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XRD2 to μ XRD: Italian Beamlines Dedicated to Macromolecular Crystallography

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Even though Elettra Sincrotrone has been around for three decades, XRD2 beamline is one of the newest additions with its operation starting in 2018. During this short life time, changes touching multiple aspects either at the beamline or from the facility were required to be more competitive with other facilities and pave the way for Elettra 2.0.

The beamline is still implementing new hardware such as a dual gripper for the automounter as well as new functionalities in the data collection software. Even though most users are choosing to collect remotely, the synergy of user friendly interfaces, access to more and faster live data analyses results and easy tracking of all experiments offer a convenient, customized and productive environment for all our users.

While still committed at improving the user experience, we are now dedicating efforts to the upcoming Elettra 2.0. New plans are seeing light and the MX User community will have the benefit of a brighter and smaller beam at a new location on the Elettra floor. We will describe the vision and the ongoing work which will hopefully start a dialogue with our user community.

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