

DECENTRALIZING POWER IN WEST AFRICA

Mission Statement

The **QT-Pi** (cutey-pie) intends to change everything about our world and the way we live in it.

It intends to revolutionise our relationships with one another, with ourselves and with our fragile planet. It will do so by engaging the foundational tenet of grace which insists on 'service to others' over 'service to self'. **QT-Pi** will fundamentally transform the way humanity understands energy.

We seek to turn the delivery and availability of power away from the existing centralized governmental, multi national and corporate controlled model, to a completely decentralized, independent smart grid to empowering people, farms and small businesses.

The world is still 2/3 off-grid, and current energy supply systems have little or nothing to offer for far reachable rural regions.

Its not efficient, too expensive and requires an extensive effort to build the common kind of grid infrastructure although its desperately needed. An estimated 6 million people in Sierra Leone (2015) did not have direct access to electricity.

QT-Pi is the most flexible and efficient energy supply system for on-grid as well as off-grid application, and will bring energy abundance to places where extant systems have little or no interest.

The **QT-Pi** arrives in our world at a time when we are at the perfect cross-road in our civilizational dystopia. Both the global economy and ecology are on the brink of catastrophic failure, so-called 'climate-change' and the engineered 'clash of civilisations' are perfect reflections of that planetary malfunction.

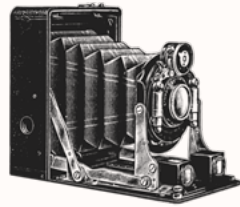
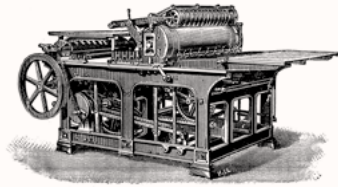
The intelligent introduction of 'free-energy' will see the single

Economic Change

biggest paradigmatic shift on earth in thousands of years. It's where the *meek inherit the earth* and where slavery, poverty, disease, hunger and scarcity no longer describe the source-code of our existence.

The inventor of the QT-Pi walks in the footsteps of our greatest innovators, like Tesla, Velikovsky and Schauberger. With Humanitad the is purposing his life's work toward remediating the civilisational dystopia which greed, fear and engineered scarcity have created.





compass
automobile
airflight

plough
photography
spaceflight

printing press
telephone
computers

electricity
refrigeration
tesla battery



Introducing the *QT-Pi*

the 21st Century arrives

Introduction

Overview

A Humanitad protected innovator '*The Inventor*' has developed a method of generating electricity using high frequency AC current extracted from a created magnetic field. Prototype units are currently in development and are available for demonstration. Funds are needed to complete manufactured units for demonstration of commercialization. Completed power units will be used for two purposes:

- ❖ Standalone generators of 2 kW per hour (48 kWh per day) to 5 kW per hour (96 kWh per day) for home and small business applications.
- ❖ Power applications for electric cars to extend driving range to 500 miles or more between charges initially
- ❖ Power applications for electric boats for extended boating time with no cost of fuel.
- ❖ Power booster applications to increase power output of sources such as wind, solar, etc.

The *QT-Pi* provides the ultimate 'green energy' solution as the following occurs:

- ❖ No resources outside a starting battery are needed to generate power (*no coal, oil, hydrogen, biomass, etc.*). Connection to the grid is also available with roughly 3 times the power output as input.

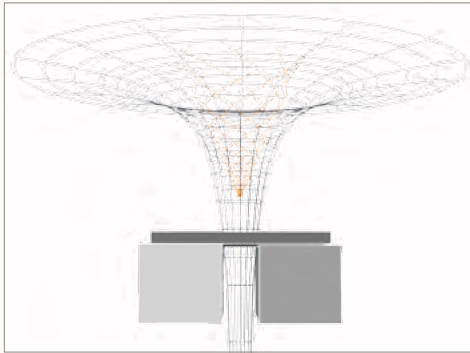
The device will continuously output energy, in perpetuity. There are no moving parts.

- ❖ There are no emissions, no toxic substances, and no harmful EMF's in the technology.

The logo consists of the words "SOLID" and "STATE" stacked vertically. The letters are rendered in a bold, black, stylized font. The "S" and "T" are particularly prominent, with the "T" having a triangular cutout in its center. The overall design is modern and industrial.

