



**STEAMPRO-CUSTOM-DESIGNED
POWER SAVER**

(SP-PS)



1. We conserve the present.
2. We promise to maintain the freedom available to you.
3. We will change the future environment.

The Need to Have **SP-PS**

- **Electricity cost** is one of the main expenditure of medium and heavy industries.
- **Wasting energy** is depleting natural resources like coal and any fuel.
- Excessive usage of energy are **environmentally unfriendly**

..... Conserving the above shall bring about improvement in your bottom line.....

And a green Mother Nature which we borrow from our next generation.....

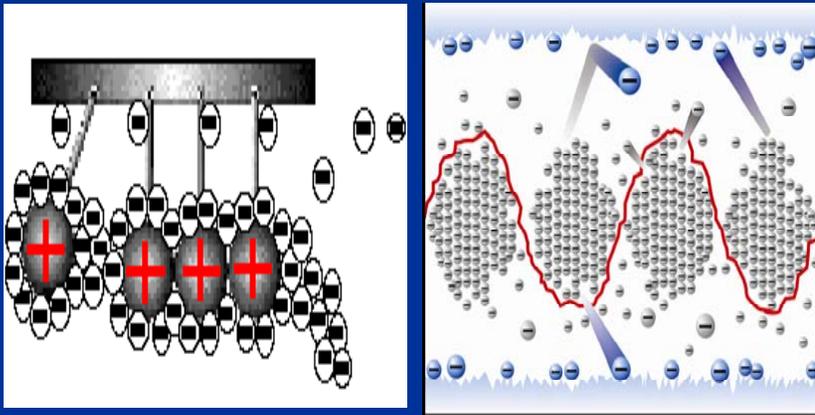
Principle of SP-PS:

recovering the LOSS energy

into USABLE energy

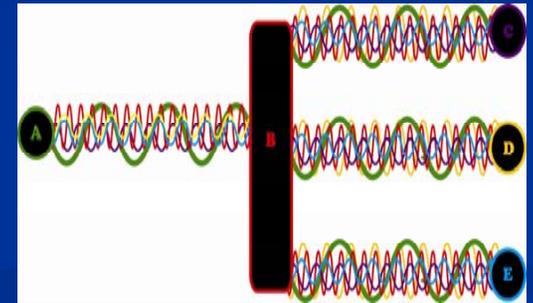
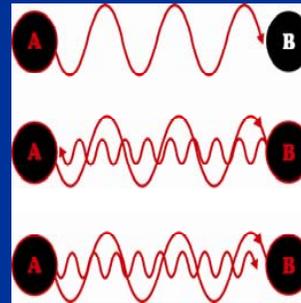
<Reasons for Electricity Loss>

Electricity is transmitted by electric charges and transfer. The atomic nucleus is heavier than the electric charge like the picture below.



The process above shows that the electric charge cannot be transmitted completely.

Electronic charge combine and transmit with the electric field and the magnetic fields. Electricity is organized by an electromagnetic waves and electromagnetic transfer. Electricity loss occurs when high frequency, harmonics, low frequency, and extremely low frequency come together. They are caused by the oscillation of sound, noise, and heat generator.

