

# enLOGIC

## DNA: Dual Network Access

**Enlogic's patent pending DNA allows for remote access of real-time, vital statistics and operating information on two separate, secure networks.**

### DNA in Colocation Environments

Enlogic DNA is a valuable resource in a colocation data center environment when used with a redundant power delivery design including two rack PDUs for each IT rack.

Using DNA, a service provider (landlord) and a tenant can maintain separate, secure access to a PDU using local area networks, so there is no access or security concerns.

DNA mode creates a dual entry point for vital PDU information. Each of the two rack PDUs are connected using a separate data communications bus to allow each of the PDUs to share data directly.

DNA eliminates the need for costly upstream monitoring devices, and provides both networks identical billing-grade power and environmental data for SLA confirmations and reduced data discrepancies.

### DNA in Facilities Management

In environments using two (2) separate management systems, Enlogic DNA is an effective solution that allows for two separate LAN connections, for example Facilities Management (FM) and IT Operations.

In some cases, FM cannot access vital PDU statistics, such as load balance and CB status at the rack level, because they do not have access to the IT network. FM must gather data from separate, upstream sources, which is costly. This can also lead to varied data if the accuracy percentage of the upstream source differs from that of the PDU.

With Enlogic DNA, FM and IT can maintain separate, private networks while simultaneously accessing PDU information with billing-grade accuracy and precision.

By providing Facility Managers access to power consumption information, data centers can reduce the risk of accidental overloads and loss of power during routine maintenance.

DNA saved our colocation customer \$1,500 per rack by bypassing costly upstream monitoring device costs, yielding an annual savings of over \$900,000.

*User case based on upstream monitoring for a deployment of 1,200 PDUs annually.*

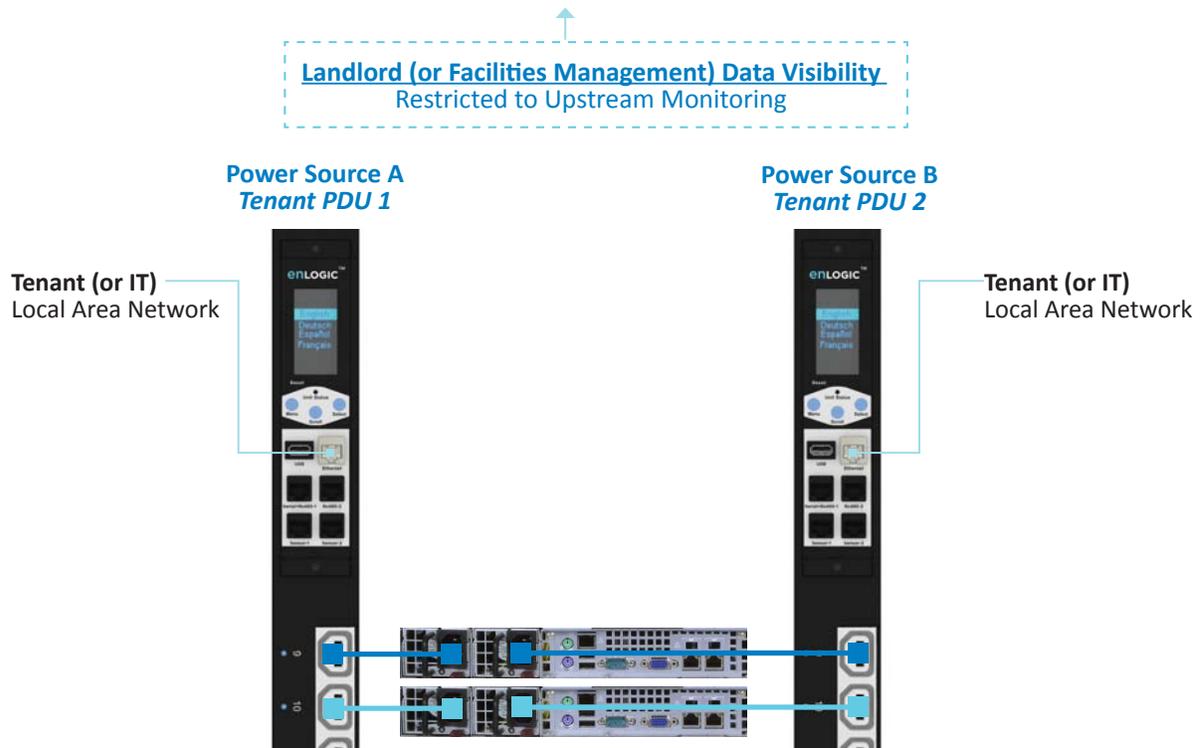


**The Critical Component**

## The Problem: Single Network Access

### *Lack of Network Access to Vital Data for Landlord or Facilities Management*

In the typical installation, the PDUs are connected directly to the Tenant or IT Ops private network. The Landlord or FM may not have access to this network, and must rely on power data from additional, upstream monitoring devices. This is costly, and can lead to critical errors due to insufficient data from upstream reporting.



## The enLOGIC Solution: Dual Network Access

### *Two Separate Networks to Share Vital Data Directly at PDU Level*

- Using Enlogic DNA, the landlord and tenant maintain two separate private networks that do not overlap.
- Enlogic DNA works in a redundant rack power delivery design (i.e., two rack PDUs for each IT rack).
- Each PDU is separately connected to the Tenant or Landlord's private communications network.
- The two PDUs are connected with a data communications bus to allow PDUs to share user-defined information.
- Each PDU acts like a master PDU to report PDU data to both networks.

