CLAIMS

1. A method for converting renewable energy into renewable energy credit points comprising the steps of:

installing renewable energy generating equipment in at least one building for generating renewable energy, the generated renewable energy catering to the energy requirements of the at least one building and resulting in surplus renewable energy;

exporting the surplus renewable energy to a power grid;

obtaining an energy measurement by measuring the exported renewable energy with a energy meter device at a polling interval;

storing the energy measurement obtained at each polling interval in the energy meter device;

uploading at an uploading interval, the stored energy measurements from the energy meter device to a server;

consolidating the energy measurements uploaded in the upload interval to arrive at an accumulated energy measurement for the uploading interval; and

applying a conversion rate to the accumulated energy measurement for the uploading interval to obtain an equivalent value in renewable energy credit points, wherein the conversion rate is a ratio between renewable energy credit points and renewable energy.

2. The method of claim 1 further comprising the step of selling the renewable energy credit points acquired by an operating company with the equivalent value in energy based on the conversion rate to an energy consumer.

3. The method of claim 1 further comprising the step of selling the renewable energy credit points acquired by an operating company without the equivalent value in energy based on the conversion rate to an energy consumer.

4. The method of any one of the preceding claims wherein the polling interval is any one of the following: every second, every minute, every half hour and every hour.

5. The method of any one of the preceding claims wherein the uploading interval is any one of the following: every second, every minute, every half-hour and every hour.

6. The method of any one of the preceding claims wherein the uploading interval is equivalent to the polling interval.

7. The method of any one of the preceding claims wherein the uploading of the stored energy measurements from the energy meter device to the server is done wirelessly via a communication module of the energy meter device.

8. The method of any one of the preceding claims wherein the conversion rate is a ratio of one renewable energy credit point to 1 kWh, or a ratio of one renewable energy credit point to 1000 kWh.

9. A system for converting renewable energy into renewable energy credit points comprising:

a server,

renewable energy generating equipment installed in at least one building and configured to:

generate renewable energy, the generated renewable energy catering to the energy requirements of the at least one building and resulting in surplus renewable energy; and

export the surplus renewable energy to a power grid; and

at least one energy meter device configured to:

obtain an energy measurement by measuring the exported renewable energy at a polling interval;

store the energy measurement obtained at each polling interval; and

upload at an uploading interval, the stored energy measurements to the server;

wherein the server is configured to consolidate the energy measurements uploaded in the uploading interval to arrive at an accumulated energy measurement for the uploading interval and apply a conversion rate to the accumulated energy measurement for the uploading interval to obtain an equivalent value in renewable energy credit points, and wherein the conversion rate is a ratio between renewable energy credit points and renewable energy.

10. The system of claim 9 wherein the renewable energy credit points acquired by an operating company with the equivalent value in energy based on the conversion rate are sold to an energy consumer.

11. The system of claim 9 wherein the renewable energy credit points acquired by an operating company without the equivalent value in energy based on the conversion rate are sold to an energy consumer.

12. The system of any one of claims 9 to 11 wherein the polling interval is any one of the following: every second, every minute, every half hour and every hour.

13. The system of any one of claims 9 to 12 wherein the uploading interval is any one of the following: every second, every minute, every half-hour and every hour.

14. The system of any one of claims 9 to 13 wherein the uploading interval is equivalent to the polling interval.

15. The system of any one of claims 9 to 14 wherein the at least one building comprises a plurality of buildings, and wherein one or more of the at least one energy meter device is configured to obtain an energy measurement from multiple ones of the plurality of buildings by measuring the exported renewable energy from each of the plurality of multiple buildings at the polling interval.

16. The system of any one of claims 9 to 15 further comprising a wireless communication module coupled to the at least one energy meter device, and wherein the at least one energy meter device is further configured to upload the stored energy measurements from the at least one energy meter device wirelessly to the server via the wireless communication module.

17. The system of any one of claims 9 to 15 wherein the at least one energy meter device comprises a wireless communication module, and wherein the at least one energy meter device is further configured to upload the stored energy measurements from the at least one energy meter device wirelessly to the server via the wireless communication module.

18. The system of any one of claims 9 to 17 wherein the conversion rate is one renewable energy credit point to every 1 kWh, or one renewable energy credit point to every 1000 kWh.