For enhanced observability and complete fault awareness in your power distribution network, ABB offers advanced fault and outage management systems, enabling the efficient detection and isolation of faults and restoration of power and service. By integrating IT and OT systems, field crews can be scheduled and dispatched to effectively assist in physical outage restoration. With the fault and outage management functionality, outage times can be reduced by up to 81%, leading to an incredible economical advantage.

**Functions:**
- Decentralized Fault Detection, Isolation and Restoration (FDIR)
- Centralized Fault Location, Isolation and Service Restoration (FLISR)
- Real time location of earth and overcurrent faults in distribution networks
- Work force management
- User-friendly central management of security events and user accounts
- Peer-to-peer communication over 61850 GOOSE messaging
- Advanced data analysis and reporting

**Benefits:**
- Increase safety for the utility personnel through reduced travel time and exact fault location
- Improved quality of service for end user
- Improved operational efficiency through better tools for operators and field crew
- Use existing infrastructure to its full potential
- Easily comply with regulatory reporting requirements and utilize best practice trends through all levels of the organization, period and work types
- Reduce SAIDI (System average Interruption Duration Index)
- Reduce SAIFI (System Average Interruption Frequency Index)
- Single solution for fast restoration of the entire grid
ABB Distribution automation systems improve grid reliability and efficiency; giving you control of the grid, anywhere, any time. We enable you to see inside your grid, with more than 100 years of experience in substation automation, communication and protection. ABB delivers a comprehensive range of automation products, solutions and systems for basic to advanced power distribution networks, renewable power integration and battery storage systems.