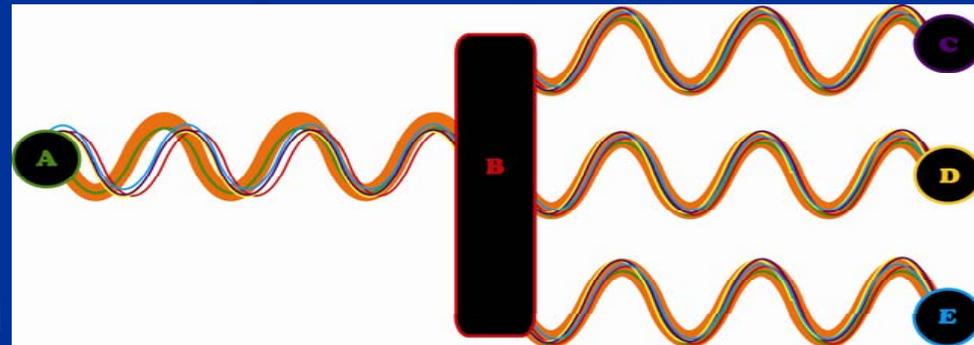
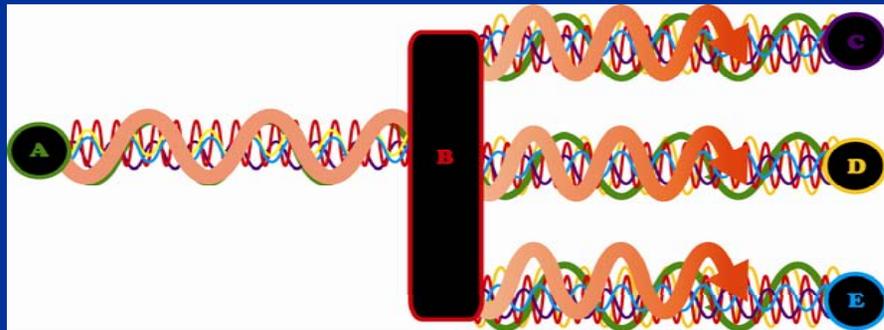
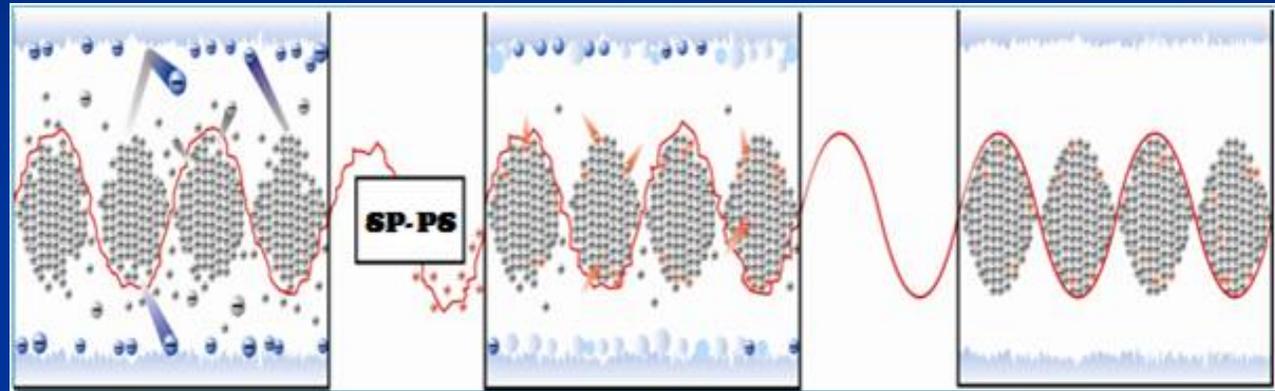


Electricity is moving from A to B. But the load cannot be received completely because high frequency, harmonics, and low frequency become other elements. This is the main reason for electric loss.

< Improvement System for Electricity Loss > - SteamPro Power Saving System

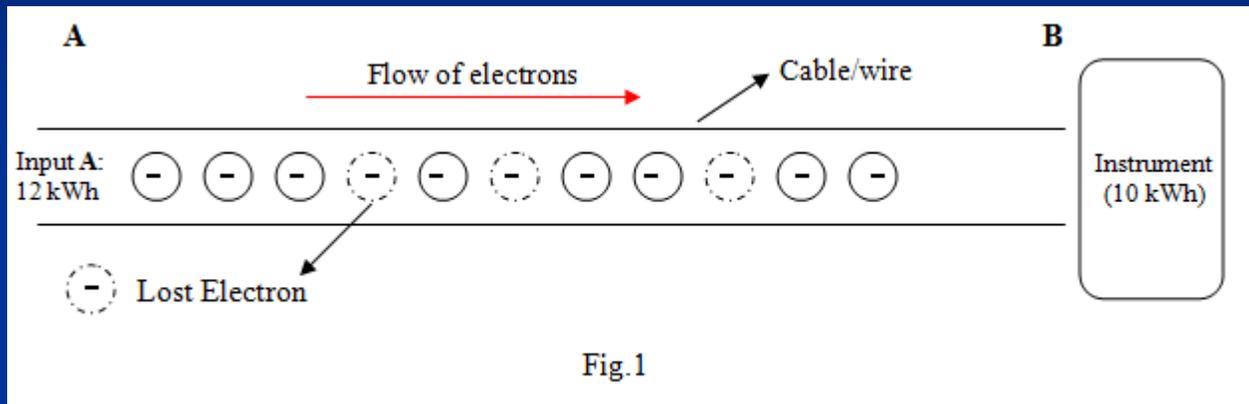
Our current product, EMF-4, has a strong electrical power.

Electric material force-7(EMF-7) is the updated version of EMF-4. This has a stronger electrical power. About 0.06A~0.09A is the wave lengths of electricity of good quality. They move faster than other electrical currents. Free electrons move fast and can rotate. We can reduce the interruption of bound electrons. So the circulation of electrons and can run more smoothly.



