

Mission Statement: the ground-breaking QT-Pi (cutey-pie)

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 availablity 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. For

example, an estimated 63 million people in Indonesia (2013) 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 biggest paradigmatic shift on earth in thousands of years. It's where the *meek inherit the earth* and where slavery, poverty,

Innovation at the vanguard of planetary shift...

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 he is purposing his life's work toward remediating the civilisational dystopia which greed, fear and engineered scarcity have created.







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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.

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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 *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 of 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.

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 begin operations in the B2B sector in Bali, and then across other parts of Indonesia, targeting the huge tourism market and other sectors with high energy consumption. We seek to build a significant number of customers in the first 6-18 month from operational start. These business services will be based on an exclusive lease model of the **QT-Pi** (5MW). The **QT-Pi** Box product will have a robust design and come with full service and maintenance.

QT-Pi Egg

This B2B roll-out model will be accompanied by our **QT-Pi** consumer products about 12-18 month after operational start. We will be offering 2 different consumer products the glowing **QT-Pi Egg2** (2MW) and **QT-Pi Egg5** (5MW). Both will have the shape of an egg and come with a beautiful color changing led lamp and a remote control to manage color settings (changing, stable, etc...).

For future models we plan to add additional features, like a loading doc for phones, computers, etc, a storage module incl. display (for music player) and outlets for speakers.



QT-Pi – Financial Forecast

Rental Model Pricing

The average rental price for a 5KW *QT-Pi* **Box** is expected to be around \$200 per month in the Indonesian market-place.

This price-bracket could include service and maintenance.

Retail Unit Production Costs

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

The cost on the **5KW** unit is expected to be less than \$500.

Retail Unit Sales Price

Based on the cost of the 2KW **QT-Pi Egg2** Generator it can be made available at an anticipated retail pricing of \$5,000 USD.

Based on the cost of the 5KW **QT-Pi Egg5** Generator it can be made available for an anticipated retail pricing of \$10,000 USD.

*Prices above do not include grid-tie inverters which are a relatively negligible cost-factoring.

Profit margins

The estimated profit margins are certainly unprecedented in the history of energy technology manufacture and deployment vs return, and will be augmented 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**

Indonesia as Prime Market

Indonesia is the perfect opportunity for creating an exemplary decentralised energy model with 17 000 islands making up the nation. It requires an additional 20GW of energy and has no means of realising the same.

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

Low-scale manufacture and roll-out can begin on the island of **Bali** close to our headquarters. With a small warehouse and staffing, we believe we can be in production within a few weeks. We can lease **QT-Pi** units to luxury villas, hotels and resorts as well as small businesses, offering a substantial reduction in energy bills to clients.

The solid-state units can be secured with *resonance malfunction* and/ or *kill-switches* and can be remotely controlled. This measured approach will enable us to create an intelligent revenue model very quickly, whilst we continue with the necessary R & D of the **QT-Pi** and engage the diplomatic negotiations with central and municipal government for tailored solutions to Indonesia's full-spectrum trillion dollar energy rmarket.



The Indonesia **QT-Pi** Market

Current situation in Indonesia

The Indonesian electricity sector is extremely challenged with a vast growing power demand and outdated (partly broken) grid infrastructure.

The country's strong economic growth (6.1% in 2010) and the expanding middle-class have stimulated a rapid surge in demand for electricity. This has not been matched by increase in supply, and the state-utility PT Perusahaan Listrik Negara's (PLN) has been forced to implement frequent rolling blackouts.

Moreover, more than 86 million Indonesians, around one third of the total population, still lack basic access to electricity. Since 2008, the electrification rate has fallen from 67% to 65%, and the number of people without electricity access has increased by more than 2.5 million per year.

This is in sharp contrast to the Indonesian government's goal of 90% national electricity coverage by 2020. Current generation capacity is ca.50 GW and it is safe to say that at least another 30-40 GW are required to meet the ever growing need.

One reason for the difficulties and the slow centralized electrification is the fact that Indonesia consists 17.000 islands. Currently pretty much all off-grid generation is done with diesel generators. There are no reliable numbers available on the exact amount.

The figure shows the shares of total installed on-grid generation capacity by technology for Indonesia in 2010. Source: Indonesia Infrastructure Report (2010)

So far only a small amount (10%) of the electricity is generated as renewable energy and almost none with photo-voltaic technology.

There are no subsidies for PV or other alternative energy technologies in Indonesia and only recently household grid feed-in has been legally sanctioned. Although Indonesia is rich in coal and natural gas the current government is determined to take a stance in green technologies.

The Indonesia *QT-Pi* Market

Indonesian GDP by Industrial Origin (% Total Share), 2014



Indonesian Electricity – Basic Figures

- ----> Electricity production: 185.3 billion kWh (2012)
- ----> Electricity consumption: 167.5 billion kWh (2012)
- *** 83.2% from fossil fuels
 11% hydroelectric
 5.8% other renewable resources



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Corporate Structure

QT-Pi will be set up in Bali, Indonesia as PMA, Penanaman Modal Asing, (Foreign Direct Investment).

The company name will be **QT-Pi Indonesia PMA**.

QT-Pi Indonesia PMA headquarter will be located in Bali.

The head office and the final assembly will be in Bali.

The target market is Indonesia.

10 Billion IDR Indonesian Rupia (~\$721,500) is the legally requested founding capital for a foreign invested PMA and a minimum of 25% of that sum has to be put down at date of registration.

The company will have the following executive body:

- ----> Shareholders
- ---- Board of Directors
- -----> Humanitad Advisory Board

Shareholders

- -----> Quantum Technologies (The Inventor)
- ----- Investor(s)

The *QT-Pi* Development Lab Impressions



under aegis of Humanitad Foundation

International Marketing, Diplomacy & Commercial Affairs



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wolf@humanitad.org berlin +49-163-5585 259 **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

Dr Dezso Benedek (Humanitad Trustee) is an internationally reputed scientist & educator. As Presidential Advisor to select governments and speaking over twenty languages he is expert in international brokerage

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