



Clean Renewable Energy

CONTINENTAL MEGAWATT POWER COMPANY

A SUSTAINABLE DEVELOPMENT AND INFRASTRUCTURE COMPANY



“SUPPLYING MODERN ENERGY AND INFRASTRUCTURE TO AN EMERGING WORLD”



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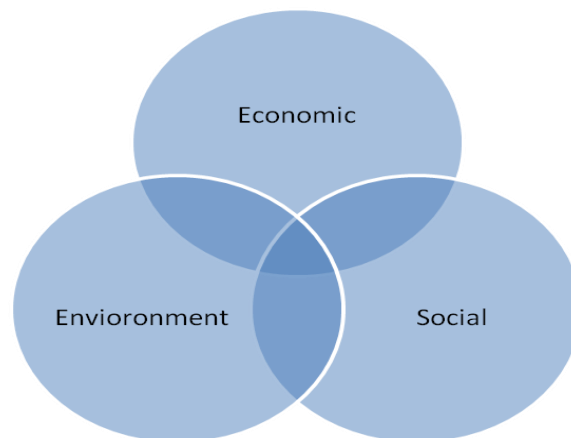
- Aggressive Effort for African Survival
- Integrated Model for African Solutions
- Hybrid Funding Strategy for African Success
- Strategic Approach for African Sustainability

VISION

A world where sustainability of Continental Africa and prosperity for its people are universally embraced as a way of life.

Because climate change is the defining human development challenge of the 21st Century, Continental Megawatt Power Company is actively participating in the worldwide edict to explore, develop and implement energy and infrastructure solutions. Citizens from emerging markets and countries will suffer the earliest and most damaging setbacks, even though they have contributed the least to the problem. Looking to the future, no country — however wealthy or powerful — will be immune to the effects of global warming.

Continental Megawatt Power Company has adopted and is solely focused on implementing the globally-defined trinity for sustainable energy and infrastructure development — **Economic, Environmental and Social**



Our groundbreaking approach to sustainable infrastructure development successfully integrates strategic solutions into our business model to create wealth, spur growth and spark social change

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A CATALYST FOR CONTINENTAL AFRICA CHANGE

Continental Megawatt Power Company (CMWP) is a sustainable energy and infrastructure company that develops replicable, scalable solutions for Continental Africa sustainability. **Our mission** is to catalyze positive change via economic and environmental infrastructure. We focus on the development and installation of traditional and clean energy technologies and solutions. Through our established network of partnerships, we work with our clients to identify and execute strategic projects in Continental Africa that create wealth through investments; jobs through growth; and delivery through concentrated project management. With unmatched experience, critical expertise, and innovative solutions, we provide quality services within project budget and timelines.

We also develop **social infrastructure** to transform CMWP projects into vehicles for social development. Our projects power a ripple of economic, environmental, equality and entrepreneurial initiatives that ultimately help communities and African countries realize long-term sustainability and prosperity.

To accomplish its mission, CMWP aggregates natural and energy resources in the design and implementation of energy and infrastructure projects — including clean energy delivery — for select and targeted African regions. These projects are vehicles for both return on investment and return on impact. The CMWP Portfolio includes projects that reward investors and catalyze communities.

Our goal is to assist in the integration of economic and environmental priorities into strategies and processes for poverty eradication, education, and other social development initiatives. In alliance with in-country and multinational organizations, CMWP helps countries strengthen their own capacities through sound and equitable ventures by building partner-



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SUSTAINABILITY FRAMEWORK FOR CMWP PROJECTS

	ECONOMIC Lead: CMWP	ENVIRONMENT Lead: CMWP	SOCIAL Lead: CMWP
SITE SELECTION	<ul style="list-style-type: none"> Identify sites that add value to economic and energy needs based on resources Put together financial returns Create public/private partnerships 	<ul style="list-style-type: none"> Evaluate development density Conduct resource availability studies 	<ul style="list-style-type: none"> Strategize with CMWP and in-country stakeholders in the development of a CMWP Affiliate and develop social infrastructure plan
Catalyst			
SITE PLANNING	<ul style="list-style-type: none"> Evaluate existing transmission infrastructure Evaluate ancillary energy development opportunities Capitalize on regional energy requirements Identify and utilize capital, grants and financial support 	<ul style="list-style-type: none"> Meet or exceed environmental requirements Maximize transmission availability Evaluate conservation measures to protect lands 	<ul style="list-style-type: none"> Incorporate technology transfer training Involve local education institutions Solicit in-country and multi-lateral public, private, and social sector support Respect and integrate local culture
Focus on Integration of Technologies			
SITE DESIGN AND CONSTRUCTION	<ul style="list-style-type: none"> Develop economic opportunity for stakeholders Create Jobs Stimulate local Economy Utilize local contractors 	<ul style="list-style-type: none"> Recycle construction waste Utilize low impact features where possible Maximize utilization of renewable 	<ul style="list-style-type: none"> Create healthy working and living environments Provide long-term quality jobs Design for safe long-term operations Develop self-sustaining social development projects



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SOLUTIONS FOR SUSTAINABILITY

CMWP is addressing the diverse challenges facing our planet and people with powerful tools — the proven CMWP Africa Model (see Appendix A) for sustainable development and the CMWP Africa Fund (see Africa Fund section). The following are some of the key universal issues and synopses of our solutions:

Global Financial Crisis

Challenge: The ongoing financial crisis that has engulfed the world financial markets is being felt across the globe and prompting fears that financing for development will be threatened.