The *QT-Pi* – Magnetic Vortex

Harvesting Energy

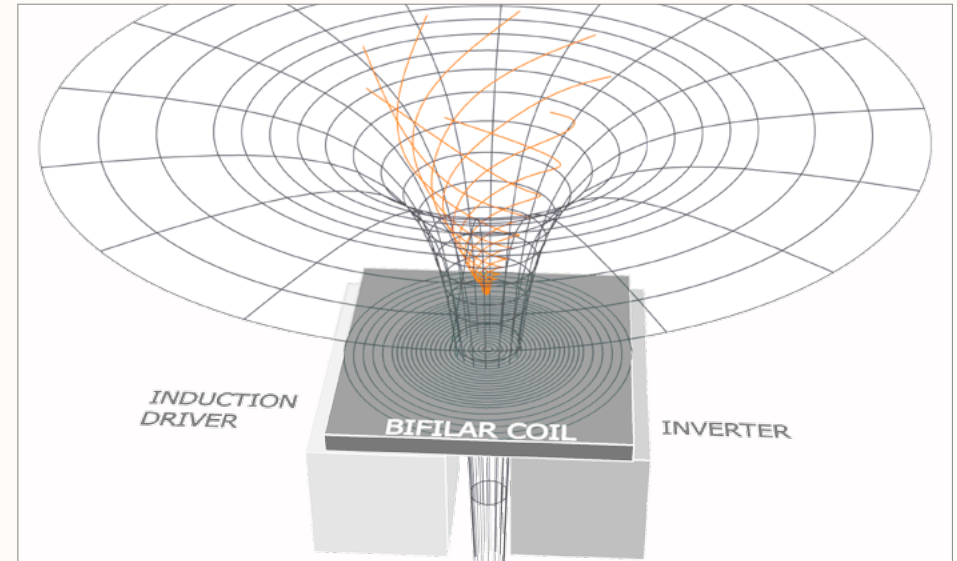
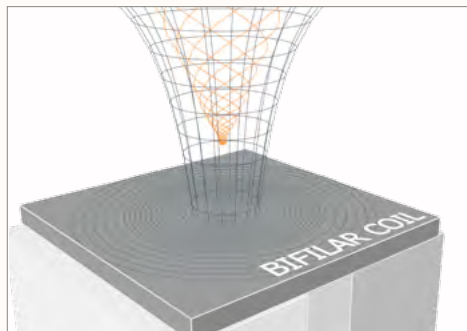


The **QT-Pi** Generator is spinning the generated magnetic field to create high frequency alternating current. This energy harvesting can be proven in third party results from the utility company and can be demonstrated and measured now with

conventional voltage and amp meters.

How does it work?

The electron as a spherical vortex has an electric tension voltage of 511 kW (*effective value*) between its surface and its center. We appear to be moving electron fields through the **QT-Pi**, increasing their angular velocity towards the center.



The electrons, which started as spherical elementary vortices, are pulled apart to vortex rings like planar discs. This concentration of energy to the center of the disc works like a black hole in space. The increased spin can be measured by the use of a magnet measuring the increased vibration rate at the center of the vortex compared to the outside edge of the vortex.

The *QT-Pi* Working Principles

Resonance

'The inventor' has spent roughly 10 years doing tunings for resonance. This is the key to coupling with the magnetic field and obtaining the increase in energy. In the area of longitudinal scalar waves the resonance has to be determined to achieve a condition of same frequency and opposite phase in manifesting the longitudinal scalar wave (LSW) form and the associated benefits of distance transmission, speeds in excess of light, and $COP > 1$.

The wattage used in powering the system is increased substantially by the system resulting in capacity of performance > 1 ($COP > 1$). More energy is output than is input. The harvesting is produced, it appears, by the system pulling energy from the magnetic field. Books have been written on this effect and the production of longitudinal scalar wave by *Prof. Konstantin Meyl* and fully explain in physics terms why this happens.

The use of batteries in the current prototype system are for filtering the high frequency alternating current and not for DC storage. The system can be used very effectively with systems like the *Tesla Battery Wall* but also can be used without battery storage at all.

Development will allow direct energy transmission to inverters for grid tie and direct conversion to alternating current without the need for converting to DC and back to AC.