SP-PS Technology

A) Before Installation of SteamPro Custom-Designed Power Saver:



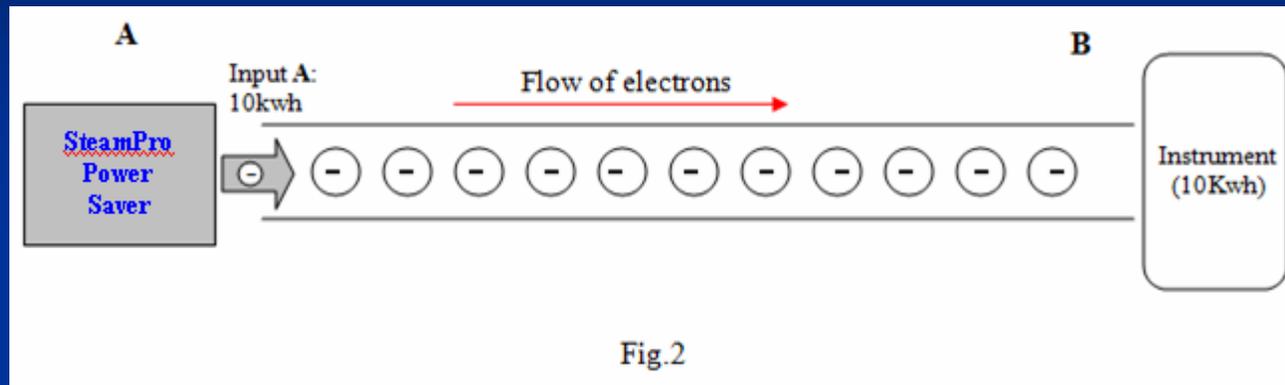
Based on the above diagram, the kWh consumption of the instrument (motor, chiller...) is 10kWh. However, during the energy transmission from point **A** to point **B**, there is a 2 kWh of energy losses due to:

- Cable/wire's electrical resistance,
- Electron's vibration / frequency,
- Harmonics,
- Surge, and
- Voltage/Current Spike

This means the input **A** (where TNB charges the kWh usage) requires supply of 12 kWh energy to transmit from point **A** to **B** with 2 kWh of transmission loss, and only 10 kWh out of 12 kWh is being used to operate the instrument; the 2 kWh is a waste / loss.

SP-PS Technology

B) After Installed SteamPro Custom-Designed Power Saver:



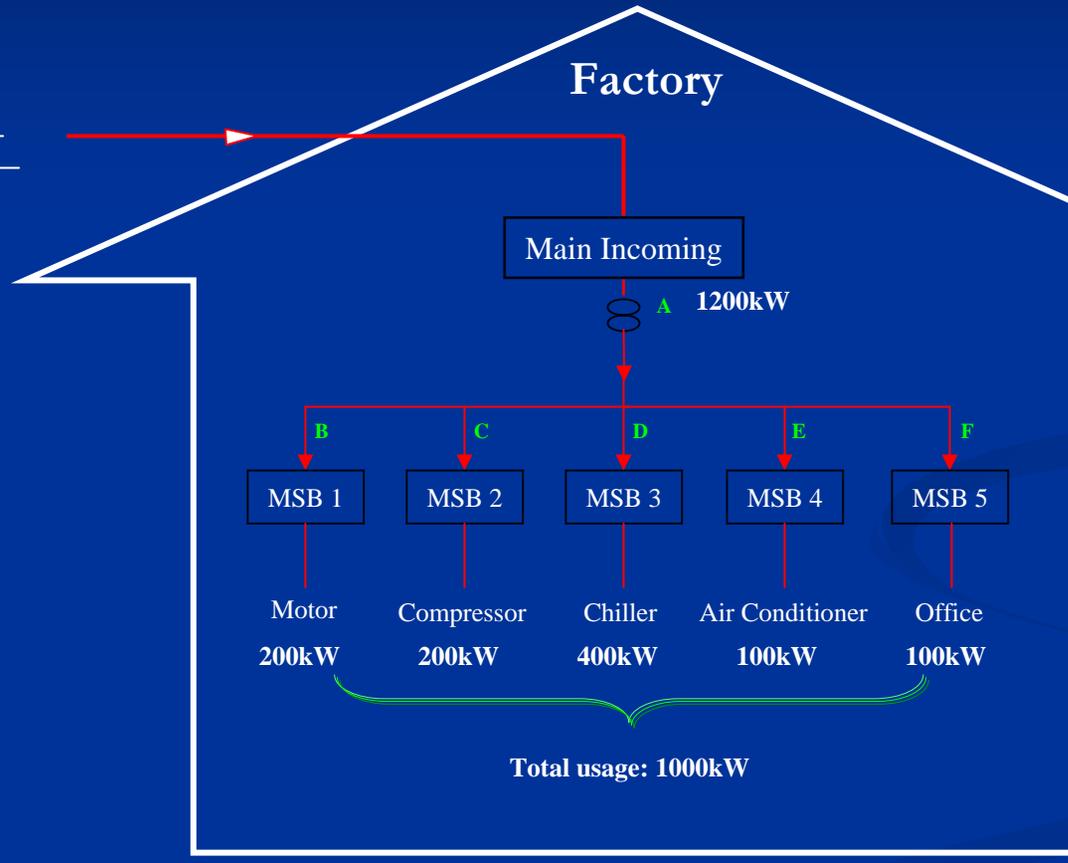
SP-PS will continuously *generate and supply electrons to the transmission to replace the lost electrons therefore improving the flows of current which resulted in reduction of the energy transmission loss.*

