

# Fast Orbit Feedback implementation at Alba Synchrotron



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Alba is a 3GeV synchrotron light source with 268m perimeter divided in 16 sectors. The FOFB target is to stabilize the electrons in a 10% beamsize window. To achieve the objective 104 Libera electron xBPM read the position of the beam at 10kHz and 176 correction magnets to do the corrections. The xBPMs are connected in a nested ring network and in each sector there is a CPU with FPGA boards to read from xBPM and write to PSU.

## Looking for the simplest solution of a complex problem