Solution: CMWP employs multiple funding strategies that engage the international donor community through public, private and social sector investments. Additionally, we attract private investors to our projects via the CMWP Africa Fund (see Africa Fund section). Once private investors are involved, getting attention and interest from multi-lateral funding sources significantly increases. A suite of financing providers include the likes of the US EXIM Bank, OPIC, and others. Fostering the concept of doing well while doing good, the CMWP Africa Fund is a hybrid

Technology Transfer

Challenge: The absence of affordable and appropriate technology hinders sustainable development in Africa. Technology transfer in areas such as solar, wind, hydro, waste to energy, and geothermal energy is essential.

Solution: CMWP provides world-class expertise, technology and training in infrastructure and clean energy development such as Wind, Solar, Geothermal, Water and Bio-Energy. Our integrated approach to resource development maximizes the energy production potential at each site location, for instance: a geothermal project could also include geo/solar technology and a biomass project could also include a pelletization or gasification plant producing more clean energy. Our team brings expertise in the multi-sector requirements of development and works in tandem with in-country leadership to meet specific community needs and provide training to sustain ongoing operations.

Climate Change Adaptation

Challenge: Climate change poses numerous constraints to sustainable development — it affects agriculture, rural development and land which exacerbates the constraints posed by food security, water scarcity and dwindling resources.

Solution: All climate-sensitive systems of society and the natural environment, including agriculture, forestry, water resources, human health, coastal settlements, and natural ecosystems, will need to adapt to a changing climate or possibly face diminished productivity, functioning and health. Meeting these challenges head-on is CMWP’s core vision, mission, and business focus.

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Partnership Model for Implementation

Challenge: International community input has flourished in the development of sustainable initiatives and strategies, but direct partnerships for implementation and investment are lacking.

Solution: By design, The CMWP Model promotes a ripple effect that — when harnessed properly — powers an engine for growth. The ignition is the launch of a renewable energy and/or infrastructure catalyst project. The catalyst project drives community development. The community development drives local/national governance and initiates economic, environment, equality and entrepreneurial opportunities. The catalyst project also drives the launch of clusters of support industries and emerging markets. The clusters drive energy and infrastructure development throughout the country, maintaining existing industries while expanding the tax base with diverse, clean, emerging markets that ensures the environmental and fiscal health of the nation. This approach to project development represents a proven business “model” and will be replicated in other parts of the world (see Appendices A and B).

Socio-Economic Development

Challenge: The lack of jobs, safe drinking water, accessible healthcare, education and housing are the main obstacles to advance and protect the economic and social rights of citizens.

Solution: CMWP sustainable initiatives are designed to offer wider significance beyond economic and environmental project development. Our projects and initiatives not only create jobs — which improve the overall quality of life within the community — but provide additional funding sources to address the multidimensional socio-economic needs.

A WEALTH OF EXPERTISE

Through the CMWP team and alliances, and the backing of significant investor capital, we have the ability to attract and acquire the most promising project opportunities for the CMWP Portfolio. We also have the depth and breadth of expertise to enlist a designated team for each project, as well as access to a well-trained talent pool as required.

A PRINCIPLED APPROACH

CMWP:

- Focuses on the dual energy challenges facing Africa — meeting increased energy demand while reducing the growth in greenhouse gas emissions.
- Infuses out core mission of sustainability in all of our projects to provide the highest and best outcomes for the human condition and natural environments, both now and into the future.
- We understand and realize that two types of ROI — Return on Investment and Return on Impact — must be adopted if we are to strike a balance of sustainability.
- We understand project success is measured with a quadruple bottom-line that encompasses purpose, people, profit, and planet.



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SECTION II



“Yet no longer can businesses, governments or non-governmental organizations afford to act independently of each other — the stakes are just too high.”

*- John Connolly, Global Chairman, Deloitte & Touche,
World Economic Forum 2008, Davos, Switzerland*



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AGGREGATING AFRICA'S RESOURCES

CONTINENTAL MEGAWATT POWER MISSION

To catalyze positive change through economic and environmental infrastructure development still providing excellent financial returns for our investors.