SP-PS reduced the input electricity from utility 12kWh (Fig.1) to 10kWh (Fig.2), at the same time maintaining the instrument's designed load. Furthermore, with the supply of electron from **SP-PS** which make up the right ratio which helps maintain at a constant level will result in the instruments consuming the correct designed load and hence prolonging the instrument's lifespan.

SP-PS Technology

Before Installation of SP-PS:

Public Utilities
Supply



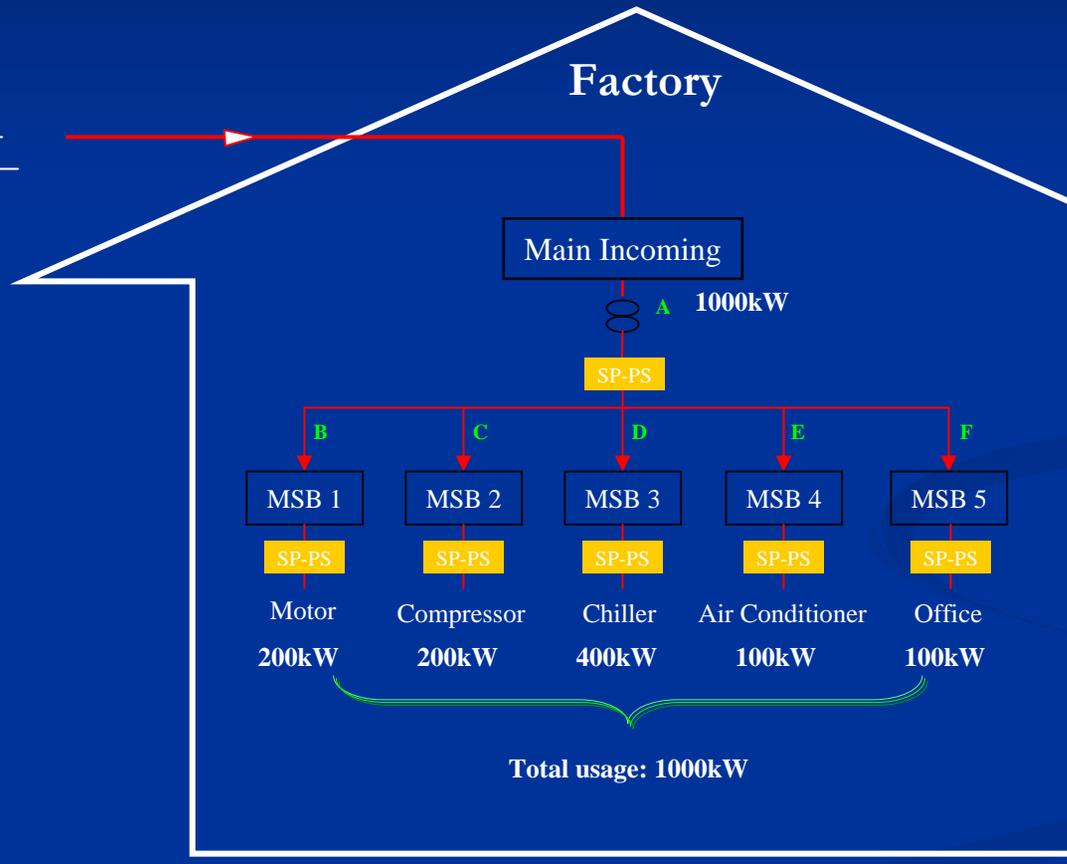
During the energy transmission from point **A** to point **BCDEF**, there is 200kW energy losses due to:

- Cable/wire's electrical resistance,
- Electron's vibration / frequency,
- Harmonics,
- Surge, and
- Voltage/Current Spike

SP-PS Technology

After Installation of SP-PS:

Public Utilities
Supply



SP-PS will continuously generate and supply electrons to the transmission to replace the lost electrons therefore improving the flows of current which resulted in reduction of the energy transmission loss.

