

THE PRODUCT

OutRight Power offers three distinct products to its customer base:

- ✔ **OutRight Simulator (OutRight-Sim):**
An off-line simulator, for grid operator training, planning and design engineers
- ✔ **OutRight Real-Time Advisor to the Operator (OutRight-Advisor):**
An on-line Centralized manual, for advisory mode providing operators entire sequences of operation to follow
- ✔ **OutRight Real-Time FLISR Automation (OutRight-Automate):** An on-line Centralized automated FLISR process and an integrated part of the SCADA/DMS system on-line

THE SERVICES

Services to utilize and integrate its products, to improve the user's experience, optimize operations and availability:

- ✔ **Knowledge Transfer and Training:**
for operators and engineering
- ✔ Integration with SCADA, DMS, AMI and AI platforms
- ✔ Advisory services for detailed design and optimization



OUTRIGHT
POWER

“WHERE GENIUS HELPS POWER”



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WHO WE ARE

OutRight Power is an all-in-one software platform which addresses Fault Location, Isolation and Service Restoration (FLISR), one of the most challenging problems in the Electric Utilities industry.







The product suite offers efficient solutions for FLISR, something no other industry player has managed to do. OutRight is revolutionizing the power distribution market.

THE PROBLEM

Unscheduled power outages impact Local Distribution Utilities and can result reimbursement to customers or large penalties. As power faults occur, operators need to locate the fault, isolate it from the rest of the grid and find alternate electrical path for restoring the electrical power. This may take from minutes to several hours.

Current technologies and products are trying to mitigate that mathematical complexity. None of them, however, can offer a complete answer.

The products and solutions offered today suffer from one or more of the following limitations:

-  Automatic mode is lost in case of device (or communication) failure. Operator has to take over the process without having been truly involved in it
-  Do not solve communication or device failure (e.g. Load Break Switch) when trying to isolate the fault
-  They leave grid operators "in the dark". Operators are not involved in FLISR process
-  Cannot check information from feeder protection relays versus fault current indicators for providing reliable fault location
-  Too expensive for many electrical utility companies to purchase
-  Proprietary, packed, or incomplete solutions difficult or impossible to implement in third party platforms

THE SOLUTION

OutRight Power has developed a new patented method, based on transferring Open Ring procedures to Meshed Grids. This method can solve the problem of grid reconfiguration in a very short time, while addressing all the disadvantages of existing products and solutions.

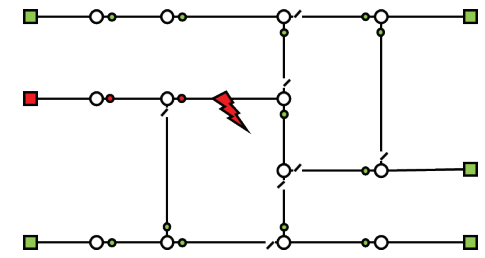
-  Solves for extended fault contingency
-  Solves for communication or device problems
-  Involves operators right from launch. OutRight Power mimics an experienced Power Grid Operator, being simple and intuitive for them
-  FCIs are the weakest link in the Fault Location process, so their data is checked versus feeder protection relays for a truly reliable result
-  Very cost effective making it attractive for electric utility companies of all sizes
-  Easy integration with other technologies/systems/Distributed Energy Resources/Microgrids
-  Graphically illustrates the paths through which the restoration process will take place

COMPETITIVE ADVANTAGE

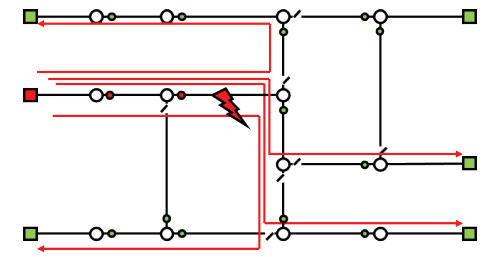
OutRight Power application mimics the approach taken by an experienced grid operator when performing grid reconfiguration. OutRight Power application presents unique capability to graphically illustrate the paths through which the restoration process will take place. Through the entire process the application provides the operator with clear idea on status of the Grid, and the alternatives for proceeding with final restoration.

THE SIMPLE STEP BY STEP

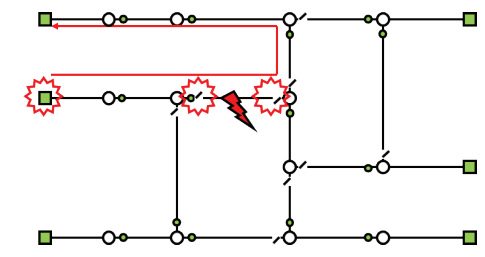
Fault occurs



Paths are found



Isolate fault on selected path and restore upstream the fault



Restore downstream the fault. Process complete

