

Tube Watch™

Now, predict tube failure
in advance



In order to maximize patient throughput, our offering, Tube Watch, can uniquely deliver predictive analytics using Digital Twin technology -converting potential unplanned downtime into planned service events, resulting in minimized operational disruptions and enhanced patient and staff satisfaction, while mitigating financial risk.

Tube Watch injects new data daily into the digital twin model so that GE has an exact view and prediction

of the remaining life around the tube's failure modes of filament, rotor, high voltage, and housing. This prediction is based not on passing a pre-defined limit but from the dynamic, unique digital model accounting for trends, slope of change, rate of that change, and site usage profile. If the digital model predicts a failure, GE will then intervene with proactive part delivery and service scheduling to help reduce unplanned downtime.



Monitor:

Offers and analyzes tube health trends over time and indicates change in performance.



Predict:

Estimates failure date with high accuracy and helps you decide whether or not to proactively replace the X-ray tube.



Repair:

A GE engineer connects remotely into the system to run an in-depth assessment and schedules on-site maintenance at a time that is most convenient for the facility.



Restore:

Once the tube is replaced, the system is backed up and runs with minimum disruption and workflow impact

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