A Simple Factory Electricity Distribution Layout

Result of earlier two layouts:

WITHOUT SP-PS:

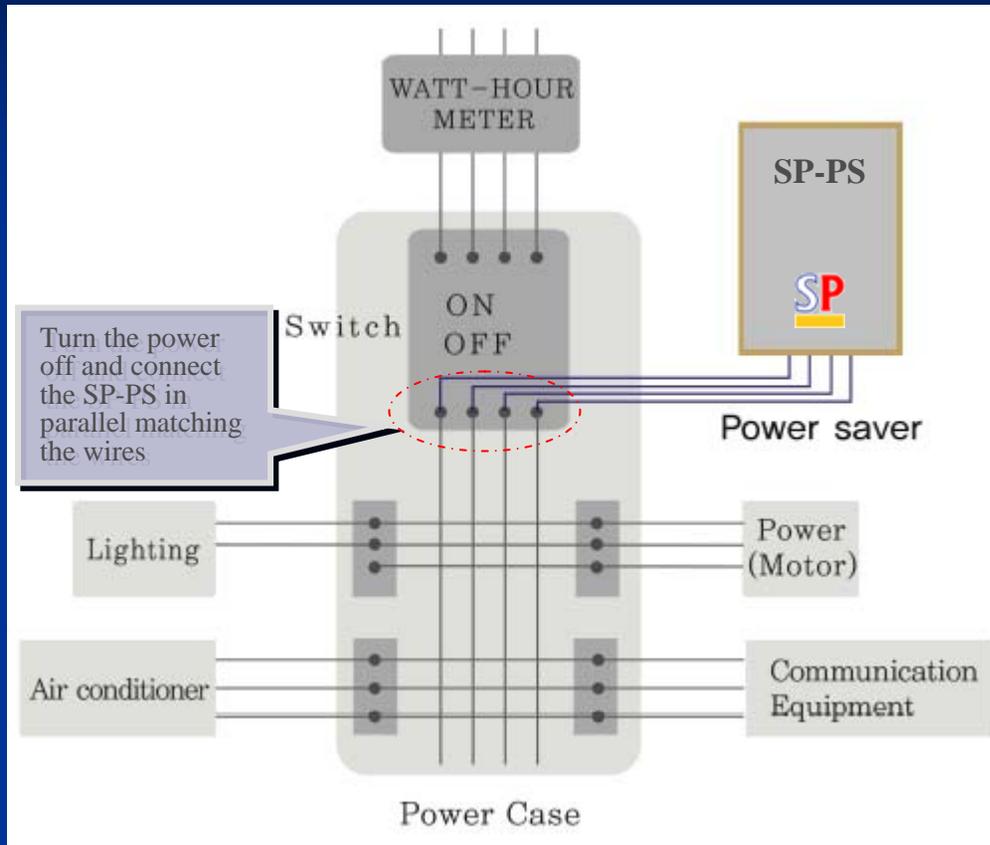
Total Incoming load: 1,200kW

WITH SP-PS:

