands including American Express, Walt Disney, Hewlett-Packard, Asus, AT&T, Comcast, Pepsi, Ford, T-Mobile and Verizon, to name a few, across their global growth initiatives.

More recently, as a technology investor, Rick became one of the first major athletes to buy-into eSports – and helped to bring mainstream attention, along with traditional sports business models, to esports teams.

As a developer in hospitality, and one of the faces of tourism in The Bahamas, Rick has given his time and energy in creating The Bahamas Relief Foundation and bringing real-estate development opportunities to the region.

Sam Marshall

Co-Founder, President

Sam Marshall is Co-Founder and President of Partanna Global. Sam is formerly the owner and director of Marshall Projects, a Malibu based, full-service boutique architectural and interior design firm, specializing in hospitality.

During its 15 years of operations, Marshall Projects was regarded among the world's premiere design firms and scooped multiple awards for its iconic developments.

After more than two decades in the architecture industry, Sam felt limited by the aesthetic and functional properties of conventional building materials. His search for a material that could do more – and drive the design process into the 21st century – is what led to the development of Partanna's technologies.
Sam is most passionate about eliminating climate negative impacting carbon from the world.

After switching his focus from architecture to material science, Sam now considers the laboratory as a design studio – as he pioneers, with his team, new technologies that can revolutionize all aspects of the design and construction industry.

The Team We've Built

Our Leadership Team

Chris Nordling

CFO

Chris Nordling is the COO and CFO of Partanna. Chris previously worked for MGM Resorts International, where he served as President of Corporate Entities, and was responsible for all of the hospitality firm's large corporate departments, including Global Sourcing, Revenue Management, Retail, Enterprise Analytics, IT Security and Direct Marketing.

Whilst at MGM Resorts, Chris and his team spearheaded a Profit Growth Plan (PGP) that helped drive $400 million in incremental value, and foster an invaluable, one-company minded culture.

Earlier in his career, Chris served as CFO of the CityCenter Project, a $9 Billion, 18 million square feet development. Additionally, he served as Executive Vice President and CFO of Mirage Resorts from 2005 to 2010. In this role, Chris oversaw all financial aspects of 9 MGM MIRAGE operating units, including brands such as Bellagio, The Mirage and Beau Rivage. This group was responsible for over $1 Billion in operating cash flow annually.

Prior to this, Chris served as the Executive Vice President and CFO for the Bellagio Hotel and Casino for four years.

Chris is a Certified Public Accountant. He earned a Bachelor of Science Degree in Business Administration from Northeastern University in Boston and a master's degree in business administration from the University of Nevada-Las Vegas.

Rebekkah Swisher

VP, Sustainable Development

Rebekkah Swisher is the VP of Sustainability at Partanna. She is a chemical engineer with over 24 years of experience. Her career began at the global engineering firm, Parsons Corp., handling large-scale compliance reports for major petrochemical projects, such as Petrokemya's multi-billion dollar Benzene II expansion.

From there, the bulk of her career was spent as the editor-in-chief of Chemical Engineering Magazine, the leading publication for chemical engineers across the process industries. During her time at the helm of the outlet, between 2001 – 2013, Rebekkah witnessed rapid changes within the chemical engineering industry – as sustainability and environmentalism entered the mainstream.

During her time at Partanna, Rebekkah has been instrumental in securing third-party validation of the company's technology. Through her network of contacts within the chemical engineering community, she has secured endorsement of Partanna via peer-reviewed journals, built relationships with some of the most prestigious carbon credit registries, and managed third-party technical reviews of Partanna's technology.

Rebekkah holds a B.S.Ch.E. from the University of Kansas.

The Team We've Built

Our Leadership Team

Jessica Nordling

VP, Strategy

Jessica Nordling is the VP of Strategy at Partanna. Jessica was previously a Senior Associate for the global architecture and planning firm, Gensler, where she served as Project Manager (PM) on large scale commercial projects.

She was a lead PM on the CityCenter Project in Las Vegas, assisting with the 66-acre Master Plan development and overseeing design and construction of The Mandarin Hotel, The Harmon Hotel and the Aria Resort and Casino. Other projects include Project Manager for San Jose International Airport Terminal B, and Palm Springs Airport.

Prior to Gensler, Jessica was a Senior Associate for Alliiance in Minneapolis, where she designed and managed multiple projects in the Retail and Airport Studios.

She was also the founder and owner of Mother Hen Photography, LLC, a Board Member for the Junior League Las Vegas and is an active member of the Los Angeles Women's Giving Circle.
Jessica holds a Bachelor of Architecture Degree from the University of Kansas and is LEED Accredited.

