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Towards Elettra 2.0 –R&I preparation activities

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The “Dark Period”(DP), that is the final shutdown for the Elettra Storage Ring (SR) with its ancillary equipment and most of its beamlines, is scheduled to start on July 2nd, 2025. During the DP we will remove the complete SR lattice structure with annexed cabling, piping, and supports; the Service Area, where most of the equipment to operate the SR is installed, will be completely renovated; the majority of the photon beamlines will be removed, moved, updated or “brand-new” installed, causing the reconfiguration of a large part of the outer wall of the SR tunnel.

Several activities are running in order to reduce the Removal and Installation (R&I) workload –already quite significant –during the DP. These activities are mostly related to the beamlines in the Experimental Hall and some shielding wall reconfiguration.

The paper summarizes the most relevant activities done in preparation to the DP, with focus also on the logistics aspects related to the installation of a new machine while removing the old one (Elettra) being very closed to another operating one (FERMI).

Footnotes

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Europe

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