For legacy HV distribution systems, there are real issues emerging regarding the ageing and integrity of the equipment in use. Indeed, it is common practise to use HV switchgear well beyond its original nominal 25 year design life.

Major changes to the LV distribution may have been implemented and the impact on the HV protection of their more modern MCCB and electronic protection systems may not have been considered. The protection and discrimination for your HV network may have been compromised.

Often such systems are not fully documented, protection and and essential maintenance may not be carried out at the recommended frequencies.

Working on HV systems is a specialist engineering task and many companies are often resource limited for managing the requirements of safety, security of supply and emergency response.

What we offer
ABB has considerable experience of managing all aspects of HV electrical power systems. To help customers understand the integrity of and the issues associated with managing their HV network, we provide a fixed price one day HV systems health check.

This focused assessment is designed to provide responsible managers / engineers with an affordable and rapid independent appraisal of the operational status of the HV network.
The health check comprises a high level review of the following key areas:

- Availability of the current network documentation
- Review of existing maintenance and testing practices
- Review of procedures, resources and competency requirements for persons working on such systems
- An appraisal of the condition and ageing of the equipment in service
- A review of protection and discrimination for the network

From the above a summary report is generated which provides expert informed comment on the general condition of the system 'as found', and specifically highlights the most significant vulnerabilities. The report uses these findings to suggest possible improvement actions.

The HV systems health check provides a review of the vulnerabilities within the HV system which could impair business performance through loss of production, legislative noncompliance and / or damage to people and equipment. The check covers up to 33kV, interfacing with 132kV.

**Benefits**

The health check provides:

- A rapid and cost effective review of any vulnerabilities
- Provides confidence in the health of HV systems
- Offers effective access to specialist HV skills and experience

**Why ABB?**

- ABB has a rare range of practical design and operations experience on HV industrial systems
- We have considerable experience of trouble shooting ageing HV systems
- ABB is a market leader in providing HV systems and equipment