Greg Nelson

Legal

Greg Nelson is the CLO at Partanna. Greg is a partner at the law firm Weeks Nelson, where he practices as outside General Counsel and Litigation Counsel to several companies of varying sizes, including Oakley, Inc., Red Digital Cinema, Red Hydrogen, and their founder, on numerous global matters.

Other representative clients include Altamont Capital Partners and Renegade Brands on their portfolio of companies, including Brixton, Dakine, Fox, Girl Skateboards, Huf, Lakai, and Mervin, in a wide range of services focused on general corporate and commercial, civil litigation, patent and trademark prosecution, and brand enforcement. With a unique combination of experience working for small and large companies, both handling the corporate work and managing global legal budgets. Greg has a unique perspective with a focus on handling matters efficiently from a real-world business perspective to help companies accomplish their business goals while aggressively protecting their interests.

Greg received his B.S. in Exercise Physiology (pre-med emphasis) from Brigham Young University and law degree from California Western School of Law, where he graduated summa cum laude and received the Trustee's award. He is licensed to practice in state and federal courts in California and Massachusetts and is licensed before the United States Patent & Trademark Office.

The Team We've Built

Our Leadership Team

Kevin Pang

CTO

Kevin is an experienced materials technologist who specializes in the research, development and production of innovative new materials with specific properties and applications.

Through his vision and creativity, he has helped broaden the applications of magnesium and other lightweight materials into various industries, including Consumer Handheld, Medical, Military and Optical.

Throughout his career he has supported clients including HP and Motorola to pioneer cutting-edge products that utilize new manufacturing technologies and engineering solutions.

In 2002 he founded AB Technology – a globally recognized leader in the field of magnesium injection molding technologies.

Kevin graduated with a double major in Finance and Industrial Marketing from Western Michigan University.

Rory Anderson

VP, Business Development & Marketing

Rory is a marketing and public relations specialist who has advised leaders of some of the world's most influential organizations and brands.

Between 2013 – 2017, Rory was based in the Middle East, where he advised the Office of the Prime Minister of Qatar on reputational issues facing the country, and helped establish a permanent Government Communications Office, staffed by local Qataris. Whilst based in Doha he also provided communications guidance to the organizing committee responsible for delivering the 2022 FIFA World Cup.

Since then, Rory has worked for some of the world's largest and most respected advertising and communications advisory firms, including Teneo, Ketchum and M&C Saatchi. As a senior consultant, Rory provided strategic communications advice to their clients including NATO, AIIB – the world's second largest multilateral development bank, the Rockefeller Foundation and Africa CDC.

He holds a degree in Journalism from the University of Leeds.

The Team We've Built

Advisory Board

Carlos Duarte

Senior Adviser

Prof. Carlos Duarte is a world-wide leader in multiple branches of biological oceanography and marine ecology. He established himself very early in his career as the world-wide leading authority on the ecology of seagrass meadows.

He published on all aspects of seagrass ecology, from population biology to genetics, from depth and geographical distribution patterns to their role in biogeochemical cycles, and from conservation strategies to their sensitivity towards climate change.

Prof. Carlos Duarte is probably the most versatile aquatic ecologist of his generation: he works from the tropics to polar ecosystems, from macrophytes to microbes, from coastal systems to open ocean gyres using all type of approaches.

Ralph Chami

Senior Adviser

Ralph Chami PhD, is an Assistant Director at the IMF. He is currently on sabbatical from the IMF working on tackling the two risks to humanity – climate change and biodiversity loss. He has developed a model for valuing natural capital, including blue and green nature as well as flora and fauna, and a framework for developing the natural capital markets for ecosystem services.

He has co-founded two entities working on bringing this new paradigm to life – Blue Green World and Rebalance Earth that are engaged in realizing the value of the natural world to our well-being and integrating it into our economic system. His work on valuing natural capital has been featured in National Geographic, Financial Times, Washington Post, WEF, among others.

Livio Bisterzo

Senior Adviser

Livio Bisterzo has been an entrepreneur all his life. In 2003, while at college, he started his first entrepreneurial venture working in youth culture, marketing and events. Ever since, he's been building businesses from the ground-up across different industries, creating some strong and successful companies along the way.

In 2015, Livio founded Green Park with a mission to create, operate, and accelerate disruptor CPG brands that help create a future for the next generation where doing good business means doing more good by our consumers, in our communities and for our planet. Headquartered in Los Angeles, Green Park is rethinking the world of CPG from the ground up.

PARTANNA™