Disruptive Technology

Harvesting energy from the vacuum/magnetic field has been contemplated as far back as *Tesla* and numerous efforts over the last 100 years have been started to introduce this concept, but due to various factors, until now, it has not been able to be successful commercially. There is no doubt that this technology would be considered disruptive and the implementation will need to be managed. One way to manage is to use the technology as a booster for solar or other current alternative technologies.

The *QT-Pi* team has analyzed market dynamics with a view to appropriate introduction of such a radical and market changing technology.

Background and Outreach

Scalability

Since the power system operates as an open air transponder and only maintaining resonance as the key factor the system does not have to be very large yet, still produce substantial amounts of power. Depending on need, there should be no issues of scalability due to the ability to link or stack **QT-Pi's** together. Initial production units will be in the form of 2kW and 5kW generators. Depending on the need and demand, the generators can be paralleled together to produce multi megawatt power systems.

History

QT-Pi researchers have been programming various, non –energy producing technologies for 9 years, using the foundational technology behind the **QT-Pi**. The initial application of the technology has been an open air system that creates a transmission of information and energy in a longitudinal scalar wave form.

The use of this system for years has provided long term repeatable measurements in substantiating and improving energy harvesting within the system. The biological application of a similar technology has been licensed to an investment firm for commercialization.

Measurements of amps and voltage with previous biological transponder system were made and monitored to insure longitudinal scalar waves were being generated at the maximum power generation possible. This is to insure the quality control of information and energy being correctly imprinted into bands, holograms, lasers, liquids and other programmable material.

Multimeter readings, oscilloscopes, and charge controllers are indicating varying harvesting effects of from 2 to over 5+ times the transmission when measuring amps and volts at specific resonances.

When the size of the array is doubled the readings continue to hold with slight adjustment of the frequency to maintain resonance.

Nikola Tesla verified the readings we are getting over 115 years ago and again *Prof. Konstantin Meyl* has written extensively on these subjects in publications including *Scalar Waves* and proven these exceptions, which open major opportunities.

Nothing like The *QT-Pi*

Current Commercial Energy Generation

Current energy production methods, which are possibilities for boosting, produce energy on a 1 to 1 or less basis ($COP < 1$).

The main power sources for electricity are:

- Coal fired power plants. Under stress from new environmental laws on mercury and other toxic emissions.
- Oil fired power plants. Similar issues to coal. Not environmentally compatible.
- Nuclear power plants. Efficient, but very costly with potential environmental issue from disruption.
- Hydro power plants including new ocean current systems. Clean but costly to install.
- Wind power. Clean but costly to install and inefficient depending on the wind blowing. Some environmental issues.
- Solar power. Inefficient (15%) and depending on the sun shining and limited to daylight generation.
- Geothermal power. Costly and generally environmentally friendly.
- Gasoline powered generators. Higher price for gas to run the generators with pollution an issue from the process
- Battery power. Efficient but have to be recharged frequently.

Current Alternative Energy Devices

Alternative energy units produce energy at low efficiency. Solar, wind, ocean currents and thermal are all operating at generally low efficiency rates. Using ultrasound and the magnetic field could lead to much higher efficiencies and reduce the cost of power substantially.

Decentralized power can be the future of power production with units like the *QT-Pi*. No issue with coronal discharge taking down the grid or other issues like pulse discharge used to intentionally take down a grid. There is zero impact on the environment with the exception of the few raw materials needed to construct the generator.

QT-Pi Core Applications

A 2 KW Generator

A 2KW generator that could be used for the following:

- One generator can power a home as a standalone power source
- One generator could fully power an electric car whereby the electric car would virtually be able to run indefinitely.
- One generator could power small boats with electric motors that would virtually be able to work indefinitely.
- All sources that would require a 2KW or less power demand.
- The 2KW unit could be linked together with other 5KW units to produce as much power as desired.

A 5 KW Generator

A 5KW generator that could be used for the following:

- One generator can power multiple homes when shared. It could power a small office building, retail space and other standalone operations that require up to 96 kWh a day.
- One generator could fully power an electric truck whereby the electric truck would virtually be able to work indefinitely. This would completely revolutionize the transportation industry.
- One or more generators linked together could power boats and ships with electric motors that would virtually be able to work indefinitely.
- The 5KW unit could be linked together with other 5KW units to produce as much power as desired. This would be the foundational component for power plants.

