



Power RICH System – From the desk of Dr. Jay Park

September 9, 2007

Features compared to other SCADA systems on the market

Many times prospective customers want to get directly to the point of comparison of other products. We feel that we can only tell the outstanding features of our system and let the customer do the comparison. This way, the customer is asking the question and can include many of their own style questions, but also may compare the *Power RICH System*® -Enterprise Edition to several competitive products; therefore, we will prove some of the outstanding features of the *Power RICH System*® -Enterprise Edition.

- A major feature of the *Power RICH System*® -Enterprise Edition is the built in **Historian**. A Historian has the ability to be much smaller than many trending files; thereby, allowing for longer online analysis. Additionally, a built in Historian provides the user with the ability to analyze data using the IEEE standard SQL queries. Another point is the built in Historian does not require an additional computer or server since it resides on the *Power RICH System*® -Enterprise Edition server.
- There are many ways to say you have redundancy for the servers, but the *Power RICH System*® -Enterprise Edition has **MIRRORED Redundancy**. Mirrored redundancy means that the redundancy is a copy of the primary server to the secondary or third server without any programming or user input to make it work. Another mirrored product is RAID 1 disk drives where the primary is duplicated on the second drive, without user input, and if one fails, the other unit keeps the system running.
- Since the *Power RICH System*® -Enterprise Edition has the mirrored redundancy feature, we added other client features like the PRS-ViewX client transparently finds the **most efficient server** to get the displayed data from and the PRS-ViewX clients can communicate with **up to 64 different servers at the same time**.
- **Backup** of all the data and project is as easy as copying one directly to another disk or system archive, since the project and data are in subdirectories of the master directory.
- The *Power RICH System*® -Enterprise Edition team provides a Project backup service at no cost to customer. Just email the project directory files to us for storage on our server. This provides for **off-site project backup**.



Power RICH System – From the desk of Dr. Jay Park

- The *Power RICH System*® -Enterprise Edition have two types of tags that interface with the user/operator: The **Tagout** and the **Informational Tag**. The Tagout can hold up to 24 Tagout names, reason, and passwords and stops all device control. The Informational Tag has up to 24 provides informational details about the device like last maintenance and what was done or why we (the company) are watching this device.
- The **Vector Graphics** of the *Power RICH System*® -Enterprise Edition provides for efficient use of disk space and display rendering. A vector graphic file is approximately 4 times small that a Bitmapped file. Vector Graphics can pan and zoom without any distortion of the text or image. The PRS can zoom to layer in an AutoCAD file from 1 to 3200 times. Popup can be set to zoom up to a defined size to prevent off screen zooming.
- The *Power RICH System*® -Enterprise Edition does DNP 3.0 natively and performs **automatic time-stamping, data quality, and backfilling** on restoration of lost data communications. There is no programming or function to write. This can reduce cost of doorplate communication lines to the field.
- The *Power RICH System*® Technical Support team is well known for its 24/7, immediate cell phone support and project engineering providing the necessary technical support, instead of going through a Help Desk for support.
- The PRS Maintenance Agreement is unique with two outstanding cost effective features:
 1. With up to 40 hours of customization for the customer-The hours are defined in the agreement
 2. When on-site support is required, the customer does not pay the engineer's hourly rate, but only the travel and living expenses.

Please feel free to contact me any time.

Respectfully,

A handwritten signature in black ink, appearing to read 'R. Jay Park', is written over a light gray circular watermark of a globe.

Dr. Jay Park