

# Overview

- Generator power control through expander inlet guide vane opening
- Limiting of regenerator pressure through expander bypass valve opening
- Load-sharing and load-balancing for parallel trains
- Fallback control response to minimize effects of breaker trips
- Forced motoring control to prevent frequent switching between motoring and generation when operating at nearly equal recovered and required power

- Fallback control in case of multiple input signal failures
- Sequencing for the overall power recovery train

**What Problems Does It Solve?**

- Multivariable Control: power recovery train applications allow stable control of regenerator flow and pressure, while simultaneously maximizing recovered power at the generator
- Simplified Operability: coordinated automatic sequencing of the machine allows operator to more easily startup and stop the train and switch between multiple operation modes
- Parallel Control: load-sharing and load-balancing allow operators to more simply manage turndown capacity and more efficiently balance parallel trains



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