



# Thyristor Healthcheck

Improve drive availability and reduce unanticipated downtime

## HELP MINIMIZE RISK OF FAILURES AND IMPROVE EQUIPMENT UPTIME

Failure of components and unplanned outages are inevitable when it comes to electrical drives. Ensuring equipment availability is a key priority; any unplanned outage is an expensive headache with costs being reported between \$200,000 and \$1,500,000 per day. Equipment inspections and health checks reduce the risk of an outage and enhance reliability. Maintenance also costs, so you don't want to do more than is needed.

## THYRISTOR FIRING CHAIN HEALTHCHECKS

Thyristors are the key components of drives and play a crucial role in keeping the propulsion system running at the required power. Though thyristor based drives continue to work for long periods of time with little maintenance, many a times, it is difficult to identify, predict or prevent thyristor failures as it requires specialized tools and skills. As a full scale OEM with fleet knowledge and deep engineering expertise, GE has developed an advanced tool box to help you identify and troubleshoot issues related to the thyristor firing chain much before a major breakdown happens.



## HEALTHCHECK FEATURES

Our field service experts will carry out the health check onboard the vessel quickly and effectively in a short span of time as per your convenience. We will also work with you to understand historic maintenance, environmental conditions, budget constraints, operational constraints and business imperatives.

### During the health check, we will:

**Identify safety critical issues**– safety critical problems will be brought to your attention and a resolution proposed

**Identify operational critical issues**– deterioration in performance or critical items affecting reliability will be brought to customer's attention at the end of the health check.

### After the health check, we will issue a report on the status of the thyristor firing chain and recommend:

**A maintenance regime**– Based on our experience with thousands of similar drives, we will suggest an OEM designed maintenance plan to help avoid that unwelcome, unplanned outage.

**Critical spare parts** – provide a list of the spare parts you should consider holding.

**Upgrade packages** – we will propose upgrades appropriate to your equipment and circumstances

## CONTACT US

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