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## Quench Protection System

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Quench Protection System (QPS)

After a short introduction to the LHC Quench Protection System (QPS), an overview about the expected availability and reliability of the system will be given. The consequences of equipment failures and the required intervention times for repair will be discussed. The capabilities of the QPS data acquisition system with respect to cold mass diagnostics and fault identification will be presented. Finally a more detailed view on the dedicated protection systems for the LHC insertion region magnets will be given.

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