

Higher Bandwidth At Lower Cost

BROADBAND PLC ENABLES UTILITIES TO REDUCE COMMUNICATIONS COSTS AND IMPROVE RELIABILITY

***Paying too much for SCADA communications?
Get rid of leased lines!***

Looking for a way to reduce O&M costs and improve reliability? Many utilities have been paying for costly and outdated leased lines, e.g. 56kps and T1s, to provide communications to their substations in order to gather vital SCADA information. When these links were put in they were the best alternatives available at the time. However, times have changed. As more and more digital devices populate substations requiring greater bandwidth and higher reliability and as these old communications services age and become more and more expensive, it is becoming clear that there are cheaper and better choices today.

Broadband Power Line Carrier (B-PLC) Technology to the Rescue

The fix to this growing problem is called Broadband PLC. This innovative and simple solution from Amperion utilizes the utility's existing power lines to deliver broadband communications to substations. This solution is not only cheaper but also provides a private and secure network under the utility's control. This technology is ideal for short to medium distances of up to 30 miles between substations and at voltages of 138 KV and below. The installation of B-PLC on existing power transmission lines is fast and simple with a relatively short payback depending on the type and number of existing leased lines. It is even a fraction of the cost of other technologies such as fiber or microwave. B-PLC is especially beneficial because:

- **Recurring lease line charges are eliminated**
- **Offers the most secure form of communications**
- **Accommodates higher bandwidth at the lowest bits per dollar cost**
- **The utility gains independence from the phone company**
- **In dual radial configurations it provides redundancy, eliminating a single point of failure**
- **Greatly reduces O&M costs**

For more information on how you can start saving money and improving the reliability of your SCADA circuits, please contact Amperion at sales@amperion.com or call (978) 569-2021.

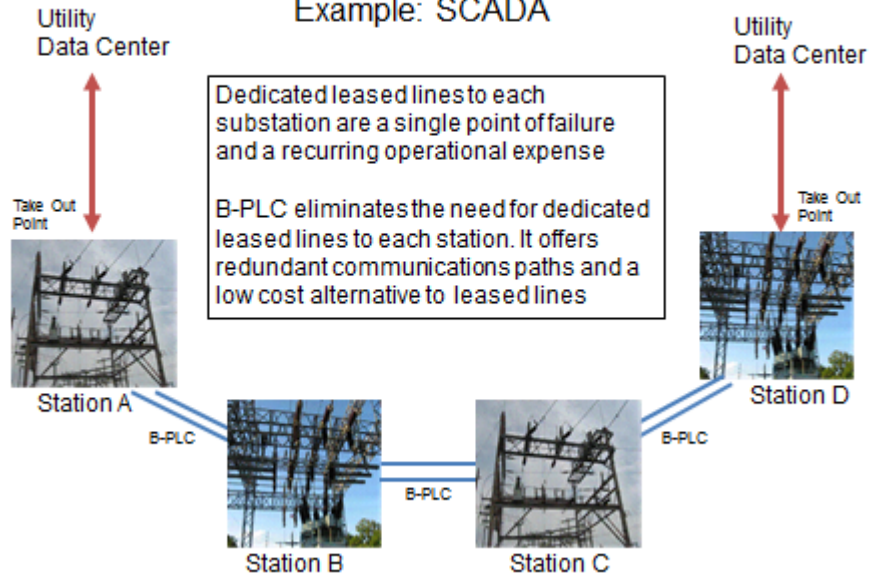


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Station to Station Communications

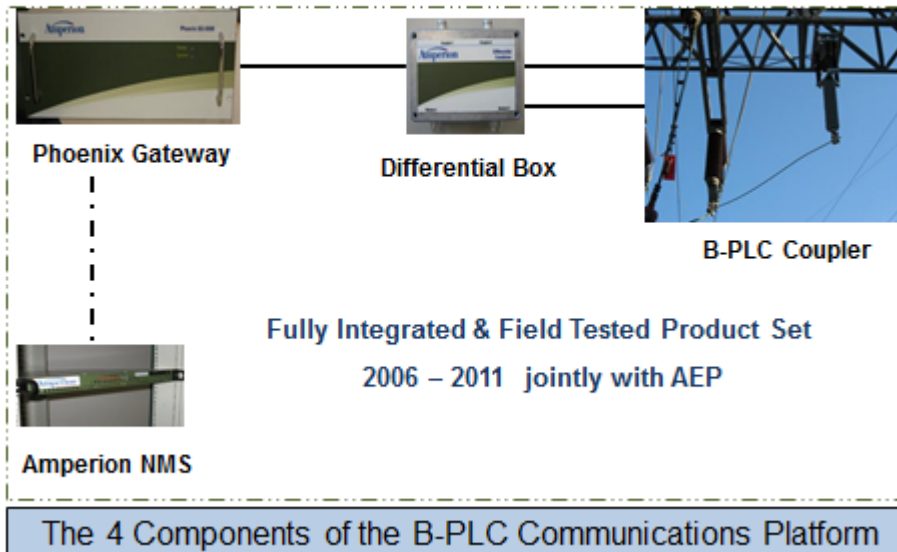
Example: SCADA



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Amperion B-PLC Solution



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