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Maintenance of the Accelerator Control System at the Marburg Ion-Beam Therapy Center (MIT)

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The Marburg Ion-Beam Therapy Center is Germany's second facility providing a highly precise cancer treatment with hydrogen and carbon ions using the raster scanning method. The accelerator control system is part of a medical product resulting in strict constraints which must be considered in each maintenance step of the accelerator control system. Furthermore, the medical application necessitates an almost continuous availability throughout the year with a high reliability. Hence, upgrades and updates of the accelerator control system must end up in a proper state fulfilling the required clinical quality standards.

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