QT-Pi Products and Initial Market Approach

QT-Pi Box

QT-Pi will first start its operations in the B2B sector in Sierra Leone targeting the market with high energy consumption. We seek to build a significant number of customers in the first 9-18 month from operational start. These business services will be based on an exclusive lease model of the **QT-Pi** (5MW). The **QT-Pi Box** ease product will have a robust design and comes with full service and maintenance.

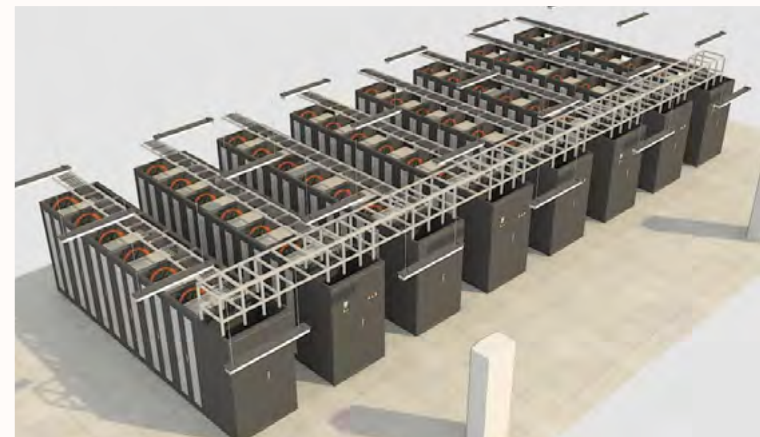


QT-Pi Box

QT-Pi Power Station

This **QT-Pi Box** will fit in a 19" rack like commonly used in the IT industry and for server farms. For larger power requirements we will be offering arrays of parallel installed **QT-Pi** units. The **QT-Pi Station** is scalable, extendable and will perfectly fit our customer needs.

In the near future we plan to add consumer models as carry on devices with multiple additional features, like a loading dock for phones, computers, etc, a storage module incl. display (for music player) and outlets for speakers.



QT-Pi Power Station

QT-Pi – Financial Forecast

Rental Model Pricing

The average rental price for a 5KW **QT-Pi Box** is expected to be around \$200 per months. This includes service and maintenance.

Unit Production Costs

The cost on the 2KW and 5KW unit is estimated to be less than \$250.

Profit margins

The estimated profit margins are extraordinary and will be added to by opportunities from licensing, revenue sharing, etc.

Development Capital Needed

Financials by separate document affixed.

The *QT-Pi* System Testing

Examples of current system testing

Previous systems used in biological systems are proprietary in the agreement with the investor so cannot be shown.

This is a basic test system. We have not added capacitors and the wiring and switches are undersized as we measured the flow through the system. The 6 lights are 500 watt halogens to show the power is real and the resistance we need in the system will be with resistors and not lights.

The meter on the left registers 843 watts in grid current being used to run the system and the meter on the right is showing 763 watts going to the grid. The lights are roughly 3000 watts which can be converted to the grid.

This set up is all high frequency **AC** and shows 15 lights many of which are 250 watt heat lamp bulbs. We have used heat as a proof of power and we could double this configuration and still have all the lights glowing.

The key to what we are doing is converting the high frequency **AC** to **DC** and then back to **50 or 60 Hz AC** with grid tie inverters. We will then start eliminating the batteries and ultimately have

a direct feed to the inverters lowering the cost and footprint of the system dramatically.

In the case of solar we can feed the solar power to a set of batteries and then power an off grid inverter to power our energy generator for output to the grid through grid tie inverters. This process would increase the power of the solar collection substantially.

This view shows an interesting discovery. If we add a solid state relay and pulse the system at a certain beat we can actually lower the grid power being used and dramatically.

By using capacitors the system has stored energy so using the right pulse rate reduces the energy input by constantly turning off and on the grid power.

The input then becomes an average. So if we are pulling 800 watts from the grid and turn the power off and then on again the power averages the input from roughly 12 watts up to 800 watts. So the average can be as low as 250 watts instead of the 800 watts the system is using.

This in itself creates a COP > 1.

