

Highly Reliable Anti-Islanding Protection

Are you losing generation revenue due to low reliability?

Is your phone based DTT system causing nuisance trips?

Distributed Generation (DG) sites are losing \$150,000 to \$250,000 a year due to poor reliability of phone based transfer trip communications systems. Nuisance trips caused by poorly maintained phone lines and terminal equipment problems are the main reasons for generation loss.

The phone based communications system that is responsible for the direct transfer trip protection is very complex and requires special skills to install and maintain. When a problem occurs, the phone company is notified and a phone technician is being dispatched. Onsite work needs to be coordinated between the electric utility, the phone company and the DG customer. Often times the generation facility is down for 4 to 8 hours (sometimes longer) before the problem is identified and fixed and generation resumes. **Your revenue from net generation is down while maintenance costs and operational expenses keep going up!**

To make things worse, the telecom carriers have publicly announced that they are getting out of the wireline business and will stop supporting sub T1 leased lines. They have no desire to service your phone systems as they continue to age and fail. So what can you do? Should you continue to operate this way? NO! Not anymore!

GridEdge Networks Transfer Trip Solution is coming to the Rescue!

To fix this problem GridEdge Networks of Littleton MA has developed a **low cost and extremely reliable** solution jointly with Northeast Utilities - the largest electric utility in New England.

This innovative system does not use an external communications network. Instead it uses the utility's own wires to deliver a protective guard signal between the distribution substation and the point of interconnection of the DG facility. The utility installs and operates the transfer trip system and is solely responsible for its performance. No special skills are required and there is no maintenance cost.

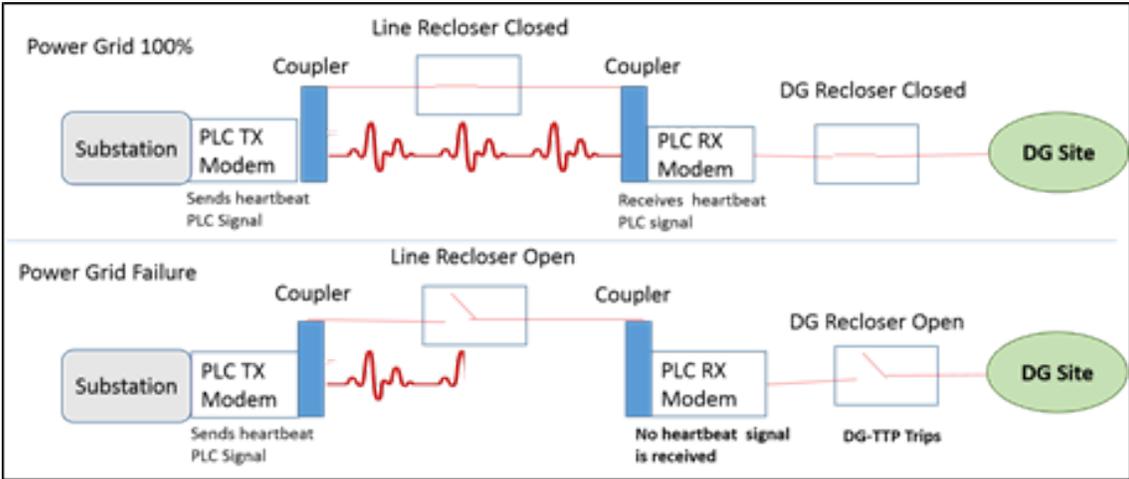
The system is commercially available and is already protecting five DG sites in MA with no nuisance trips. It is fast and easy to install and has the lowest life cycle cost compared to all traditional DTT systems.

You can ditch high monthly recurring costs of a phone based system and avoid paying an exuberant price for a dedicated fiber system. Stop the bleeding of a non-reliable communications based DTT system.

The GridEdge Advantage		
Conventional Methods	GridEdge DG-TTP	Customer Benefit
Use communication networks	Uses same utility wires	Secure and dependable protection
Complex multiple step DTT process	Simple and reliable 1- step process	High reliability and low maintenance
Requires device at every recloser	Requires devices only at end-points	Reduced cost and labor
Multiple points of failure	Much less equipment required	High reliability and low maintenance
Long deployment time	Short deployment time	Start generating revenue sooner!
Long installation cycle	Fast and simple installation	Low costs and accelerated schedule
Requires telecom skills and training	No special skills or training required	Lower labor costs
Security concerns with telecom	Very secure and tamper proof	Secure and dependable protection
Not scalable and not adaptable	Scalable to multiple DG sites	Fail-safe protection system
Ongoing operational costs	Lowest total life cycle costs	No upward pressure on utility rates
Very costly (\$300K-\$500K for fiber)	Costs less than 20% of fiber	Lower cost for better protection!

Highly Reliable Anti-Islanding Protection

The DG-TTP Anti-Islanding Transfer Trip Protection Concept



DG-TTP System Deployment



The wait is over: DG-TTP is available to solve your problem! Stop losing generation revenue and start saving with a GridEdge DG-TTP system!

Contact us today for a free consultation and a quote.