

# Proper Gravitation Energy PGE: Human sustainable energy (3rd edition)

## Shanghai MS&O Project Management Affairs Office

PGE (Proper Gravitational Energy) develops strict implementation of latest energy modernization standards as follow:

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1. No filler replenishment required. Fillers refer to fuels, such as oil and gas, radium and Plutonium, heavy water, charged electricity, etc. (supplementation seriously hinders energy-using mobility and sustainability);
  2. No need for long distance power-transportation. For full employment, it only needs to be transmitted within the industrial park;
  3. No energy-using time limitation. As long as the life of the parts is not terminated, energy can be continuously used without any restrictions;
  4. No waste emission and storage required. Waste materials include harmful exhaust gas, waste residue, waste liquid, etc.
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To fully understand what is PGE and how to get PGE, it requires considerable level of theoretical physics and technology of electronic circuit. This article seeks to explain as easy as possible what is PGE and why PGE is human sustainable energy.

PGE is an Abbreviation for Proper Gravitational Energy in English. The so-called proper or intrinsic gravity is not general gravity, but gravity that is linked to the static mass. To understand this, we need to know the important physical law about wave-particle duality

Wave-particle duality refers to both the characteristics of waves and particle characteristics. In classical studies, objects are always clearly differentiated into two categories: waves and particles. Light is an example of the former; the latter is what people often mentioned matter. Einstein's 1905 doctrine made people begin to realize that light waves have the dual nature of waves and particles. In 1924, de Broglie put forward the hypothesis, believing that, like light, all matters have wave-particle duality. According to this hypothesis, electrons also have waving phenomenon, which is confirmed later.

The discovery of proper/intrinsic gravitational energy, as theoretical predictions, once again confirms that the proper mass of electron, not only creates current in the form of particles, but also waves in the air to form electromagnetic waves. This kind of electromagnetic wave resulting from the proper mass is a kind of special gravitational wave. Its electromagnetic force is a special kind of gravitation, and its electromagnetic energy is a kind of special gravitation energy called as the Proper Gravitational Energy (PGE).

PGE is full spectrum energy of which the photo-voltaic or CSP energy is only a part (with different manner to get it in our machine). Receiving in unit volume measurement (i.e. can be superposed on layers) for proper gravitational energy is far better than measured only in unit of area (i.e. only one layer, can not be superimposed) for photo-voltaic energy. PGE energy on our Earth which can be got is infinite, there is no end to their exploitation - far more than all the petroleum oils obtained plus to be obtained; in addition, the proper gravitational energy is all-weather and any-direction; furthermore, among all existing energy sources, including coal, petroleum, thermal power, hydro power, nuclear power and photo-electricity, the preparation for proper gravitational energy production is shorter (no need for digging deep mine, or laying long pipe, or building large dam, or elevating high-tension lines, or occupying vast area of land, etc.) and the proper gravitational energy production cost is lower. Therefore, the gravitational energy becoming a main human choice for green energy has been just around the corner of the trend.

We have completed the theoretical mechanism of PGE in the 1980s and 1990s and successfully discovered PGE electromagnetic signals from the air in early 2011. We acquired PGE in the air in 2014 and driven electrical equipments such as computers, electric fans, electric lights and etc. In 2017, fulfil automatic control for PGE production. At present, is planning to build various PGE product factories.

In fact, PGE is the only sustainable energy mankind has ever obtained. We have already published the theoretical mechanism of PGE in international academic journals,

(get from: <http://www.physicsessays.org/browse-journal-2/product/1573-17-liu-li-wang-from-einstein-field-equation-to-essential-quantization.html>) .

At the same time we are willing to transfer technology. Hope that PGE can accelerate the development to be flowers bloom in energy.

PGE Reference:

- 1) folder "Product Catalog" on web: [www.shmsno.com](http://www.shmsno.com)
- 2) folder "News" on web: [www.shmsno.com](http://www.shmsno.com)

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# 固有引力能 PGE：人类的可持续能源

## （第三版）

上海牧斯骛工程管理事务所

PGE 是固有引力能 Proper Gravitational Energy 的英文缩写。

要完全理解什么是 PGE 和如何获得 PGE，需要相当的理论物理水平和电子线路技术。本文力图用尽可能易懂的文字解释 PGE 是怎么形成的和为什么 PGE 是人类的可持续能源。

所谓固有引力并非一般的引力，而是和固有质量即静止质量相联系的引力。为清楚这一点，需知波粒二象性这一重要物理规律。波粒二象性指同时具备波的特质和粒子的特质。在经典研究中，对象总是被明确区分为两类：波和粒子。前者的例子是光，后者则组成了人们常说的物质。爱因斯坦 1905 年的学说使人们开始意识到光波同时具有波和粒子的双重性质。1924 年，德布罗意提出“物质波”假说，认为和光一样，一切物质都具有波粒二象性。根据这一假说，电子也具有波动现象，这在以后被证实。

固有引力能的发现如理论的预示再次证实了电子这些物质的固有质量即静止质量不但以粒子的方式形成电流，而且以波的方式散布在空中形成电磁波。这种源自固有质量的电磁波是一种特殊的引力波，其电磁力是一种特殊的引力，而其电磁能是一种特殊的引力能称为固有引力能。

固有引力能是一种全频谱能量，所谓光伏能只是其中的一个部分。以单位采能体积计量(即可以一层层叠加)的固有引力能远胜于只能以单位采能面积计量(即只能一层不能叠加)的光伏能。

在地球上可开采的宇宙固有引力能是无限的，对其开采没有止境；固有引力能又是全天候、全方位的。而且，在现有能源中，包括煤炭、石油、火电、水电、核电及光电等，固有引力能投产准备期短（无需挖深矿、铺长管、筑大坝、架高压线、占大片土地等），其效率（输出功率/输入功率）高而投产和生产成本低。因而固有引力能成为人类首选绿色能源已经是指日可待之趋势。

我们在上世纪（廿世纪）八、九十年代业已完成 PGE 的理论机制，2011 年初成功在空中发现 PGE 电磁讯号，2014 年从空中获取到 PGE 并驱动了电脑、电扇、电灯等电器，2017 年实现 PGE 生产过程的自动控制。目前，正筹建各类 PGE 产品制造厂。

事实上，固有引力能 PGE 是人类至今唯一的可持续能源。我们已经在国际性学术杂志上发表了 PGE 存在性和特征性的理论机制（取文网页：<http://www.physicsessays.org/browse-journal-2/product/1573-17-liu-li-wang-from-einstein-field-equation-to-essential-quantization.html>），同时愿意技术转让。希望 PGE 加快发展、百花争艳。

PGE 参考资料：

- 1) [www.shmsno.com](http://www.shmsno.com) 上的产品目录
- 2) [www.shmsno.com](http://www.shmsno.com) 上的企业信息

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