Strategic Plan for Manufacture & Distribution of *QT-Pi*

Sierra Leone - As Trial *Developing* Market in West Africa

Sierra Leone is the perfect opportunity for creating an exemplary decentralised energy model in West Africa. It requires an additional 10 GW of energy to cover the electricity needs of the country and has no means of realising it. Sierra Leone's current electricity supply capacity is at a total of 100 MW which consists of 56 MW from Hydro Power and 44 MW from fossil fuel. Only 12% of the population has access to electricity (2% in rural areas). Many parts of the country have no grid access at all.

The grid is very old and distribution lines were destroyed during civil war. Black-outs are common, which led to large private sector generation, especially in industry. Many companies rely on generators. The demand for electricity is much higher than the unstable supply and the fossil fuel powered one comes at a high cost.



Strategic Plan for Manufacture & Distribution of *QT-Pi*

The Solution- The QTPi

Humanitad have exceptional relations and access to both the government and the energy sector leaders.

The 5KW QT-Pi units that can be arranged in arrays of multiple unit to perfectly fit power requirements. So many units can be combined to much higher output QT-Pi-farms fitted in containers with an output in the MW range. This means any size of electricity needs can be met. From a single house hold stand-alone up to many MW for industrial machines and factories.

The QTPi can be grid connected or stand-alone self-powered (higher price because of more complex design). This makes the QTPi a perfect solution for Sierra Leone:

- ❖ It can provide power even to the remotest villages without the need of any infrastructure

- ❖ It can run in micro-grids with multiple QTPis joined together, which gives it incredible supply stability despite a faulty grid
- ❖ It can be connected to the main grid in multiple locations (even every transformer station) to provide municipal electricity.

Lo-scale manufacture and roll-out can being on the the peninsula of Freetown. With a small warehouse and staffing, we believe we can be in production in the beginning of 2017. The solid-state units will be secured with kill-switches and will even be remotely controlled.

The Sierra Leone *QT-Pi* Market

Current situation in Sierra Leone

The Sierra Leone electricity sector is extremely challenged with a vast growing power demand and outdated partly broken grid infrastructure.

Moreover, more than 6 million Sierra Leone people, around 85% of the total population, still lack basic access to electricity.

Currently pretty much all off-grid generation is done with diesel generators. There are no reliable numbers available on the exact amount.



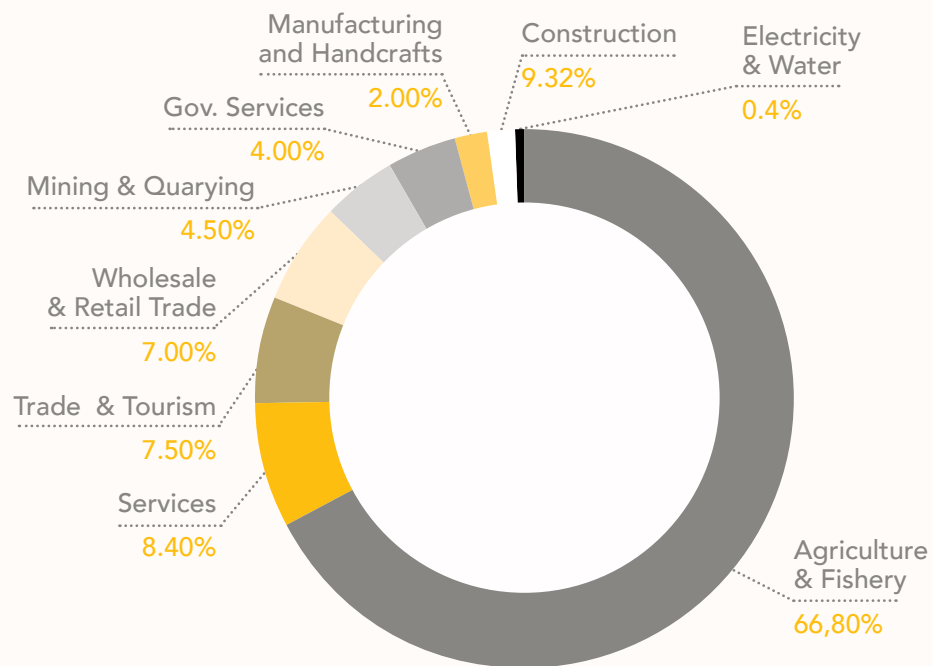
Sacha Stone (center) and the Minister of Energy (second right) of Sierra Leone



Humanitad delegation and H. E. Victor Bockarie Foh (center)
Vice President of Sierra Leone

The West African *QT-Pi* Market

Sierra Leone GDP by Industrial Origin
(% Total Share), 2015



Anticipated Corporate Structure

A **QT-Pi** assembly facility will be setup in Sierra Leone as (SL) Limited.

