

SESAME MICROTRON CONTROL SYSTEM UPGRADE

A. Al-Adwan, SESAME, Allan

Abstract

The first part of SESAME Injector is based on Bessy I Microtron, the device comes with its 80's original control system based on old components both at the software and hardware level. Integrating the Microtron operation to the whole facility was a major requirements in order to assure smooth and full control over all injection parameters and finally, successful operation of SESAME facility. The Control system of the Microtron was upgraded using modern technologies like PLCs as a hardware platform, from the software side, a state-of-the-art control system toolkit like EPICS is an obvious choice. This paper, outlines the original status, the upgrade roadmap and the final results.

**CONTRIBUTION NOT
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