Total Incoming load: 1,000kW



Installation of SP-PS



SP-PS Installing Method

1. Turn off the power switch

2. Undo the R, S, T, N terminal volts on the back of the power switch and set the O-volt connection line of the SP-PS.

3. Turn on the power switch

SP-PS is installed

Quick and easy parallel installation within **30 minutes**

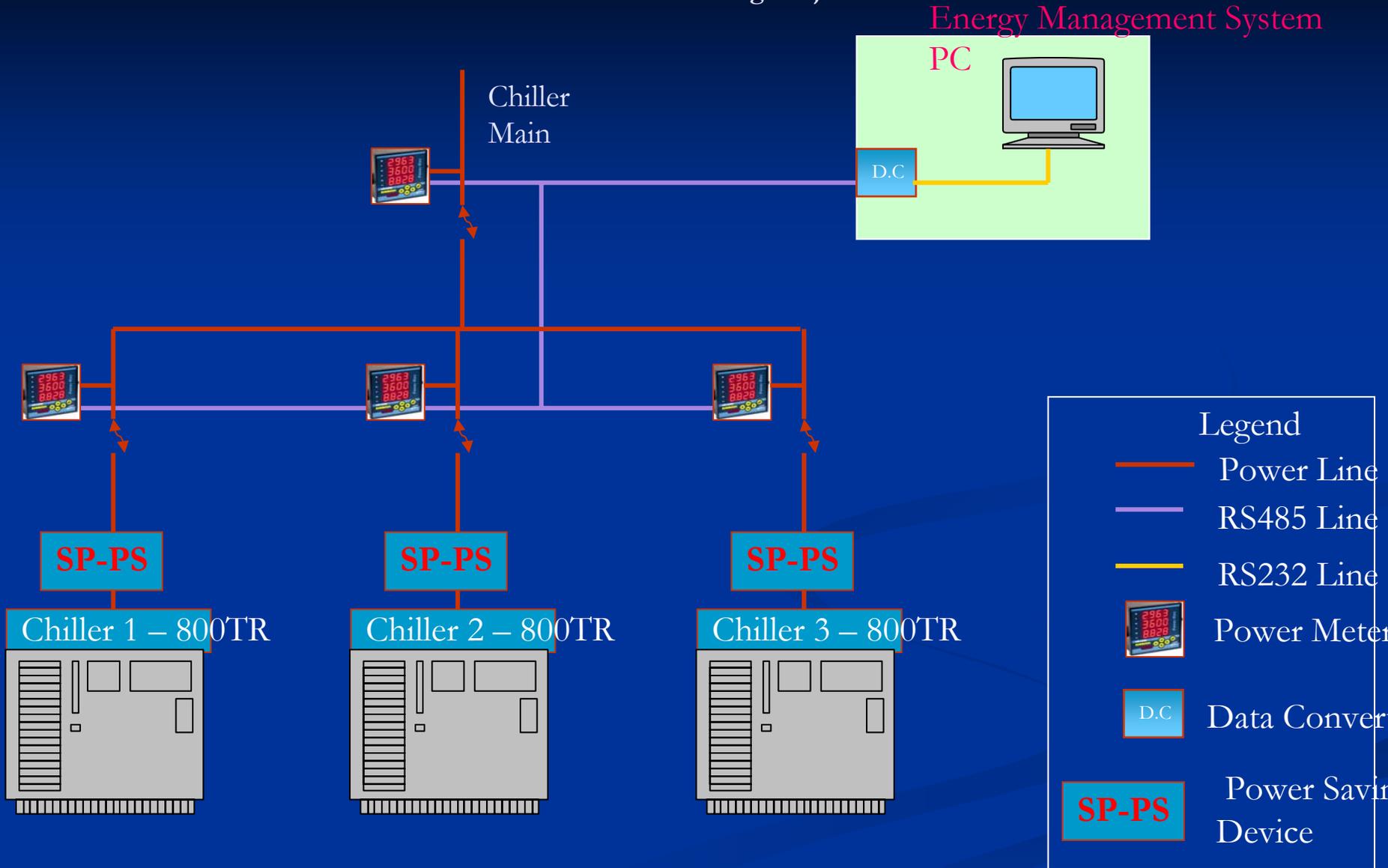
1. Installation Location – Power Capacity Check (ACB Panel)



