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Longterm sustainment of electron beam linac systems for e-beam sterilization application

Thursday 14 August 2025 16:00 (2 hours)

Fisica ATI has delivered turnkey e-beam linac sterilization systems for over three decades. The first installation was in 1992 under the Titan Beta. In 2000, SureBeam was established. Following its acquisition by L3 in 2005, the e-beam product line was consolidated under ATI. ATI continues to deliver high-reliability, fully integrated e-beam solutions for industrial and commercial applications as a division of Fisica. Our systems are engineered for continuous-duty (24/7), with >30 systems installed worldwide collectively logging >1million hours, with some systems in service for >20 years —demonstrating exceptional uptime and long-term durability. ATI provides comprehensive post-sales support, spare parts supply, and system upgrades. In 2024, we introduced a major enhancement: upgrading legacy 10 MeV 15/18 kW systems to 25 kW output—without altering the existing system footprint or significant changes to the major subsystems. This allows current customers to significantly boost throughput without the need for major facility modifications. The upgrade leverages the proven reliability of the existing e-beam sterilization subsystems.

Please consider my poster for contributed oral presentation

No

Would you like to submit this poster in student poster session on Sunday (August 10th)

No

Footnotes

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Funding Agency

I have read and accept the Privacy Policy Statement

Yes

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