As the detrimental impact of human activity on the ecology of the planet becomes more evident each year, it is becoming increasingly obvious that we cannot continue to live in the future as we have in the past. Energy and energy distribution have become critical to our modern economies. We've come to rely on energy around the clock for every thing we do.

Continental Megawatt Power Company (CMWP) is a sustainable energy and infrastructure company. By this, we mean that we focus on developing renewable resource projects that promote clean power, utilize best engineering practices and integrate project-based technologies to supplement and enhance the new African energy market demand. Drawing upon an extensive network of relationships ranging from resources specialist and industry experts to political leaders and global champions, the CMWP team mobilizes the talent to manage projects from conception through implementation.

OUR COMPETITIVE ADVANTAGE

What motivates the CMWP team is our passion for Africa and its people. We focus exclusively on projects that advance sustainable solutions that can be replicated throughout Africa.

What distinguishes CMWP from other technology, energy, infrastructure, and resource development companies is our diversity and focus. While others target exclusively on a particular or emerging technology or an individual resource development method, we remain technology-agnostic and resource-diverse. This approach provides our investors with a portfolio of carefully vetted projects that minimize risk and maximize returns.

Many investors and investment firms are still frozen in the high technology venture capital model of old— investing in companies with leading edge technology. Today the tech focus is clean and green, but the paradigm is the same — betting not on reality but on the hope and promise of the “nest big thing.”

CMWP has strategically positioned itself outside of that risk arena. With our extended network of experts ready to develop projects and turn the most promising opportunities into cash flow, we hand-pick the ideal technology and control platform to succeed. By design CMWP carefully manages risk by thoroughly vetting prospective projects, gaining control of the resource, leveraging technology and implementing a diversified portfolio of projects. A distinctive feature of the CMWP approach is our proven ability to leverage public, private and social sector resources in creative ways: **Secure the multilateral funding to offset private funding requirements, Leverage government funding at various project development stages, Mitigate investor risk through diversified funding sources, Amass incen-**

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AN INTEGRATED DEVELOPMENT APPROACH

CMWP projects are selected on both their economic and environmental merits and for their ability to scale and/or be replicated throughout the world. They are developed via a five stage process, summarized in the chart of page 12.

Stage One: Discovery and Feasibility

The goal of this stage is to determine if there is an opportunity for a renewable energy project and enough energy resource to justify the project, identify any potential supporters, confirm absence of major obstacles, and gauge the local community and utility’s receptivity to a project.

Stage Two: Design and Development

If initial research reveals that a project may be economically feasible, design and development begin. The project manager is engaged, the project’s specific goals and action plan are defined, and initial timeline and financial analysis are complete. Site surveys for the permitting process begin, long-term data collection is started, and the range of project possibilities is narrowed down to a few “best” plans. Preparations for the formal utility interconnection process also begins.

Stage Three: Pre-Construction and Site Development

This phase includes completing environmental reviews, applying for permits, and finalizing the interconnection agreement. Negotiations will begin on the Power Purchase Agreement (PPA). Major equipment orders are placed as soon as possible, but coordinated with assurance of financing, application of tax credits, and site suitability assessment. The project team releases a Request for Proposals (RFP) and chooses a construction manager based on the proposals received. The design-build aspect of contracts is more streamlined and efficient when the EPC (Engineer, Procure, Construct) Contractor is engaged in the Pre-Construction phase. Once the final design is agreed to, and appropriate process guarantees are determined along with the contractual elements of liquidated damages and schedule related elements, the appropriate pro-forma and financial package is assembled to source the construction and operations financing.

Stage Four: Construction

The CMWP management team works with the EPC Contractor through every phase of the final design and

Stage Five: Production and Profit Upon final commissioning of the plant, and the handover of final operations to the Operations Team and Plant Manager, the plant is considered “on line” and continues to operate until scheduled maintenance is required. This is a primary area where CMAP manages to the investor and project goals and objectives to ensure return on investment and impact milestones.

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KEY ACTIVITIES

STAGE 1: Discovery and Feasibility	STAGE 2: Project Design and Development	STAGE 3: Pre-Construction and Site Development	STAGE 4: Construction	STAGE 5: Production and Profit
<ul style="list-style-type: none"> ● Assessing the project's economic feasibility ● Identifying potential obstacles ● Gauging local and utility support 	<ul style="list-style-type: none"> ● Defining project goals ● Developing timelines ● Financial analysis ● Site surveys ● Preparing for utility interconnection 	<ul style="list-style-type: none"> ● Completing environmental reviews ● Obtaining permits ● Placing major equipment and long lead time orders ● Finalizing Power Purchase Agreement ● Releasing RFP requests, engaging the EPC (Engineer, Procure, Construct) Contractor 	<ul style="list-style-type: none"> ● Assigning CMWP Program Manager to work with EPC Contractor through project commissioning ● Recruiting Operations Team 	<ul style="list-style-type: none"> ● Final commissioning ● Handing off operations to Operations Team ● Coordinating system of ongoing reporting to CMWP for designated period.