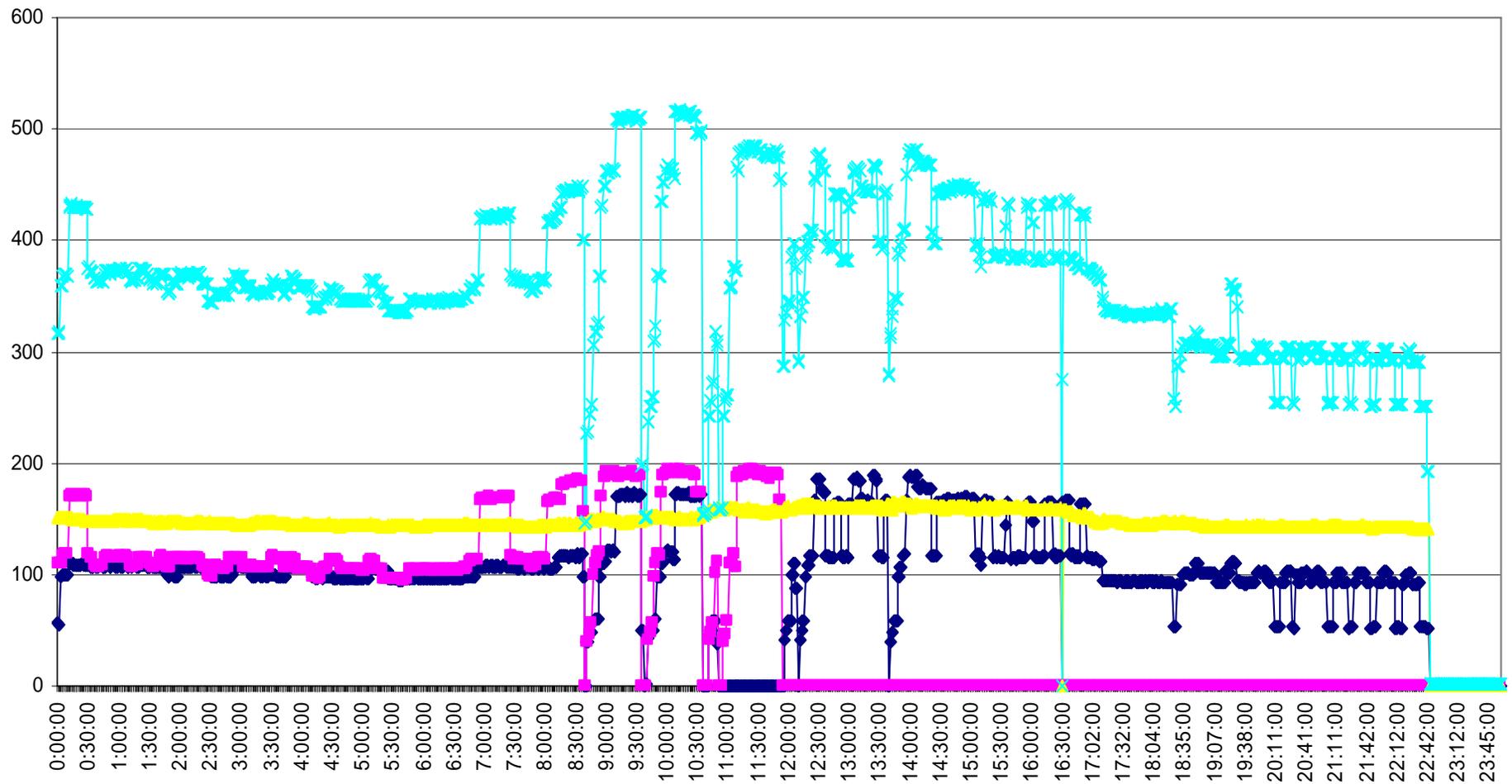
2. Installation Location : Inside MDB



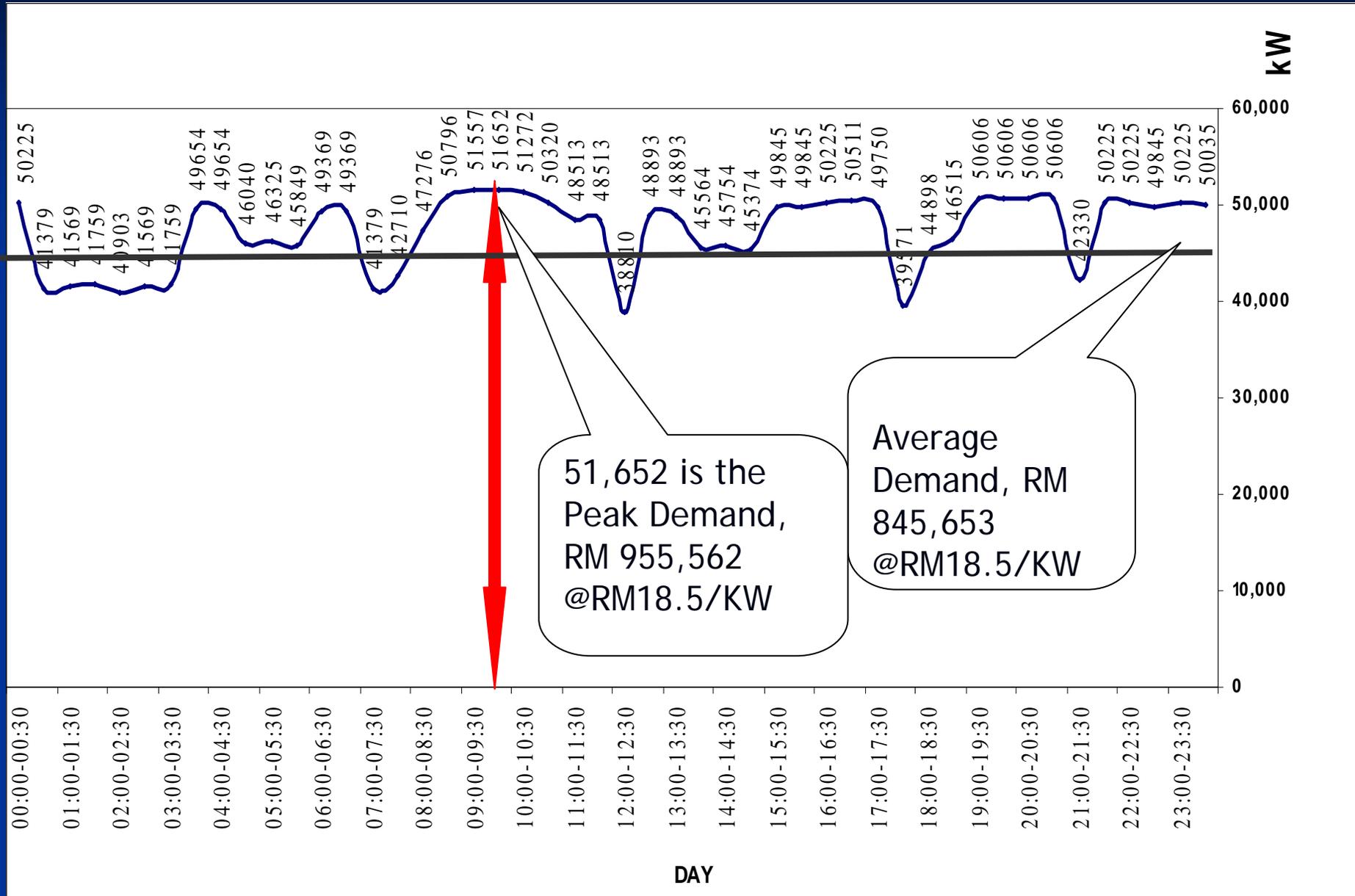
Network Schematic for SteamPro-Power Conditioner Saving Project