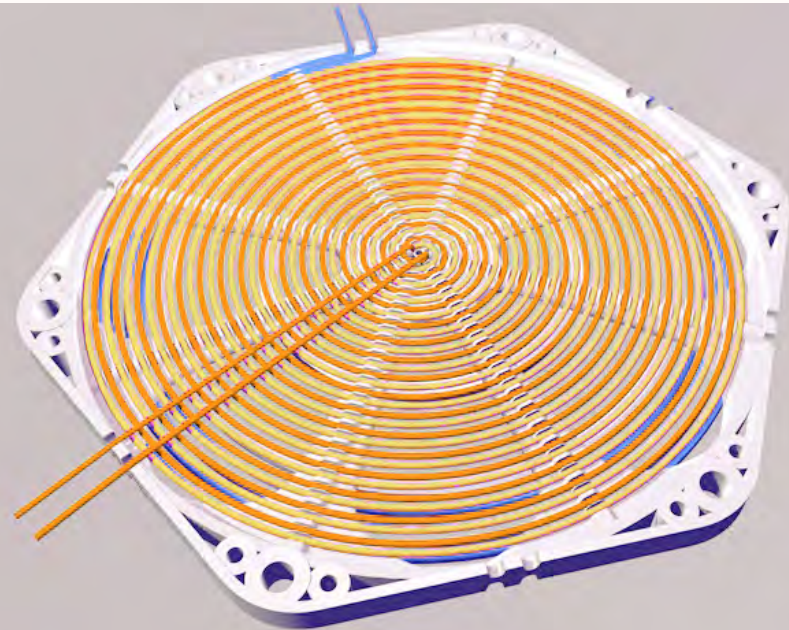
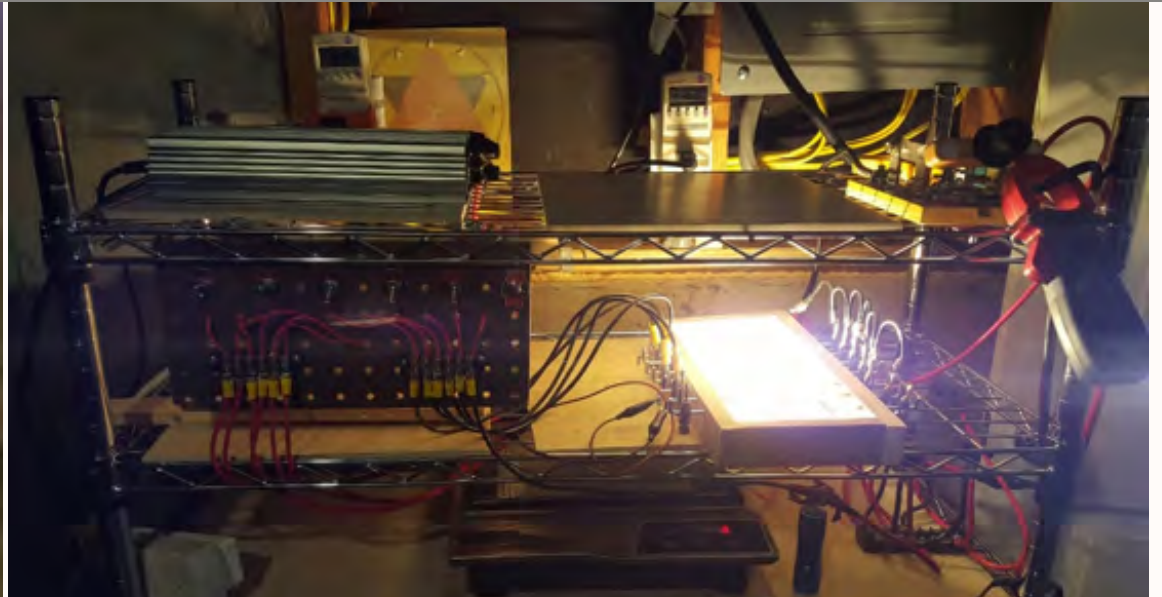
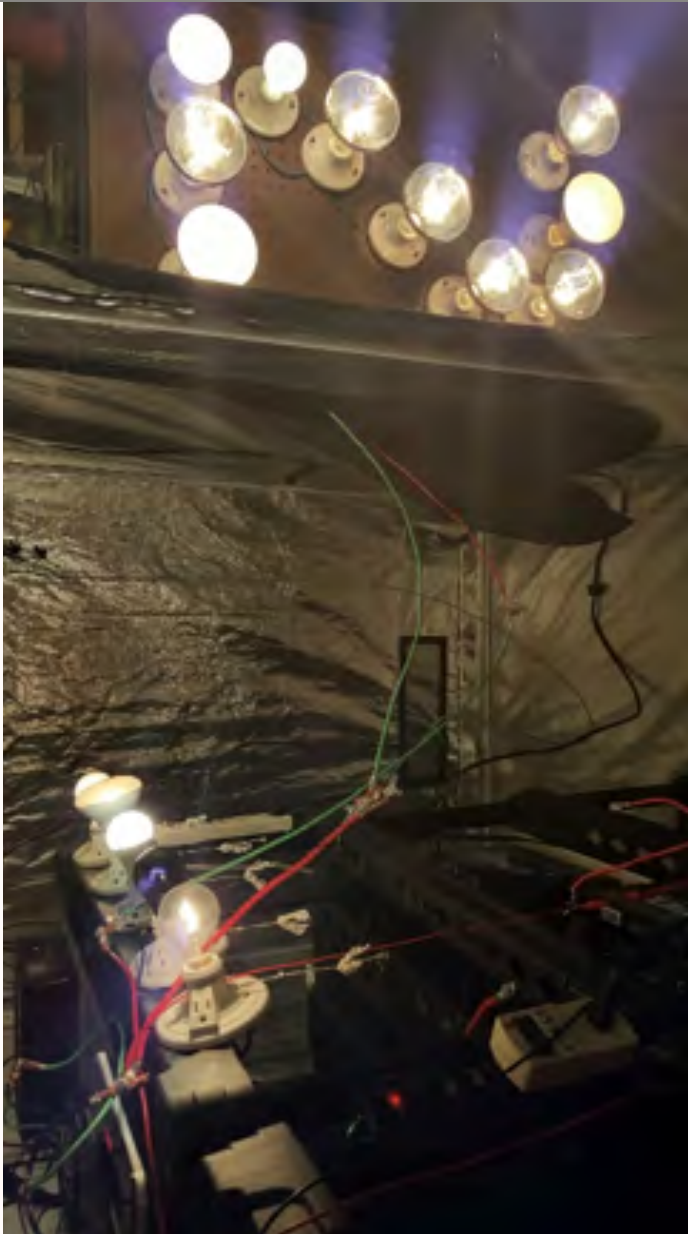
The company name will be **QT-Pi Sierra Leone (SL) Ltd.**

The target market is Sierra Leone and West Africa.

Shareholders

→ 100% QT-Pi Holding Limited (headquarter in Ireland)

The *QT-Pi* Development Lab Impressions



International Marketing, Diplomacy & Commercial Affairs



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Sacha Stone (Humanitad Founder) has served as Director General for IREO: United Nations IGO (*Intergovernmental Renewable Energy Organisation*). In this capacity he has engaged at the highest diplomatic levels and engendered multilateral initiatives to effect. He launched the *Exemplar-Zero Initiative* via *Humanitad* and the *IREO* in 2010. In 2012 and 2013 Stone chaired the Global Breakthrough Energy Movement conferences in both Europe and the United States

Wolfgang Knoerr is a core Humanitad and New Earth Project Director based in Berlin. He acts as oversight in multimedia, I.T., branding, financial and strategic affairs

Frederik Stimmel is Humanitad's Chief Science Officer since 2010 and is domiciled in Bali, Indonesia. He is working directly on continued R&D under the **QT-Pi** inventor (*who remains anonymous under the aegis of Humanitad Foundation*)

Humanitad Foundation has protected both science and technology innovators for over fifteen years with an international reputation for effective diplomacy coupled to uncompromising integrity