INVESTMENT LANDSCAPE

The time to invest in sustainable infrastructure and clean power is today! CMWP offers long-term investment opportunities that generate profits while preserving the planet by reducing carbon emissions and environmental impacts. Global renewable resource investments have topped \$150billion as the industry matures. Consider some of the factors driving its growth:

● **High demand for energy**

As developing countries become more industrialized, they are becoming more dependent on energy. Couple this with an already heavy and growing reliance on energy in developed countries— the demand will skyrocket.

● **Rising fossil fuel prices**

Economies around the world suffered from recent high fuel prices that have increased substantially over the last decade. Projects that were previously considered feasible are now restrained by financially viable concerns. This has led to rising fossil fuel prices and is creating an environment where alternatives are becoming financially viable.

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- **Concern over continuation and security of supply**
Oil is now technologically harder and more expensive to obtain as the cost of exploration and production has increased. Since geologists have already mapped out where oil will come from in the future, the outlook is not very optimistic because new supplies are not readily available or accessible. This is leading to even more concern over continuation and security of supply.
- **Global threat of climate change resulting in government legislation and intervention—**
Major governments around the world have responded by creating legislation, subsidies, tax incentives and procurement strategies that encourage sustainable best practices for natural resources as well as diversified energy mix. New laws, with commitments to develop natural and renewable resources as part of the overall emissions control efforts, now abound the world. Investment in natural and renewable resources becomes even more appealing when advances in technology and global demand are examined, particularly in renewable energy.

GLOBAL GROWTH Remarkable growth in renewable resource exploration, development, and production has taken place around the world since the Kyoto Protocol. In a recent report released by the Energy Information Administration, renewable energy was identified as being the fastest growing energy source for world electricity generation, increasing by an average of 2.9 percent per year from 2006 to 2030. At the same time, total world consumption of marketed energy is projected to increase by 44 percent over the period 200 to 2030.

Even though renewable energy is growing quickly, it has only begun to reach its full potential as noted in *Energy (R)evolution: A Sustainable World Energy Outlook*, a recent report predicts renewable energy, combined with energy efficiency, can deliver half the world’s energy needs by 2050. The report also suggests that it is economically feasible to cut global CO2 emissions by almost 50 percent within the next 43 years. Despite a difficult overall economic climate, investment in sustainable energy achieved another milestone in 2008 as noted by the United Nations Environment Programme and New Energy Finance, 2009:

- A total of \$155 billion was invested in companies and projects globally, a more than four-fold increase over 2004.
- Investment in renewable energy generation projects grew by 13 percent during 2008, to \$117 billion, and new private investment in companies developing and scaling –up new technologies increased by 37 percent from 2007 to \$13.5 billion.
- \$180 billion of fiscal stimulus support for sustainable energy suggests the political will has never been greater.
- 2008 was the first year that new power generation investment in renewable was greater than investment in fossil-fueled technologies.
- The drivers that have propelled investment in the sustainable energy sector so dramatically for the past five years are still at work — climate change, energy insecurity, fossil fuel depletion and new technologies

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NATIONAL GROWTH

Never in the history of the United States has the focus on producing clean and renewable forms of energy been so great. Faced with ever-increasing environmental, economic, and political problems created by the nation's 90 percent reliance on fossil fuels are reassessing our energy policies and have committed to producing significantly greater amounts of clean and renewable energy. President Barack Obama has led the charge by setting a goal of doubling U.S. renewable energy generation in the next three years. With federal government support and growing confidence among investors, the industry is gearing up to meet this goal despite the challenging economic times.

Data presented at the Renewable Energy Finance Forum, 2009, presents an optimistic outlook for renewable energy in the United States:

- \$56 billion in grants and tax incentives for renewable energy and efficiency industries
- An 83 percent carbon dioxide reduction goal set for 2050 by the current administration
- Renewable energy share of the energy mix is forecasted to be 30 percent by 2030
- The amount of new investment capital coming cleantech's way by 2011 is predicted to be \$134 billion

Furthermore, the amount of new investment capital coming cleantech's way by 2012 is predicted to be \$217 billion.

RESOURCE DIVISIONS CMWP is well-positioned to become a leader in sustainable infrastructure development. We have developed **eight resource divisions** that represent dynamic energy and natural resource initiatives. Our approach to alternative energy is to exponentially increase the power generation potential on every project by integrating all viable resources.

CMWP Resource Divisions



CMWP SOLAR



**CMWP
GEO-THERMAL**



CMWP WATER



BIO-ENERGY



WASTE ENERGY

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