Sample Load profile of Chiller Main + 3 Chillers in a day



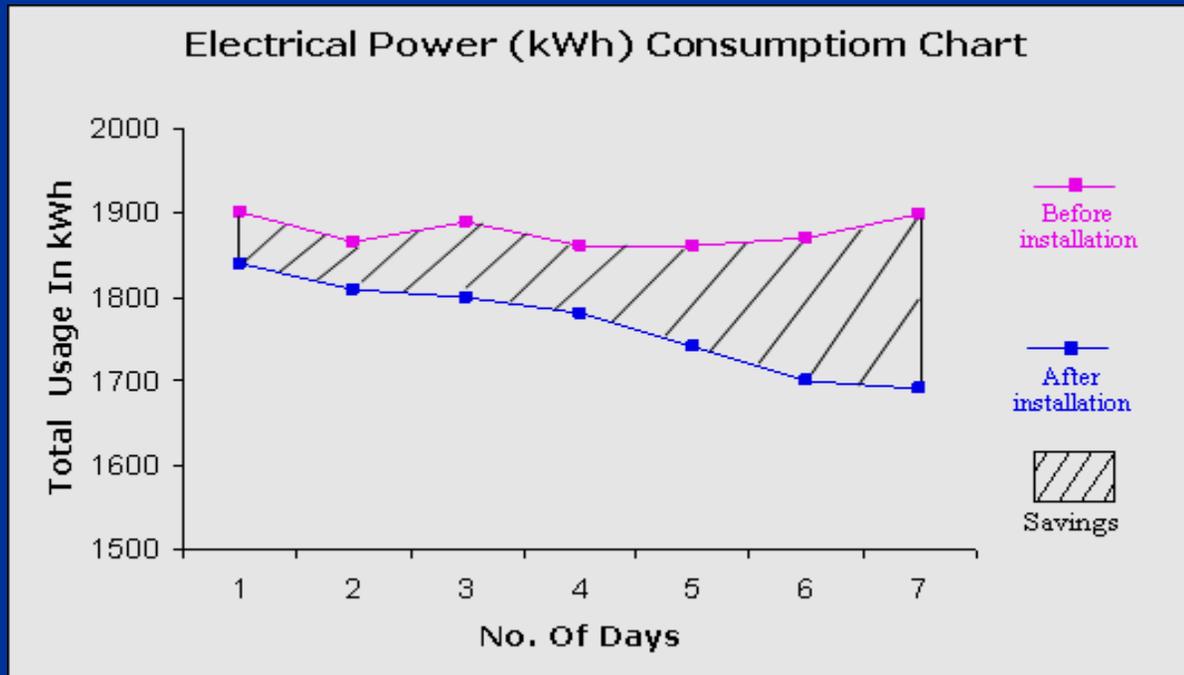
Sample screen - Analysis of Load Profile in a Day



How to identify SP-PS performance

Example - Basic unit analysis

Day	1	2	3	4	5	6	7
Before Installation kWh Usage Per Day	1900	1865	1890	1860	1860	1870	1899
After Installation kWh Usage Per Day	1840	1810	1800	1780	1740	1700	1690



SP-PS Benefits and Advantages

- 1. Method :** The world's first application of continuous supply of Electron which works as Super Conductor.
 - **SP-PS** does not affect voltage, minimizes current load, improves efficiency of power transmission and maximizes economy.
- 2. Power Saving Rate:** 8% - 25% based on past experiences
- 3. R.O.I :** 3 to 10 months
- 4. Installation:** 30 minutes max. per DB
 - SP-PS** does not affect other devices & to install by **SteamPro** team.
- 5. Warranty:** 2 years
- 6. Safety: CE Certification.** **SP-PS** filters Harmonic Waves, and Neutralized the Static Electricity in addition to power savings.

Fact Conclusion:

Steam**Pro** Deliver sustainable energy savings which will give your company a competitive edge vs. similar operators in your industry who do not employ Steam**Pro**'s system.



SteamPro: Non-Stop –Adding Value.....



THANK YOU

www.steampro.com.my

Pro-ENERGY, Pro-GREEN, Pro-PEOPLE