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A Holistic Multi-Failure Mode Prognosis Approach for Complex Equipment

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Highlights

- The approach takes into account the complexity of failure mechanisms as a system.
- The diagnostic algorithm enables to detect active failure mechanisms and track their progression.
- The prognostic algorithm enables to predict the occurrence of failure modes dynamically as new information becomes available.
- The simplicity of the algorithms and graphical representation of the results helps to build decision-makers' trust.
- A case study on hydroelectric generator stator is proposed.

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