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## The Control System of the Linac-200 Electron Accelerator at JINR

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The linear accelerator Linac-200 at JINR is constructed to provide electron test beams with energy up to 200 MeV to carry out particle detector R&D, to perform studies of advanced methods of beam diagnostics, and to work as an irradiation facility for applied research. While the accelerator largely reuses refurbished parts of the MEA accelerator from NIKHEF, the accelerator control system is completely redesigned. A new distributed control system has been developed using the Tango toolkit. The key subsystems of the accelerator (including focusing and steering magnets control, vacuum control system, synchronization system, electron gun control system, precise temperature regulation system) were redesigned or deeply modernized. This report presents the design and the current status of the control system of the Linac-200 machine.

### Summary

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