

THE UPGRADED ELETTRA ACCESS CONTROL SYSTEM.

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The access control system of the Elettra accelerators allows to enter the shielded areas of the machines when the safety conditions are fulfilled. The system is based on Programmable Logic Controllers (PLCs) providing redundant logic in a fail-safe configuration. At present the supervisor consoles of the system are based on UNIX-PCs running SCO operating system and X-11 applications. These are being replaced by Windows NT PCs, equipped with SCADA package, which is being used for the development of the new application programs. The first operating experience with the upgraded system will be reported.