

# Garper Smart Metering

A Garper Technology & Development Company

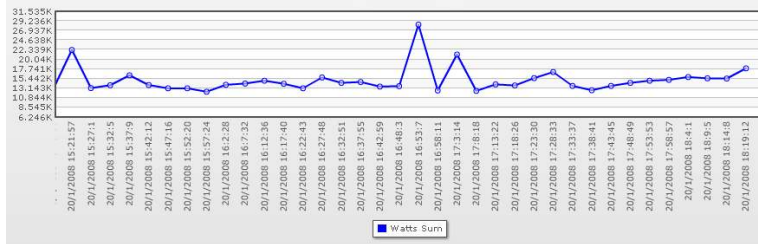
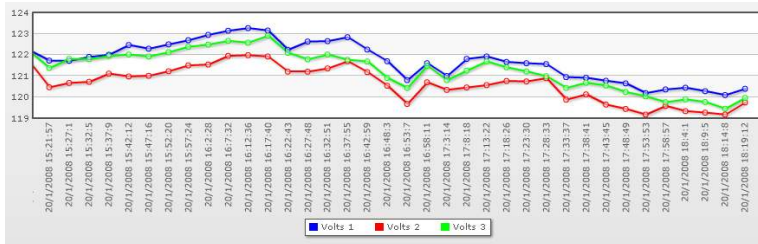
As a result of:

- High energy costs
- Competition
- Global environmental contamination
- Businesses social compromise to reduce global warming
- Incentives handed by NGO's, Governments and/or Utilities

The need for verification mechanisms able to accurately measure and quantify energy savings has become a necessity in today's world.

To achieve this, GES Telemetry Services allows customer to:

- Measure, in real time, the patterns and values of electricity consumption and GHG emission associated.
- Provide quick verification of energy efficiency measures adopted
- Eliminate the risk of incorrect measurements by conventional procedures.



With GSM you can:

- Find glitches in your electrical infrastructure
- Determine how to best solve these discrepancies
- Monitor the behavior of your electrical system, in real time
- Asses and measure newly adopted energy efficiency measures

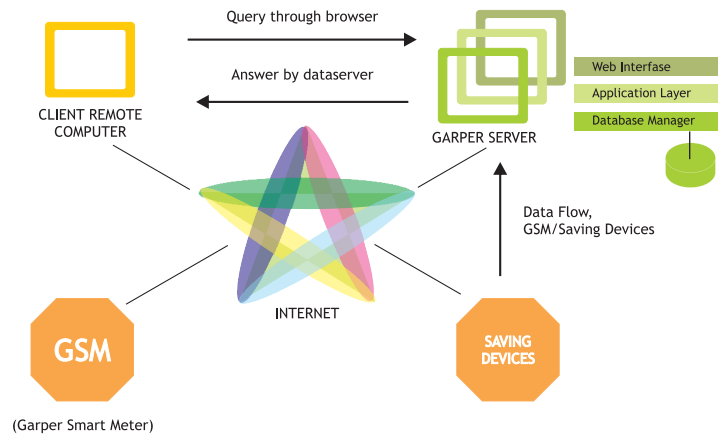
**USA**  
8350 NW 52nd Terrace, Suite 209  
Doral, FL 33166  
T (305) 499 97 41  
F (305) 448 17 12

[Info@garperenergy.com](mailto:Info@garperenergy.com)  
[www.garperenergy.com](http://www.garperenergy.com)

**Colombia**  
Bogotá  
Carrera 9 #71-81 Of. 203  
T +571 317 82 41 / F +571 317 82 42  
Barranquilla  
Calle 1F No. 2-63 Bodega 1 Modulo 2.  
Zona franca industrial  
T +575 344 78 54 / F +575 344 78 55

## How it Works

Our GSM software electronically measures energy variables in any given electrical system. This data is stored and then uploaded to Garper's Technology and Development database server through the internet. Extracted data consumption can then be easily accessed / downloaded through GT&D's online software at:  
<http://metering.garperenergy.com>.



## Benefits

	Client	Utility	Reg. Agency	Environment	ESCO
Verify and adopt energy saving actions	✓				
Determine where energy is being lost	✓				✓
Find anomalies in the electrical system	✓	✓			✓
Manage energy consumption patterns		✓			✓
Instant electronic detection of system failures	✓	✓			✓
Electronic detection of unusual consumption of energy by unauthorized parties	✓	✓			✓
Consumption verification prior to bill payment		✓			
Quantitative measure of newly adopted energy efficiency measures	✓		✓	✓	✓
GHG emission reduction measurement				✓	
Diagnose power quality of energy supplied by the utility and/or consumer by end user	✓	✓	✓		✓
Determine voltage spikes and quantify consequences	✓	✓	✓		
Benchmark for future consumption patterns and malfunctions	✓	✓	✓	✓	✓
Optimize energy generation capacity		✓	✓		
Balance feeder-load at specific time and pre-determined interval		✓			
Determine load consumption and detect overloads in real time	✓	✓			✓
Automated monitoring and reports of energy consumption	✓				✓
Energy budget control	✓				

The Greenest Way to Save Energy

**USA**  
8350 NW 52nd Terrace, Suite 209  
Doral, FL 33166  
T (305) 499 97 41  
F (305) 448 17 12

Info@garperenergy.com  
www.garperenergy.com

**Colombia**  
Bogotá  
Carrera 9 #71-81 Of. 203  
T +571 317 82 41 / F +571 317 82 42  
Barranquilla  
Calle 1F No. 2-63 Bodega 1 Modulo 2.  
Zona franca industrial  
T +575 344 78 54 / F +575 344 78 55