

Retrofit for High Voltage Installations

How to upgrade your substation

Is your spare part supply at risk?
Are your investment budgets limited?
Do you wish to minimize outage rates?
Are your current maintenance activities too costly?
Do ecological issues take a high priority or do you want to adapt your systems to new standards?

ABB's answer to these questions is **Retrofit**, upgrading your existing systems with state-of-the-art components. The goal is to optimize the technological, safety-relevant, economical, and ecological aspects.



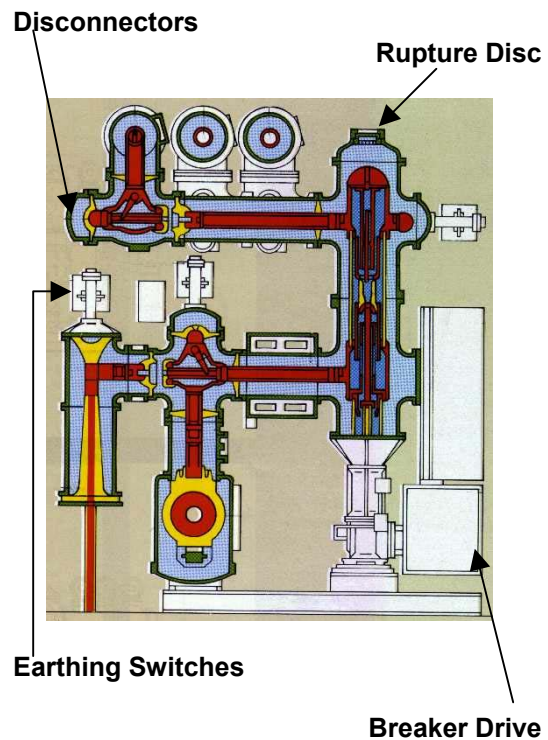
Retrofit is the subsequent upgrading of our products using modern components designed to optimize the technical- and cost-efficiency

Retrofit is recommended when:

- Long-term availability of replacement parts is in doubt
- Current maintenance activities are too cost intensive
- Limited funds are available for capital investment
- Environmental aspects (oil losses, noise) play a role
- Failure rates must be minimized
- The substation is to be adapted to meet the latest standards

We offer complete solutions for high voltage substations according to different conditions and requirements:

- **Complete circuit breaker retrofit**
- **Breaker mechanisms retrofit**
- **Disconnecter and earthing switch retrofit**
- **Connecting elements and busbars retrofit**
- **Standard Elements retrofit**



Your Benefit

- Reduced operating costs
- Reduced maintenance
- Longer service life
- Increased substation availability
- Increased safety

Advantages over investment in new substations

- Significantly lower capital investment
- No approval procedures required
- No expenditure on infrastructure (access roads, building, cable ducts, etc.)
- Short implementation times
- Service interruptions kept to a minimum

Retrofit improves the availability and reliability of your installations in the most cost-effective way



ABB Interface to existing back parts

Worldwide at your service

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